

**05/2015**

Ilmub üks kord kuus alates 1993. aastast

# **EVS TEATAJA**

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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## **ASUTATUD, PEATATUD JA LÕPETATUD KOMITEED**

### **EVS/PK 56 „Linnatänavad“ asutamine**

Komitee tähis: EVS/PK 56

Komitee pealkiri: Linnatänavad

Komitee registreerimise kuupäev: 29.04.2015

Käsitlusala: Standardile EVS 843:2003 „Linnatänavad“ uustöötuse koostamine.

Projektijuht: Ilmar Link

EVS koordinaator Mihkel Siitam (mihkel@evs.ee)

### **EVS/PK 51 „Lamekatused“ lõpetamine**

Komitee tähis: EVS/PK 51

Komitee pealkiri: Lamekatused

Komitee lõpetamise kuupäev: 04.05.2015

Käsitlusala: Projekti tulemusena koostati ja avaldati standard EVS 920-5:2015 "Katuseehitusreeglid.

Osa 5: Lamekatused".

EVS koordinaator Kairi Tänavsuu (kairi@evs.ee)

EVS/PK 51 registreering on lõpetatud lähtuvalt projekti valmimisest.

### **EVS/PK 54 „Loomulik valgustus hoonetes“ lõpetamine**

Komitee tähis: EVS/PK 54

Komitee pealkiri: Loomulik valgustus hoonetes

Komitee lõpetamise kuupäev: 04.05.2015

Käsitlusala: Projekti tulemusena koostati ja avaldati standard EVS 894:2008/A2:2015 „Loomulik valgustus elu- ja bürooruumides“.

EVS koordinaator Kairi Tänavsuu (kairi@evs.ee)

EVS/PK 54 registreering on lõpetatud lähtuvalt projekti valmimisest.

# UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

Igakuiselt uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Standardikeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### EVS-EN 764-1:2015

#### Pressure equipment - Part 1: Vocabulary

This European Standard specifies terms and definitions to be used for pressure equipment and assemblies within the scope of European Directives on pressure equipment. It may be applied to other pressure equipment.

Keel: en

Alusdokumendid: EN 764-1:2015

Asendab dokumenti: EVS-EN 764-1:2004

Asendab dokumenti: EVS-EN 764-3:2002

### EVS-EN ISO 10318-1:2015

#### Geosünteedid. Osa 1: Terminid ja määratlused

#### Geosynthetics - Part 1: Terms and definitions (ISO 10318-1:2015)

The intent of this International Standard is to define terms related to functions, products, properties and other terms used in EN and ISO geosynthetics standards. Definitions of terms not included in this standard may be found in the standards describing appropriate test methods. NOTE In addition to terms in English and French (two of the three official ISO languages), this International Standard gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions. The intent of this International Standard is to define property and graphical symbols used in EN and ISO geosynthetics standards. Definitions of terms not included in this standard may be found in the standards describing appropriate test methods.

Keel: en

Alusdokumendid: EN ISO 10318-1:2015; ISO 10318-1:2015

Asendab dokumenti: EVS-EN ISO 10318:2007

### EVS-EN ISO 10318-2:2015

#### Geosynthetics - Part 2: Symbols and pictograms (ISO 10318-2:2015)

This Standard defines terms related to functions, products, properties and other terms as well as symbols applying to geosynthetics. Definitions of terms not included in this standard may be found in the appropriate test methods standards. Note: ISO/TC 221 decided to split the content of the standard in two parts.

Keel: en

Alusdokumendid: ISO 10318-2:2015; EN ISO 10318-2:2015

Asendab dokumenti: EVS-EN ISO 10318:2007

### EVS-EN ISO 17658:2015

#### Welding - Imperfections in oxyfuel flame cuts, laser beam cuts and plasma cuts - Terminology (ISO 17658:2002)

This international Standard defines terms of the possible imperfections in oxyfuel gas, laser beam and plasma cuts in metallic materials which are collected and grouped. Imperfections are irregularities or deviations from the specified shape and location of cut. This international Standard only includes imperfections originating directly from oxyfuel gas, laser beam and plasma arc cutting; any adverse effects resulting from additional external stresses or strains are not considered. The type, shape and location of these imperfections are grouped together but conditions and causes of origin are not given. Information concerning the evaluation and consequences of the above mentioned imperfections is not given because this depends on the specific job requirements. The terms have been selected to characterize the principal imperfections mentioned, however, two or more may be found simultaneously. The grouping system used is not an evaluation of quality.

Keel: en

Alusdokumendid: EN ISO 17658:2015; ISO 17658:2002

Asendab dokumenti: EVS-EN 12584:1999

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

### CEN/TS 16702-2:2015

#### Elektroniline maksukogumine. Turvaline seire autonoomsetele tollisüsteemidele. Osa 2: Kindel registraator

#### Electronic fee collection - Secure monitoring for autonomous toll systems - Part 2: Trusted recorder

This Technical Specification defines the requirements for the Secure Application Module (SAM) used in the secure monitoring compliance checking concept. It specifies two different configurations of a SAM: — Trusted Recorder, for use inside an OBE; —

Verification SAM, for use in other EFC system entities. The Technical Specification describes — terms and definitions used to describe the two Secure Application Module configurations; — operation of the two Secure Application Modules in the secure monitoring compliance checking concept; — functional requirements for the two Secure Application Modules configurations, including a classification of different security levels; — the interface, by means of transactions, messages and data elements, between an OBE or Front End and the Trusted Recorder; — requirements on basic security primitives and key management procedures to support Secure Monitoring using a Trusted Recorder. This Technical Specification is consistent with the EFC architecture as defined in ISO 17573 and the derived suite of standards and Technical Specifications, especially CEN/TS 16702-1:2014 and CEN/TS 16439. The following is outside the scope of this Technical Specification: — The life cycle of a Secure Application Module and the way in which this is managed. — The interface commands needed to get a Secure Application Module in an operational state. — The interface definition of the Verification SAM. — Definition of a hardware platform for the implementation of a Secure Application Module

Keel: en

Alusdokumendid: CEN/TS 16702-2:2015

## **CEN/TS 419261:2015**

### **Security requirements for trustworthy systems managing certificates and time-stamps**

1.1 General This Technical Specification establishes security requirements for TWSs that can be used by a TSP in order to issue QCs and Non-Qualified Certificates (NQC)s as well as electronic time-stamps in accordance with Dir.1999/93/EC and with [Reg.910/2014/EU]. Security requirements for the Subject Device Provision Service, which includes SCDev/QSCD provision to subjects, are defined in this TS. However, requirements specific to SCDev/QSCD devices, as used by subjects of the TSP, are outside the scope of this TS. These requirements are defined as Common Criteria [CC] Protection Profiles (PP) in the EN 419211 series. Recommendations for the cryptographic algorithms to be supported by TWSs are provided in ETSI/TS 119 312. Although this TS is based on the use of public key cryptography, it does not require or define any particular communication protocol or format for electronic signatures, certificates, certificate revocation lists, certificate status information and time-stamp tokens. It only assumes certain types of information to be present in the certificates in accordance with Annex I of Dir.1999/93/EC and of [Reg.910/2014/EU]. Interoperability between TSP systems and subject systems is outside the scope of this document. The use of TWSs that are already compliant to relevant security requirements of this TS should support TSPs in reducing their burden to establish conformance of their policy to ETSI TS 119 411-1, 119 411-2, and 119 421 (or equivalent ENs to be subsequently published) and in meeting the Annex I and Annex II requirements of Dir.1999/93/EC as well as the requirements from Annex I and Article 24.2 (e) of [Reg.910/2014/EU]. 1.2 European Regulation-specific The main focus of this document is on the requirements in Article 24.2 (e) of [Reg.910/2014/EU] whilst still facilitating the meeting of requirements in Dir.1999/93/EC, Annex II (f). In considering [Reg.910/2014/EU] it is important to take into account the following requirements of particular relevance to TSP trustworthy systems: a) Article 24.2 (f) – “use trustworthy systems to store data provided to it, in a verifiable form so that: (i) they are publicly available for retrieval only where the consent of the person to whom the data relates has been obtained, (ii) only authorised persons can make entries and changes to the stored data, (iii) the data can be checked for authenticity”; b) Article 24.2 (g) – “take appropriate measures against forgery and theft of data”; c) Article 24.2 (h) – “record and keep accessible for an appropriate period of time, including after the activities of the qualified trust service provider have ceased, all relevant information concerning data issued and received by the qualified trust service provider, in particular, for the purpose of providing evidence in legal proceedings and for the purpose of ensuring continuity of the service. Such recording may be done electronically”; d) Article 24.2 (j) – “ensure lawful processing of personal data in accordance with Directive 95/46/EC”; e) Article 24.2 (k) – “in case of qualified trust service providers issuing qualified certificates, establish and keep updated a certificate database”; f) Article 24.3 – “If a qualified trust service provider issuing qualified certificates decides to revoke a certificate, it shall register such revocation in its certificate database and publish the revocation status of the certificate in a timely manner, and in any event within 24 hours after the receipt of the request. The revocation shall become effective immediately upon its publication”; g) Article 24.4 – “With regard to paragraph 3, qualified trust service providers issuing qualified certificates shall provide to any relying party information on the validity or revocation status of qualified certificates issued by them.

Keel: en

Alusdokumendid: CEN/TS 419261:2015

## **EVS-EN 16494:2015**

### **Railway applications - Requirements for ERTMS Trackside Boards**

This European Standard defines the requirements for the provision, visibility, readability, maintenance and testing of a specific set of ERTMS trackside boards associated with the following DMI and ETCS track conditions: - ETCS stop marker; - ETCS location marker, the trackside ETCS signal to identify a specific location on the line; - level transition, corresponding to transitions between ETCS levels; - lower pantograph; - pantograph lowered; - raise pantograph; - neutral section announcement; - neutral section; - end of neutral section; - GSM-R network border marker. This European Standard includes the arrangement of the boards and their interface with existing systems (track, cab design including cab sight lines, visibility by the driver and train head lamps). NOTE 1 The ETCS and GSM-R signs are needed when the information normally associated with the DMI symbols is provided at the trackside. NOTE 2 The application of ERTMS trackside boards is not within the scope of this standard. Sighting requirements are not included within the scope of this standard. Sighting requirements for the boards may be different according to their level of authority: marker boards ‘End of Authority’ need to be treated with the same level of authority as a signal and may have enhanced sighting requirements; the remaining boards may be sighted as generic signage sighting rules. The sighting process needs to be implemented in accordance with national safety rules.

Keel: en

Alusdokumendid: EN 16494:2015

## **EVS-EN 62740:2015**

### **Root Cause Analysis (RCA)**

IEC 62740:2015 describes the basic principles of root cause analysis (RCA) and specifies the steps that a process for RCA should include. This standard identifies a number of attributes for RCA techniques which assist with the selection of an appropriate technique. It describes each RCA technique and its relative strengths and weaknesses. RCA is used to analyse the root causes

of focus events with both positive and negative outcomes, but it is most commonly used for the analysis of failures and incidents. Causes for such events can be varied in nature, including design processes and techniques, organizational characteristics, human aspects and external events. RCA can be used for investigating the causes of non-conformances in quality (and other) management systems as well as for failure analysis, for example in maintenance or equipment testing. RCA is used to analyse focus events that have occurred, therefore this standard only covers a posteriori analyses. It is recognized that some of the RCA techniques with adaptation can be used proactively in the design and development of items and for causal analysis during risk assessment; however, this standard focuses on the analysis of events which have occurred. The intent of this standard is to describe a process for performing RCA and to explain the techniques for identifying root causes. These techniques are not designed to assign responsibility or liability, which is outside the scope of this standard. Keywords: root cause analysis (RCA), RCA techniques

Keel: en

Alusdokumendid: IEC 62740:2015; EN 62740:2015

## **EVS-EN 62741:2015**

### **Demonstration of dependability requirements - The dependability case**

IEC 62741:2015 gives guidance on the content and application of a dependability case and establishes general principles for the preparation of a dependability case. This standard is written in a basic project context where a customer orders a system that meets dependability requirements from a supplier and then manages the system until its retirement. The methods provided in this standard may be modified and adapted to other situations as needed. The dependability case is normally produced by the customer and supplier but can also be used and updated by other organizations. For example, certification bodies and regulators may examine the submitted case to support their decisions and users of the system may update/expand the case, particularly where they use the system for a different purpose. Keywords: dependability, reliability, availability, maintainability, supportability, usability, testability, durability.

Keel: en

Alusdokumendid: IEC 62741:2015; EN 62741:2015

## **07 MATEMAATIKA. LOODUSTEADUSED**

## **CEN/TR 15449-5:2015**

### **Geographic information - Spatial data infrastructures - Part 5: Validation and testing**

This part of the Technical Report provides guidance for validation and testing of data, metadata and services, as the main Spatial Data Infrastructure (SDI) components defined in other parts of CEN/TR 15449. The guidance is given by means of examples of the validation and testing process required to assure conformance with the requirements existing in the relevant standards and guidelines.

Keel: en

Alusdokumendid: CEN/TR 15449-5:2015

## **11 TERVISEHOOLDUS**

## **EVS-EN 13697:2015**

### **Chemical disinfectants and antiseptics - Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2, step 2)**

This European Standard specifies a test method (phase 2/step 2) and the minimum requirements for bactericidal and/or fungicidal or yeasticidal activity of chemical disinfectants that form a homogeneous physically stable preparation in hard water or – in the case of ready-to-use products – with water in food, industrial, domestic and institutional areas, excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues. The scope of this European Standard applies at least to the following: a) Processing, distribution and retailing of: 1) Food of animal origin: i) milk and milk products; ii) meat and meat products; iii) fish, seafood and products; iv) eggs and egg products; v) animal feeds; vi) etc. 2) Food of vegetable origin: i) beverages; ii) fruits, vegetables and derivatives (including sugar distillery); iii) flour, milling and backing; iv) animal feeds; v) etc. b) Institutional and domestic areas: 1) catering establishments; 2) public areas; 3) public transports; 4) schools; 5) nurseries; 6) shops; 7) sports rooms; 8) waste container (bins); 9) hotels; 10) dwellings; 11) clinically non sensitive areas of hospitals; 12) offices; 13) etc. c) Other industrial areas: 1) packaging material; 2) biotechnology (yeast, proteins, enzymes...); 3) pharmaceutical; 4) cosmetics and toiletries; 5) textiles; 6) space industry, computer industry; 7) etc. Using this European Standard, it is possible to determine the bactericidal or fungicidal or yeasticidal activity of the undiluted product. As three concentrations are tested, in the active to non active range, dilution of the product is required and, therefore, the product forms a homogeneous stable preparation in hard water. EN 14885 specifies in detail the relationship of the various tests to one another and to use recommendations. NOTE 1 The method described is intended to determine the activity of commercial formulations or active substances on bacteria and/or fungi in the conditions in which they are used. NOTE 2 This method cannot be used to evaluate the activity of products against mycobacteria.

Keel: en

Alusdokumendid: EN 13697:2015

Asendab dokumenti: EVS-EN 13697:2002

## **EVS-EN 16615:2015**

### **Chemical disinfectants and antiseptics - Quantitative test method for the evaluation of bactericidal and yeasticidal activity on non-porous surfaces with mechanical action employing wipes in the medical area (4- field test) - Test method and requirements (phase 2, step 2)**

This European Standard specifies a test method and the minimum requirements for bactericidal and yeasticidal activity of chemical disinfectant products that form a homogeneous, physically stable preparation when diluted with hard water – or in the case of ready-to-use products – with water. This European Standard applies to products that are used in the medical area for disinfecting non-porous surfaces including surfaces of medical devices by wiping – regardless if they are covered by the 93/42/EEC Directive on Medical Devices or not. This European Standard includes 'ready-to-use wipes' which are impregnated with a microbicidal solution. This European Standard applies to areas and situations where disinfection is medically indicated. Such indications occur in patient care, for example: - in hospitals, in community medical facilities and in dental institutions; - in clinics of schools, of kindergartens and of nursing homes; and may occur in the workplace and in the home. It may also include services such as laundries and kitchens supplying products directly for the patients. NOTE This method corresponds to a phase 2, step 2. test. EN 14885 specifies in detail the relationship of the various tests to one another and to "use recommendations".

Keel: en

Alusdokumendid: EN 16615:2015

## **EVS-EN 455-3:2015**

### **Medical gloves for single use - Part 3: Requirements and testing for biological evaluation**

This part of EN 455 specifies requirements for the evaluation of biological safety for medical gloves for single use. It gives requirements for labelling and the disclosure of information relevant to the test methods used.

Keel: en

Alusdokumendid: EN 455-3:2015

Asendab dokumenti: EVS-EN 455-3:2007

## **EVS-EN 62366-1:2015**

### **Medical devices - Part 1: Application of usability engineering to medical devices**

This part of IEC 62366 specifies a process for a manufacturer to analyse, specify, develop and evaluate the usability of a medical device as it relates to safety. This usability engineering (human factors engineering) process permits the manufacturer to assess and mitigate risks associated with correct use and use errors, i.e., normal use. It can be used to identify but does not assess or mitigate risks associated with abnormal use.

Keel: en

Alusdokumendid: EN 62366-1:2015; IEC 62366-1:2015

## **EVS-EN 80601-2-35:2010/AC:2015**

### **Elektrilised meditsiiniseadmed. Osa 2-35: Erinõuded meditsiinilises kasutuses soojendustekkide, -patjade ja –madratsite esmasele ohutusele ja olulistele toimimisnäitajatele Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use**

Corrigendum to EN 80601-2-35:2009

Keel: en

Alusdokumendid: EN 80601-2-35:2009/AC:2015

Parandab dokumenti: EVS-EN 80601-2-35:2010

## **EVS-EN ISO 7439:2015**

### **Vasktöölusega emakasisesed kontraseptiivid. Nõuded ja katsetamine Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO 7439:2015)**

This International Standard specifies requirements and tests for single-use, copper-bearing contraceptive intrauterine devices (IUDs) and their insertion instruments. It is not applicable to IUDs consisting only of a plastics body or whose primary purpose is to release progestogens. NOTE Some aspects of this International Standard can be applicable to medicated intrauterine devices and IUDs not containing copper.

Keel: en

Alusdokumendid: ISO 7439:2015; EN ISO 7439:2015

Asendab dokumenti: EVS-EN ISO 7439:2011

## **EVS-EN ISO 7494-2:2015**

### **Dentistry - Dental units - Part 2: Air, water, suction and wastewater systems (ISO 7494-2:2015)**

This part of ISO 7494 specifies requirements and test methods concerning a) the configuration of dental unit connections to the compressed air supply, water supply, suction supply, and wastewater drain plumbing, b) the materials, design, and construction of the compressed air and water system within the dental unit, c) the quality for incoming water and air, and d) the performance of dental unit suction system. This part of ISO 7494 also specifies requirements for instructions for use and technical description. This part of ISO 7494 is limited to dental units that are not used for life support treatment of ambulatory patients or for oral surgery treatment requiring sterile air and water supplies. Amalgam separators are not included in this International Standard.

Keel: en  
Alusdokumendid: ISO 7494-2:2015; EN ISO 7494-2:2015  
Asendab dokumenti: EVS-EN ISO 11144:1999  
Asendab dokumenti: EVS-EN ISO 7494-2:2004

## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

### CEN/TR 16832:2015

#### **Selection, use, care and maintenance of personal protective equipment for preventing electrostatic risks in hazardous areas (explosion risks)**

This Technical Report sets out guidance for the selection, use, care and maintenance of clothing and related items of personal protective equipment designed to prevent hazards caused by static electricity in hazardous areas. Static electricity should not be confused with mains supply electricity, or other forms of electric current; the requirements for protection against static electricity are different to the requirements for protection against hazards associated with electric current. Protection against electrostatic risks should not be confused with protection against electric arc; the former is concerned with electrical properties and the latter is concerned with heat, flame and projectile protection. Directive 89/686/EEC requires that PPE intended for use in explosive atmospheres must be so designed and manufactured that it cannot be the source of an electric, electrostatic or impact-induced arc or spark likely to cause an explosive mixture to ignite. Whereas this Technical Report addresses electrostatic ignition risks, it does not address other possible sources of ignition. Nevertheless, other possible sources of ignition are required to be considered when certifying PPE to the requirements of Directive 89/686/EEC. NOTE EN 13463-1 gives guidance on assessing possible ignition sources in non-electrical equipment that may be used for some items of PPE.

Keel: en  
Alusdokumendid: CEN/TR 16832:2015

### CEN/TS 16692:2015

#### **Vee kvaliteet. Tributüültina (TBT) määramine vee koguproovides, kasutades tahke faasi ekstraktsiooni (SPE) ja gaasikromatograafiat kolmekordse kvadrupool massispektromeetriga Water quality - Determination of tributyltin (TBT) in whole water samples - Method using solid phase extraction (SPE) with SPE disks and gas chromatography with triple quadrupole mass spectrometry**

This Technical Specification specifies a method for the determination of tributyltin (TBT) in whole water samples. It is applicable to the analysis of TBTs in surface water, which may contain suspended particulate matter (SPM) up to 500 mg/l (whole water samples), ground water, surface water and sea water.

Keel: en  
Alusdokumendid: CEN/TS 16692:2015

### CEN/TS 1948-5:2015

#### **Stationary source emissions - Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs - Part 5: Long-term sampling of PCDDs/PCDFs and PCBs**

This Technical Specification CEN/TS 1948-5 specifies the long-term sampling of PCDD/PCDF/PCB concentrations in emissions of stationary sources. It is intended to base the new method on EN 1948 Part 2, 3, 4 "Analyses of PCDD/PCDF/PCB". The development of the new method is necessary due to the enhanced demand of several European countries and of the European Commission with regard to possible amendment of the Waste Incineration Directive 2000/76. <http://ec.europa.eu/environment/air/stationary.htm#2> [http://ec.europa.eu/environment/air/pdf/technical\\_annex2.pdf](http://ec.europa.eu/environment/air/pdf/technical_annex2.pdf) Preferably the development of the method has to be done by validation measurements.

Keel: en  
Alusdokumendid: CEN/TS 1948-5:2015

### EVS-EN 13381-3:2015

#### **Test methods for determining the contribution to the fire resistance of structural members - Part 3: applied protection to concrete members**

This part of this European Standard specifies a test method for determining the contribution of fire protection systems to the fire resistance of structural concrete members, for instance slabs, floors, roofs and walls and which can include integral beams and columns. The concrete can be lightweight, normal weight or heavyweight concrete and of all strength classes (e.g. 20/25 to 50/60 for normal strength concrete and for high strength concrete 55/67 to 90/105). The member shall contain steel reinforcing bars. The test method is applicable to all fire protection materials used for the protection of concrete members and includes sprayed materials, coatings, cladding protection systems and multi-layer or composite fire protection materials, with or without a gap between the fire protection material and the concrete member. This European Standard specifies the tests which shall be carried out to determine the ability of the fire protection material to remain coherent and fixed to the concrete and to provide data on the temperature distribution throughout the protected concrete member, when exposed to the standard temperature time curve. In special circumstances, where specified in national building regulations, there can be a need to subject the protection material to a smouldering curve. The test for this and the special circumstances for its use are detailed in Annex A. The fire test methodology makes provision for the collection and presentation of data which can be used as direct input to the calculation of fire resistance of concrete members in accordance with the procedures given in EN 1992-1-2. This European Standard also contains the assessment which prescribes how the analysis of the test data shall be made and gives guidance to the procedures by which interpolation shall be undertaken. The limits of applicability of the results of the assessment arising from the fire test are defined together with permitted direct application of the results to different concrete structures, densities, strengths, thicknesses and

production techniques over the range of thicknesses of the applied fire protection system tested. The test method, the test results and the assessment method are not applicable to structural hollow concrete members.

Keel: en

Alusdokumendid: EN 13381-3:2015

### **EVS-EN 13823:2010+A1:2015**

#### **Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

#### **Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item**

See Euroopa standard määratleb katsemeetodi, millega määratakse tuletundlikkust ehitustoodetele, välja arvatud põrandakattematerjalidele, samuti materjalidele, millele on viidatud EÜ otsuse 2000/147/EÜ tabelis 1, kui termiline mõjutaja on üksik põlev objekt (SBI – Single Burning Item). Arvutused on ära toodud lisas A. Informatsioon meetodi täpsuse kohta on ära toodud lisas B. Kalibreerimisprotseduurid on ära toodud lisades C ja D, millest lisa C on normlisa. MÄRKUS Euroopa standard on välja töötatud põhiliselt lamedate toodete tuletundlikkuse kindlaks määramiseks. Teatud tootegruppide, näiteks torude, kanalite, kaablite jne, toodete käsitlemine nõuab erireegleid.

Keel: en, et

Alusdokumendid: EN 13823:2010+A1:2014

Asendab dokumenti: EVS-EN 13823:2010

### **EVS-EN 14429:2015**

#### **Characterization of waste - Leaching behaviour test - Influence of pH on leaching with initial acid/base addition**

This European Standard specifies a method for the determination of the influence of pH on the leachability of inorganic constituents from a waste material. The equilibrium condition as defined in the standard is established by addition of pre-determined amounts of acid or base to reach desired end pH values. This test method produces eluates, which are subsequently characterized physically and chemically. This European Standard is a parameter specific test as specified in EN 12920. The application of this test method alone is not sufficient for the determination of the detailed leaching behaviour of a waste under specified conditions.

Keel: en

Alusdokumendid: EN 14429:2015

Asendab dokumenti: CEN/TS 14429:2005

### **EVS-EN 14997:2015**

#### **Characterization of waste - Leaching behaviour test - Influence of pH on leaching with continuous pH control**

This European Standard specifies a method for the determination of the influence of pH on the leachability of inorganic constituents from a waste material. Approaching equilibrium as defined in this European Standard is established by continuous adjustment of the pH by addition of acid or base to reach desired pH values. This test method produces eluates, which are subsequently characterized physically and chemically. This European Standard is a parameter specific test as specified in EN 12920. The application of this test method alone is not sufficient for the determination of the detailed leaching behaviour of a waste under specified conditions.

Keel: en

Alusdokumendid: EN 14997:2015

Asendab dokumenti: CEN/TS 14997:2006

### **EVS-EN 15002:2015**

#### **Characterization of waste - Preparation of test portions from the laboratory sample**

This European Standard is applicable for the preparation of representative test portions from the laboratory sample that has been taken according to the sampling plan (EN 14899), prior to physical and/or chemical analysis (e.g. preparation of eluates, extractions, digestion and/or analytical determinations) of solid (including monolithic material) and liquid samples and sludge. It is also applicable for the preparation of test portions from digests and eluates for the subsequent analyses. This European Standard is intended to find the correct sequence of operations and treatments to be applied to the laboratory sample in order to obtain suitable test portions in compliance with the specific requirements defined in the corresponding analytical procedures.

Keel: en

Alusdokumendid: EN 15002:2015

Asendab dokumenti: EVS-EN 15002:2006

### **EVS-EN 15863:2015**

#### **Characterization of waste - Leaching behaviour test for basic characterization - Dynamic monolithic leaching test with periodic leachant renewal, under fixed conditions**

This European Standard is applicable for determining the leaching behaviour of monolithic wastes under dynamic conditions. The test is performed under fixed experimental conditions in this document. This test is aimed at determining the release as a function of time of inorganic constituents from a monolithic waste, when it is put into contact with an aqueous solution (leachant). This dynamic monolithic leaching test (DMLT) is a parameter specific test as specified in EN 12920 and is therefore not aimed at simulating real situations. The application of this test method alone is not sufficient for the determination of the detailed leaching behaviour of a monolithic waste under specified conditions. In the framework of EN 12920 and in combination with additional

chemical information, the test results are used to identify the leaching mechanisms and their relative importance. The intrinsic properties can be used to predict the release of constituents at a given time frame, in order to assess the leaching behaviour of monolithic waste materials, placed in different situations or scenarios (including disposal and recycling scenarios). The test method applies to regularly shaped test portions of monolithic wastes with minimum dimensions of 40 mm in all directions that are assumed to maintain their integrity over a time frame relevant for the considered scenario. The test method applies to test portions for which the geometric surface area can be determined with the help of simple geometric equations. The test method applies to low permeable monolithic materials. Within the reproducibility ranges, the leaching results obtained with EN 15863 are expected to be equivalent to those obtained with CEN/TS 16637-2 (DMLT for construction products), because the main testing conditions are equalized in both standards. As shown in the results obtained with EN 15863 (see Annex E), they are also demonstrated to be comparable with EPA method 1315 (SW846). These observations imply that a monolithic waste tested with this European Standard, does not need to be tested a second time, when the material proves suitable for beneficial use in construction and provided it has not undergone a treatment or other changes modifying its leaching behaviour. NOTE 1 If, in order to comply with the requirements of regular shape, the test portion is prepared by cutting or coring, then new surfaces are exposed which can lead to change(s) in leaching properties. On the other hand if the test portion is prepared by moulding, the surface will be dependent to the type of mould and the conditions of storage. If the intention is to evaluate the behaviour of the material core, the specimen needs to be stored without any contact with air to avoid carbonation. NOTE 2 For monolithic waste materials with a saturated hydraulic conductivity higher than 10<sup>-8</sup> m/s water is likely to percolate through the monolith rather than flow around. In such cases relating the release to the geometric surface can lead to misinterpretation. A percolation test is more appropriate than (e.g. CEN/TS 14405). This procedure may not be applicable to materials reacting with the leachant, leading for example to excessive gas emission or an excessive heat release. This document has been developed to determine the release of mainly inorganic constituents from wastes. It does not take into account the particular characteristics of organic constituents, nor the consequences of microbiological processes in organic degradable wastes.

Keel: en

Alusdokumendid: EN 15863:2015

Asendab dokumenti: CEN/TS 15863:2012

### **EVS-EN 15882-2:2015**

#### **Extended application of results from fire resistance tests for service installations - Part 2: Fire dampers**

This European Standard provides guidance and rules to notified bodies (for fire dampers) to allow them to produce/validate an extended field of application report for fire dampers. This standard identifies the parameters that affect the fire resistance of dampers. It also identifies the factors that need to be considered when deciding whether, or by how much, the parameter can be extended when contemplating the fire resistance performance of an untested, or untestable variation in the construction. This European Standard explains the principles behind how a conclusion on the influence of specific parameters/constructional details relating to the relevant criteria (E,I,S) can be achieved. This European Standard does not cover dampers used for smoke control. This European Standard only applies to extended fields of application based on tests successfully undertaken to EN 1366-2. Only test reports that have a total test time where the criteria are fulfilled that is in excess of the required classification period by a margin of either 10 % or 12 min, whichever is the least, are to be considered. Each classification (E,I,S) is to be considered individually - consequently E (134 min achieved) may be extended, but EI (61 min achieved) may not be extended for a classification of EI60. Additionally, leakage determined during such tests is to be at least 10 % below the leakage limits for E, or for E-S, dependent on classification achieved, given in EN 13501-3 before the EXAP rules can be applied. The 10 % below the leakage limits is to be fulfilled for the extended period in addition to the classification period. By application of this European Standard, it should be possible to identify what specifications should be tested to maximize the field of application. Some information on test programmes is given for guidance purposes.

Keel: en

Alusdokumendid: EN 15882-2:2015

### **EVS-EN 54-12:2015**

#### **Automaatne tulekahjusignalisatsioonisüsteem. Osa 12: Suitsuandurid. Optilist valguskiirt kasutavad liiniandurid**

#### **Fire detection and fire alarm systems - Part 12: Smoke detectors - Line detectors using an optical beam**

This European Standard specifies requirements, test methods and performance criteria for line detectors using an optical beam that detect smoke by utilizing the attenuation and/or changes in attenuation of an optical beam, for use in fire detection and fire alarm systems installed in buildings (see EN 54 1:2011). This European Standard provides for the assessment and verification of constancy of performance (AVCP) of line detectors using an optical beam to this EN. This European Standard does not cover: - Line detectors using an optical beam designed to operate with separations between opposed components of less than 1 m; - Line detectors using an optical beam whose optical path length is defined or adjusted by an integral mechanical connection; - Line detectors using an optical beam with special characteristics, which cannot be assessed by the test methods in this European Standard. NOTE The term "optical" is used to describe that part of the electromagnetic spectrum produced by the transmitter to which the receiver is responsive; this is not restricted to visible wavelengths.

Keel: en

Alusdokumendid: EN 54-12:2015

Asendab dokumenti: EVS-EN 54-12:2003

### **EVS-EN 54-26:2015**

#### **Automaatne tulekahjusignalisatsioonisüsteem. Osa 26: Vingugaasiandurid. Punktiandurid**

#### **Fire detection and fire alarm systems - Part 26: Carbon monoxide detectors - Point detectors**

This European Standard specifies requirements, test methods and performance criteria for point detectors using carbon monoxide sensing for use in fire detection and fire alarm systems in and around buildings (see EN 54 1:2011). This European Standard provides for the assessment and verification of consistency of performance (AVCP) of carbon monoxide point detectors to this EN. This European Standard does not cover fire detectors incorporating at least one CO sensing element in combination with other elements sensing different fire phenomena. CO detectors having special characteristics suitable for the detection of specific fire risks are not covered by this European Standard. The performance requirements for any additional functions are beyond the scope of this European Standard (e.g. additional features or enhanced functionality for which this standard does not define a test or assessment method).

Keel: en

Alusdokumendid: EN 54-26:2015

### **EVS-EN 54-29:2015**

#### **Fire detection and fire alarm systems - Part 29: Multi-sensor fire detectors - Point detectors using a combination of smoke and heat sensors**

This European Standard specifies requirements, test methods and performance criteria for point-type multi-sensor fire detectors for use in fire detection systems installed in buildings (see EN 54 1:2011), incorporating in one mechanical enclosure at least one optical or ionization smoke sensor and at least one heat sensor. The overall fire detection performance is determined utilizing the combination of the detected phenomena. This European Standard provides for the assessment and verification of consistency of performance (AVCP) of point detectors using a combination of smoke and heat sensors to this EN. Point detectors using a combination of smoke and heat sensors having special characteristics suitable for the detection of specific fire risks are not covered by this European Standard. The performance requirements for any additional functions are beyond the scope of this European Standard (e.g. additional features or enhanced functionality for which this European Standard does not define a test or assessment method). NOTE Certain types of detector contain radioactive materials. The national requirements for radiation protection differ from country to country and they are not specified in this European Standard.

Keel: en

Alusdokumendid: EN 54-29:2015

### **EVS-EN 54-30:2015**

#### **Fire detection and fire alarm systems - Part 30: Multi-sensor fire detectors - Point detectors using a combination of carbon monoxide and heat sensors**

This European Standard specifies requirements, test methods and performance criteria for point-type multi-sensor fire detectors for use in fire detection systems installed in and around buildings (see EN 54 1:2011), incorporating in one mechanical enclosure at least one carbon monoxide sensor and at least one heat sensor and where the overall fire detection performance is determined utilizing the combination of the detected phenomena. This European Standard provides for the assessment and verification of consistency of performance (AVCP) of multi-sensor fire detectors using a combination of carbon monoxide and heat sensors to this EN. Multi-sensor fire detectors using carbon monoxide and heat sensors having special characteristics suitable for the detection of specific fire risks are not covered by this European Standard. The performance requirements for any additional functions are beyond the scope of this standard (e.g. additional features or enhanced functionality for which this European Standard does not define a test or assessment method).

Keel: en

Alusdokumendid: EN 54-30:2015

### **EVS-EN 60335-2-5:2015**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded nõudepesumasinatele**

#### **Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

This International Standard deals with the safety of electric dishwashers for household and similar purposes that are intended for washing and rinsing dishes, cutlery and other utensils, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances intended for normal household and similar use and that may also be used by laymen in shops, in light industry and on farms, are within the scope of this standard. However, if the appliance is intended to be used professionally for washing and rinsing dishes and cutlery and other utensils that are used for commercial purposes, the appliance is not considered to be for household and similar use only. 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; - children playing with the appliance.

Keel: en

Alusdokumendid: EN 60335-2-5:2015; IEC 60335-2-5:2012

Asendab dokumenti: EVS-EN 60335-2-5:2003

Asendab dokumenti: EVS-EN 60335-2-5:2003/A1:2005

Asendab dokumenti: EVS-EN 60335-2-5:2003/A11:2009

Asendab dokumenti: EVS-EN 60335-2-5:2003/A12:2012

Asendab dokumenti: EVS-EN 60335-2-5:2003/A2:2008

### **EVS-EN 60335-2-6:2015**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded kohtkindlatele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**

## **Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

This International Standard deals with the safety of stationary electric cooking ranges, hobs, ovens and similar appliances for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. NOTE 101 Examples of appliances that are within the scope of this standard are – griddles; – grills; – induction hobs; – induction wok elements; – pyrolytic self-cleaning ovens; – steam ovens. 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; – children playing with the appliance. 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, the national water supply authorities and similar authorities. NOTE 103 This standard does not apply to – appliances intended for commercial catering; – 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); – grills, toasters and similar portable cooking appliances (IEC 60335-2-9); – microwave ovens (IEC 60335-2-25).

Keel: en

Alusdokumendid: EN 60335-2-6:2015; IEC 60335-2-6:2014

Asendab dokumenti: EVS-EN 60335-2-6:2003

Asendab dokumenti: EVS-EN 60335-2-6:2003/A1:2006

Asendab dokumenti: EVS-EN 60335-2-6:2003/A11:2011

Asendab dokumenti: EVS-EN 60335-2-6:2003/A12:2012

Asendab dokumenti: EVS-EN 60335-2-6:2003/A13:2013

Asendab dokumenti: EVS-EN 60335-2-6:2003/A2:2008

## **EVS-EN 60839-11-2:2015**

### **Alarm and electronic security systems - Part 11-2: Electronic access control systems - Application guidelines**

This part of IEC 60839 defines the minimum requirements and guidance for the installation and operation of electronic access control systems (EACS) and/or accessory equipment to meet different levels of protection. This standard includes requirements for planning, installation, commissioning, maintenance and documentation for the application of EACS installed in and around buildings and areas. The equipment functions are defined in the IEC 60839-11-1. When the EACS includes functions relating to hold-up or the detection of intruders, the requirements in standards relating to intrusion and hold-up are also applicable. This standard provides application guidelines intended to assist those responsible for establishing an EACS to ascertain the appropriate design and planning of the EACS, both in terms of levels of protection and levels of performance necessary to provide the degree of access control and protection considered appropriate for each installation. This is achieved by scaling or classifying the features of electronic access control systems related to the security functionality (e.g. recognition, access point actuation, access point monitoring, duress signaling and system self-protection) in line with the known or perceived threat conditions. This standard does not cover the methods and procedures for conducting a risk assessment.

Keel: en

Alusdokumendid: IEC 60839-11-2:2014; EN 60839-11-2:2015

## **EVS-EN 61243-3:2014/AC:2015**

### **Live working - Voltage detectors - Part 3: Two-pole low-voltage type**

Corrigendum to EN 61243-3:2014

Keel: en

Alusdokumendid: EN 61243-3:2014/AC:2015

Parandab dokumenti: EVS-EN 61243-3:2014

## **EVS-EN 61285:2015**

### **Industrial-process control - Safety of analyzer houses**

IEC 61285:2015 describes the physical requirements for the safe operation of the process analyser measuring system installed in an analyser house (AH) in order to ensure its protection against fire, explosion and health hazards. This standard applies for analyser houses with inner and/or external potential explosive atmospheres and it applies to hazards caused by toxic substances or asphyxiant gases. This third edition cancels and replaces the second edition published in 2004 and constitutes a technical revision. The main changes are: - incorporation of previously issued corrigendum and - minor updates to several sections and references.

Keel: en

Alusdokumendid: IEC 61285:2015; EN 61285:2015

Asendab dokumenti: EVS-EN 61285:2005

## **EVS-EN 62115:2005/A12:2015**

### **Elektrilised mänguasjad. Ohutus Electric toys - Safety**

Muudatus standardile EN 62115:2005

Keel: en, et

Alusdokumendid: EN 62115:2005/A12:2015

Muudab dokumenti: EVS-EN 62115:2005  
Muudab dokumenti: EVS-EN 62115:2005+A2:2011+A11:2012

## **EVS-EN 62115:2005+A2+A11+A12**

### **Elektrilised mänguasjad. Ohutus**

#### **Electric toys – Safety (IEC 62115:2003 + A1:2004, modified + IEC 62115:2003/A2:2010, modified)**

See Euroopa standard määrab kindlaks elektrilise ohutuse nõuded mänguasjadele, millel on vähemalt üks elektrist sõltuv funktsioon; mänguasjadele, mis on mistahes toode ning mis on üheselt konstrueeritud või mõeldud, kas ainult või mitte, mängimisel kasutamiseks lastele vanuses alla 14 eluaasta. MÄRKUS 1 Näited mänguasjadest, mis jäävad samuti antud standardi käsitlusalasse, on järgmised: — koostekomplektid; — katsekomplektid; — funktsionaalsed mänguasjad (mänguasi, mis toimib ja mida kasutatakse samal viisil nagu toodet, seadet või installatsiooni, mis on mõeldud kasutamiseks täiskasvanutele, ning mis võib olla sellise toote, seadme või installatsiooni vähendatud mõõtudes koopia); — arvutimänguasjad; — mänguarvutid. Täiendavad nõuded katsekomplektidele antakse lisa A. Mänguasjad, mis kasutavad elektrit sekundaarsete funktsioonide tarvis, kuuluvad samuti selle standardi käsitlusalasse. MÄRKUS 2 Sellise mänguasja näiteks on nukumaja, millel on lamp sees. Täiendavad nõuded mänguasjadele, mis sisaldavad lasereid ja valgusdioode, antakse lisa E. Kui on mõeldud, et laps mängib ka pakendiga, siis loetakse viimane samuti mänguasja osaks. See Euroopa standard hõlmab vaid mänguasjade ohutuse elektrilisi aspekte. Mitteelektrilisi aspekte hõlmab standardisari EN 71. Täpsemalt vaadake lisadest ZZA ja ZZB. MÄRKUS 3 Mänguasjade trafosid (IEC 61558-2-7 lineaarset tüüpi trafodele või IEC 61558-2-7 ja IEC 61558-2-16 lülitatavat tüüpi trafodele), akulaadijaid (IEC 60335-2-29) ning lastele kasutamiseks mõeldud akulaadijaid (IEC 60335-2-29 lisa AA) ei loeta mänguasja osadeks isegi siis, kui nad tarnitakse koos mänguasjaga. See Euroopa standard ei rakendu järgmistele mänguasjadele: — mänguväljaku seadmed, mis on mõeldud avalikes kohtades kasutamiseks; — automaatsed müntidega või ilma kasutatavad mängumasinad, mis on mõeldud avalikes kohtades kasutamiseks; — mängu-sõiduvahendid, mis on varustatud sisepelemismootoritega; — mängu-aurumasinad; — lingud ja katapuldid. Lisaks sellele ei hõlma standard järgmisi tooteid, mida selle Euroopa standardi mõistes ei käsitleta mänguasjadena: — elektrilised dekoratiivsed robotid (EN 50410); — dekoratiivsed esemed pidustusteks ja pühadeks; — sportivarustus, k.a rulluisud, reasuisud/ratasuisud ja rulad, mis on mõeldud lastele kehamassiga rohkem kui 20 kg; — jalgrattad sadula maksimaalse kõrgusega rohkem kui 435 mm mõõdetuna vertikaalsuunas maapinnalt sadula pealispinnani, kui iste on horisontaalasendis ja sadula varras on seatud minimaalse sisestamise märgile; — tõukerattad ja muud transpordivahendid, mis on konstrueeritud sportimiseks, või mis on mõeldud kasutamiseks liikumisel avalikel teedel või avalikel sõiduteedel; — elektri jõul liikuvad sõiduvahendid, mis on mõeldud kasutamiseks liikumisel avalikel teedel, avalikel sõiduteedel või nende kõnniteedel; — vees kasutatav varustus, mis on mõeldud kasutamiseks sügavas vees ning lastele ujumise õpetamise vahendid, nagu ujumisistmed ja ujumise abivahendid; — pusled, millel on rohkem kui 500 detaili; — surugaasil töötavad püssid ja püstolid, välja arvatud veepüssid ja -püstolid, samuti sportvibud pikkusega üle 120 cm; — tooted ja mängud, mis kasutavad teravaotsalisi viskevahendeid, nagu metallist otstega nooleviskekomplektid; — funktsionaalsed õppeotstarbelised tooted, nagu elektripliidid, triikraud või teised funktsionaalsed tooted, mis töötavad nominaalpingel üle 24 V, ning mida müüakse õpetamiseks ainult täiskasvanute järelevalve all; — ilutulestikuvahendid, k.a tongid, mis ei ole otseselt mänguasjadele konstrueeritud; — tooted, mis on mõeldud kasutamiseks õppeotstarbel koolides ning muudes pedagoogilistes tegevustes täiskasvanud instruktorite järelevalve all, nagu teadusotstarbeline varustus; — elektroonikaseadmed, nagu personaalarvutid ja mängukonsoolid, mida kasutatakse juurdepääsuks interaktiivsele tarkvarale, ning nendega kaasnevad perifeersed seadmed, kui need elektroonikaseadmed või nendega kaasnevad perifeersed seadmed ei ole otseselt konstrueeritud ja suunatud lastele ning neil omal on mänguline väärtus, nagu spetsiaalselt konstrueeritud personaalarvutid, klaviatuurid, juhtkangid või juhtimisroolid; — interaktiivne tarkvara, mis on mõeldud puhke- ja lõbustustegevuseks, nagu arvutimängud ja nende salvestusmeedia, nagu CD-d; — lastele mõeldud valgustid; — laste ehted, mida ei kasutata mängimiseks; — beebide lutid; — kollektsionääridele mõeldud tooted tingimusel, et toode või selle pakend kannab nähtavat ja loetavat tähistust, et see on mõeldud kollektsionääridele vanuses 14 eluaastat ja üle selle. NÄIDETEKS sellist liiki toodetest on — detailsed ja tõetruud miniatuursed mudelid, — komplektid täpsete miniatuursete mudelite kokkupanekuks, — rahvariides nukud, dekoratiivsed nukud ja teised sarnased tooted, — ajalooliste mänguasjade koopiad ning — reaalsete tulirelvade reproduktioonid.

Keel: en, et

Alusdokumendid: EN 62115:2005; EN 62115:2005/A2:2011; EN 62115:2005/A11:2012; EN 62115:2005/A12:2015; IEC 62115:2011

## **EVS-EN 62676-1-2:2014/AC:2015**

### **Video surveillance systems for use in security applications - Part 1-2: System requirements – Performance requirements for video transmission**

Parandus standardile EVS-EN 62676-1-2:2014

Keel: en

Alusdokumendid: EN 62676-1-2:2014/AC:2015  
Parandab dokumenti: EVS-EN 62676-1-2:2014

## **EVS-EN 62676-4:2015**

### **Video surveillance systems for use in security applications - Part 4: Application guidelines**

This part of IEC 62676 gives recommendations and requirements for the selection, planning, installation, commissioning, maintaining and testing video surveillance systems (VSS) comprising of image capture device(s), interconnection(s) and image handling device(s), for use in security applications. The objectives of this part of IEC 62676 are to: a) provide a framework to assist customers, installers and users in establishing their requirements, b) assist specifiers and users in determining the appropriate equipment required for a given application, c) provide means of evaluating objectively the performance of the VSS.

Keel: en

Alusdokumendid: IEC 62676-4:2014; EN 62676-4:2015  
Asendab dokumenti: EVS-EN 50132-7:2012

## 17 METROLOOGIA JA MÕOTMINE. FÜSIKALISED NÄHTUSED

### **EVS-EN 62110:2010/AC:2015**

#### **Electric and magnetic field levels generated by AC power systems - Measurement procedures with regard to public exposure**

Corrigendum to EN 62110:2009

Keel: en

Alusdokumendid: EN 62110:2009/AC:2015

Parandab dokumenti: EVS-EN 62110:2010

### **EVS-EN ISO 16610-1:2015**

#### **Geometrical product specifications (GPS) - Filtration - Part 1: Overview and basic concepts (ISO 16610-1:2015)**

This part of ISO/TS 16610 sets out the basic terminology for GPS filtration and the framework for the fundamental procedures used in GPS filtration

Keel: en

Alusdokumendid: ISO 16610-1:2015; EN ISO 16610-1:2015

## 19 KATSETAMINE

### **EVS-EN 61010-2-051:2015**

#### **Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-051: Erinõuded laboratoorsetele segamisseadmetele**

#### **Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring**

This part of IEC 61010 is applicable to electrically operated laboratory equipment and its accessories for mechanical mixing and stirring, where mechanical energy influences the shape or size or homogeneity of materials and their accessories. Such devices may contain heating elements.

Keel: en

Alusdokumendid: EN 61010-2-051:2015; IEC 61010-2-051:2015

Asendab dokumenti: EVS-EN 61010-2-051:2004

### **EVS-EN 61010-2-061:2015**

#### **Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-061: Erinõuded laboratoorsetele termilisel atomiseerimisel ja ioniseerimisel põhinevatele aatomspektromeetritele**

#### **Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization**

This part of IEC 61010 applies to electrically powered laboratory atomic spectrometers with thermal atomization.

Keel: en

Alusdokumendid: EN 61010-2-061:2015; IEC 61010-2-061:2015

Asendab dokumenti: EVS-EN 61010-2-061:2004

### **EVS-EN ISO 16946:2015**

#### **Non-destructive testing - Ultrasonic testing - Specification for step wedge calibration block (ISO 16946:2015)**

This document specifies the dimensions, material and manufacture of a step wedge steel block for the calibration of ultrasonic instruments.

Keel: en

Alusdokumendid: ISO 16946:2015; EN ISO 16946:2015

## 21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

### **EVS-EN 62741:2015**

#### **Demonstration of dependability requirements - The dependability case**

IEC 62741:2015 gives guidance on the content and application of a dependability case and establishes general principles for the preparation of a dependability case. This standard is written in a basic project context where a customer orders a system that meets dependability requirements from a supplier and then manages the system until its retirement. The methods provided in this standard may be modified and adapted to other situations as needed. The dependability case is normally produced by the customer and supplier but can also be used and updated by other organizations. For example, certification bodies and regulators may examine the submitted case to support their decisions and users of the system may update/expand the case, particularly

where they use the system for a different purpose. Keywords: dependability, reliability, availability, maintainability, supportability, usability, testability, durability.

Keel: en

Alusdokumendid: IEC 62741:2015; EN 62741:2015

## 23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

### CEN/TR 13445-101:2015

#### Unfired pressure vessels - Example of application

This Technical Report presents an application of EN 13445 through an example of design and fabrication of an unfired pressure vessel. Every step is described as far as possible: - Material choice; - Design and calculation; - Fabrication; - Inspection and testing; using the following part of EN 13445: - EN 13445-1:2009; - EN 13445-2:2009; - EN 13445-3:2009; - EN 13445-4:2009; - EN 13445-5:2009. As applicable, some choices for design or fabrication are made according to "the state of art" practice. Some parts of EN 13445 are reproduced in order to show which requirements are relevant to the design and fabrication of the target vessel.

Keel: en

Alusdokumendid: CEN/TR 13445-101:2015

### CEN/TS 16765:2015

#### LPG equipment and accessories - Environmental considerations for CEN/TC 286 standards

Protection of the environment needs to be considered during the total life-cycle of a particular product, e.g. impact on the environment including expenditure of energy during all phases of its life-cycle, from mining of raw materials, production, testing, packaging, distribution, maintenance and use, end-of-life disposal and recycling of materials, etc. This Technical Specification provides information on the environmental aspects of equipment and accessories produced for the LPG industry. The following is addressed: a) design; b) manufacture; c) packaging; d) use and operation; e) disposal.

Keel: en

Alusdokumendid: CEN/TS 16765:2015

### EVS-EN 1113:2015

#### Sanitary tapware - Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 - General technical specification

This European Standard specifies: - the dimensional, leaktightness, mechanical and hydraulic characteristics with which shower hoses should comply; - the procedures for testing these characteristics. This European Standard applies to shower hoses of any material used for ablutionary purposes and intended for equipping and supplementing sanitary tapware for baths and showers. This European Standard applies to shower hoses connected downstream of the obturator of the tapware. Hoses which are an integral part of sanitary tapware (sink and wash basin mixing valves) or hoses intended to connect sanitary tapware to the water supplies are not covered by this European Standard. Details of pressures and temperatures are given in Table 1.

Keel: en

Alusdokumendid: EN 1113:2015

Asendab dokumenti: EVS-EN 1113:2008+A1:2011

### EVS-EN 13445-3:2014/A1:2015

#### Leekkuumutuseta surveanumad. Osa 3: Kavandamine Unfired pressure vessels - Part 3: Design

Amendment to annex C in EN 13445-3:2014

Keel: en

Alusdokumendid: EN 13445-3:2014/A1:2015

Muudab dokumenti: EVS-EN 13445-3:2014

### EVS-EN 764-1:2015

#### Pressure equipment - Part 1: Vocabulary

This European Standard specifies terms and definitions to be used for pressure equipment and assemblies within the scope of European Directives on pressure equipment. It may be applied to other pressure equipment.

Keel: en

Alusdokumendid: EN 764-1:2015

Asendab dokumenti: EVS-EN 764-1:2004

Asendab dokumenti: EVS-EN 764-3:2002

### EVS-EN 853:2015

#### Rubber hoses and hose assemblies - Wire braid reinforced hydraulic type - Specification

This European Standard specifies requirements for four types of wire braid reinforced hoses and hose assemblies of nominal bore from 5 to 51. They are suitable for use with: - hydraulic fluids in accordance with ISO 6743 4 with the exception of HFD R, HFD S and HFD T at temperatures ranging from -40 °C to +100 °C; - water based fluids at temperatures ranging from -40 °C to +70 °C; - water at temperatures ranging from 0 °C to +70 °C. This European Standard does not include requirements for end fittings. It is limited to the performance of hoses and hose assemblies. NOTE 1 The hoses are not suitable for use with castor oil based and

ester based fluids. NOTE 2 Hoses and hose assemblies are not be operated outside the limits of this standard. NOTE 3 Requirements for hydraulic hoses for underground mining are standardized in separate standards.

Keel: en

Alusdokumendid: EN 853:2015

Asendab dokumenti: EVS-EN 853:1999

Asendab dokumenti: EVS-EN 853:1999/AC:2007

## **EVS-EN 854:2015**

### **Rubber hoses and hose assemblies - Textile reinforced hydraulic type - Specification**

This European Standard specifies requirements for three types of textile reinforced rubber hoses and hose assemblies of nominal bore from 5 to 100. The types are defined in Clause 3. They are suitable for use with: - hydraulic fluids in accordance with ISO 6743 4 with the exception of HRD R, HFD S and HFD T at temperatures ranging from -40 °C to 100 °C; - water-based fluids at temperatures ranging from -40 °C to +70 °C; - water at temperature ranging from 0 °C to +70 °C. The European Standard does not include requirements for end fittings. It is limited to the performance of hoses and hose assemblies. NOTE 1 The hoses are not suitable for use with castor oil based and ester based fluids. NOTE 2 Hoses and hose assemblies are not be operated outside the limits of this standard. NOTE 3 Requirements for hydraulic hoses for underground mining are standardized in separate standards.

Keel: en

Alusdokumendid: EN 854:2015

Asendab dokumenti: EVS-EN 854:1999

## **EVS-EN 856:2015**

### **Rubber hoses and hose assemblies - Rubber-covered spiral wire reinforced hydraulic type - Specification**

This European Standard specifies requirements for four types of rubber-covered spiral wire reinforced hydraulic hoses and hose assemblies of nominal bore from 6 to 51: Types 4SP, 4SH, R12 and R13. They are all suitable for use with: - hydraulic fluids in accordance with ISO 6743 4 with the exception of HFD R, HFD S and HFD T at temperatures ranging from -40 °C to +100 °C for types 4SP and 4SH and -40 °C to +120 °C for types R12 and R13; - water based fluids at temperatures ranging from -40 °C to 70 °C; - water fluids at temperatures ranging from 0 °C to 70 °C. This European Standard does not include requirements for end fittings. It is limited to the performance of hoses and hose assemblies. NOTE 1 The hoses are not suitable for use with castor oil based nor ester based fluids. NOTE 2 Hoses and hose assemblies are not be operated outside the limits of this standard. NOTE 3 Requirements for hydraulic hoses for underground mining are standardised in a separate standard.

Keel: en

Alusdokumendid: EN 856:2015

Asendab dokumenti: EVS-EN 856:1999

## **EVS-EN 857:2015**

### **Rubber hoses and hose assemblies - Wire braid reinforced compact type for hydraulic applications - Specification**

This European Standard specifies requirements for two types of wire braid reinforced compact hoses and hose assemblies of nominal bore from 6 to 25, types 1SC and 2SC. They are suitable for use with: - hydraulic fluids in accordance with ISO 6743 4 with the exception of HFD R, HFD S and HFD T at temperatures ranging from -40 °C to +100 °C; - water based fluids at temperatures ranging from -40 °C to +70 °C; - water at temperatures ranging from 0 °C to +70 °C. This European Standard does not include requirements for end fittings. It is limited to the performance of hoses and hose assemblies. NOTE 1 The hoses are not suitable for use with castor oil based nor ester based fluids. NOTE 2 Hoses and hose assemblies are not be operated outside the limits of this standard. NOTE 3 Requirements for hydraulic hoses for underground mining are standardised in separate standards.

Keel: en

Alusdokumendid: EN 857:2015

Asendab dokumenti: EVS-EN 857:1999

## **EVS-EN ISO 11011:2015**

### **Compressed air - Energy efficiency - Assessment (ISO 11011:2013)**

This International Standard sets requirements for conducting and reporting the results of a compressed air system assessment (hereafter referenced as an "assessment") that considers the entire system, from energy inputs to the work performed as the result of these inputs. This International Standard considers compressed air systems as three functional subsystems: — supply which includes the conversion of primary energy resource to compressed air energy; — transmission which includes movement of compressed air energy from where it is generated to where it is used; — demand which includes the total of all compressed air consumers, including productive end-use applications and various forms of compressed air waste. This International Standard sets requirements for — analysing the data from the assessment, — reporting and documentation of assessment findings, and — identification of an estimate of energy saving resulting from the assessment process. This International Standard identifies the roles and responsibilities of those involved in the assessment activity. This International Standard provides indicative information in Annexes B, C, D, and E of the type of data to be collected to assist in a successful assessment. The information provided is not exhaustive and therefore is not intended to restrict the inclusion of other data. The form and presentation of the information given in the annexes is also not intended to restrict the manner of presentation of the reporting to the client.

Keel: en

Alusdokumendid: ISO 11011:2013; EN ISO 11011:2015

## **EVS-EN ISO 14414:2015**

### **Pump system energy assessment (ISO/ASME 14414:2015)**

The purpose of this standard is to prepare methodologies for the evaluation of the efficiency of pump systems. The pump systems of immediate interest are those in Buildings, Water Utilities and Chemical processes. This International Standard deals with evaluation of systems where a significant component of the energy consumed is by pumps on water applications (centrifugal, mixed flow and axial pumps). It may be applied to pumps of any size and to any pumped liquids that behave as clean cold water. This standard may also be used with care with systems with pumps for sludges, slurries or viscous liquids or those with suspended solids where special design rotodynamic and positive displacement pumps are used.

Keel: en

Alusdokumendid: ISO/ASME 14414:2015; EN ISO 14414:2015

## **EVS-EN ISO 17778:2015**

### **Plastics piping systems - Fittings, valves and ancillaries - Determination of gaseous flow rate/pressure drop relationships (ISO 17778:2015)**

This International Standard specifies a method for determining the flow rate/pressure drop relationship of components for plastics piping systems when tested using air at 25 mbar.

Keel: en

Alusdokumendid: ISO 17778:2015; EN ISO 17778:2015

Asendab dokumenti: EVS-EN 12117:1999

## **EVS-EN ISO 3458:2015**

### **Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for leaktightness under internal pressure (ISO 3458:2015)**

No scope available

Keel: en

Alusdokumendid: ISO 3458:2015; EN ISO 3458:2015

Asendab dokumenti: EVS-EN 715:1999

## **EVS-EN ISO 6259-1:2015**

### **Thermoplastics pipes - Determination of tensile properties - Part 1: General test method (ISO 6259-1:2015)**

No scope available

Keel: en

Alusdokumendid: ISO 6259-1:2015; EN ISO 6259-1:2015

Asendab dokumenti: EVS-EN ISO 6259-1:2002

## **25 TOOTMISTEHNOLLOOGIA**

## **EVS-EN 61285:2015**

### **Industrial-process control - Safety of analyzer houses**

IEC 61285:2015 describes the physical requirements for the safe operation of the process analyser measuring system installed in an analyser house (AH) in order to ensure its protection against fire, explosion and health hazards. This standard applies for analyser houses with inner and/or external potential explosive atmospheres and it applies to hazards caused by toxic substances or asphyxiant gases. This third edition cancels and replaces the second edition published in 2004 and constitutes a technical revision. The main changes are: - incorporation of previously issued corrigendum and - minor updates to several sections and references.

Keel: en

Alusdokumendid: IEC 61285:2015; EN 61285:2015

Asendab dokumenti: EVS-EN 61285:2005

## **EVS-EN 62541-10:2015**

### **OPC Unified Architecture -- Part 10: Programs**

This specification is part of the overall OPC Unified Architecture (OPC UA) standard series and defines the information model associated with Programs. This includes the description of the NodeClasses, standard Properties, Methods and Events and associated behaviour and information for Programs. The complete address space model including all NodeClasses and Attributes is specified in IEC 62541-3. The services such as those used to invoke the Methods used to manage Programs are specified in IEC 62541-4.

Keel: en

Alusdokumendid: EN 62541-10:2015; IEC 62541-10:2015

Asendab dokumenti: EVS-EN 62541-10:2012

## **EVS-EN 62708:2015**

### **Document kinds for Electrical and Instrumentation Projects in the Process Industry**

This standard defines specific documents and their basic content required for electrical and instrumentation projects in the process industry. This standard specifies document kind name and mandatory content of document kind. Documents used in the phases of a project from the concept phase to the mechanical completion are covered (see IEC 62337). Documents for project management and quality assurance are included. Documents for commercial project administration are excluded. Examples of documents are provided for easy reference, understanding and usage.

Keel: en

Alusdokumendid: EN 62708:2015; IEC 62708:2015

### **EVS-EN 62841-2-9:2015**

#### **Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 2-9: Erinõuded käeshoitavatele keermepuuridele ja -lõikuritele Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-9: Particular requirements for hand-held tappers and threaders**

This clause of Part 1 is applicable, except as follows: Addition: This standard applies to hand-held tappers and threaders.

Keel: en

Alusdokumendid: EN 62841-2-9:2015; IEC 62841-2-9:2015

Asendab dokumenti: EVS-EN 60745-2-9:2009

### **EVS-EN ISO 15609-2:2002+A1:2004**

#### **Specification and approval of welding procedures for metallic materials - Welding procedure specification - Part 2: Gas welding**

This standard specifies requirements for the content of welding procedure specifications for gas welding processes. This standard is part of a series of standards.

Keel: en

Alusdokumendid: EN ISO 15609-2:2001; ISO 15609-2:2001; EN ISO 15609-2:2001/A1:2003

### **EVS-EN ISO 17658:2015**

#### **Welding - Imperfections in oxyfuel flame cuts, laser beam cuts and plasma cuts - Terminology (ISO 17658:2002)**

This international Standard defines terms of the possible imperfections in oxyfuel gas, laser beam and plasma cuts in metallic materials which are collected and grouped. Imperfections are irregularities or deviations from the specified shape and location of cut. This international Standard only includes imperfections originating directly from oxyfuel gas, laser beam and plasma arc cutting; any adverse effects resulting from additional external stresses or strains are not considered. The type, shape and location of these imperfections are grouped together but conditions and causes of origin are not given. Information concerning the evaluation and consequences of the above mentioned imperfections is not given because this depends on the specific job requirements. The terms have been selected to characterize the principal imperfections mentioned, however, two or more may be found simultaneously. The grouping system used is not an evaluation of quality.

Keel: en

Alusdokumendid: EN ISO 17658:2015; ISO 17658:2002

Asendab dokumenti: EVS-EN 12584:1999

### **EVS-EN ISO 18278-1:2015**

#### **Resistance welding - Weldability - Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO 18278-1:2015)**

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

Keel: en

Alusdokumendid: ISO 18278-1:2015; EN ISO 18278-1:2015

Asendab dokumenti: EVS-EN ISO 18278-1:2005

### **EVS-EN ISO 2503:2009/A1:2015**

#### **Gas welding equipment - Pressure regulators and pressure regulators with flow-metering devices for gas cylinders used in welding, cutting and allied processes up to 300 bar (30 MPa) (ISO 2503:2009/Amd 1:2015)**

Amendment to EN ISO 2503:2009

Keel: en

Alusdokumendid: ISO 2503:2009/Amd 1:2015; EN ISO 2503:2009/A1:2015

Muudab dokumenti: EVS-EN ISO 2503:2009

### **EVS-EN ISO 5172:2006/A2:2015**

**Käsitsikasutatavad gaasipõletid keevitamiseks, lõikamiseks ja kuumutamiseks. Tehnilised andmed ja katsed**

**Gas welding equipment - Blowpipes for gas welding, heating and cutting - Specifications and tests (ISO 5172:2006/Amd 2:2015)**

Muudatus standardile EN ISO 5172:2006

Keel: en

Alusdokumendid: ISO 5172:2006/Amd 2:2015; EN ISO 5172:2006/A2:2015

Muudab dokumenti: EVS-EN ISO 5172:2006

### **EVS-EN ISO 7291:2010/A1:2015**

**Gas welding equipment - Pressure regulators for manifold systems used in welding, cutting and allied processes up to 30 MPa (300 bar) (ISO 7291:2010/AMD 1:2015)**

Amendment to EN ISO 7291

Keel: en

Alusdokumendid: ISO 7291:2010/Amd 1:2015; EN ISO 7291:2010/A1:2015

Muudab dokumenti: EVS-EN ISO 7291:2010

### **EVS-EN ISO 9013:2003+A1:2004**

**Thermal cutting - Classification of thermal cuts - Geometrical product specification and quality tolerances**

International Standard ISO 9013 applies to materials suitable for oxyfuel flame cutting, plasma cutting and laser cutting. It is applicable to flame cuts from 3 mm to 300 mm, plasma cuts from 1 mm to 150 mm and to laser cuts from 0,5 mm to 40 mm. This International Standard includes geometrical product specifications and quality tolerances. The geometrical product specifications are applicable if reference to ISO 9013 is made in drawings or pertinent documents, e.g. delivery conditions. If this International Standard is also to apply, by way of exception, to parts which are produced by different cutting processes (e.g. high-pressure water jet cutting), this has to be agreed upon separately.

Keel: en

Alusdokumendid: EN ISO 9013:2002; ISO 9013:2002; EN ISO 9013:2002/A1:2003

## **27 ELEKTRI- JA SOOJUSENERGEETIKA**

### **EVS-EN ISO 16993:2015**

**Solid biofuels - Conversion of analytical results from one basis to another (ISO 16993:2015)**

This International Standard gives formulas, which allow analytical data relating to solid biofuels to be expressed on the different bases in common use. Consideration is given to corrections that may be applied to certain determined values for solid biofuels prior to their calculation to other bases. In the informative Annex A tools for integrity checks of analytical results are given. In the informative Annex B conversion factors for calculation into other units are given. The informative Annex C is a guideline for the use of validation parameters as can be found in ISO/TC 238 analytical standards.

Keel: en

Alusdokumendid: ISO 16993:2015; EN ISO 16993:2015

Asendab dokumenti: EVS-EN 15296:2011

### **EVS-EN ISO 16994:2015**

**Solid biofuels - Determination of total content of sulfur and chlorine (ISO 16994:2015)**

This International Standard describes methods for the determination of the total sulphur and total chlorine content in solid biofuels. The standard specifies two methods for digestion of the fuel and different analytical techniques for the quantification of the elements in the digest solutions. The use of automatic equipment is also included in this standard provided that a validation is carried out as specified.

Keel: en

Alusdokumendid: ISO 16994:2015; EN ISO 16994:2015

Asendab dokumenti: EVS-EN 15289:2011

## **29 ELEKTROTEHNIKA**

### **CLC/TR 60079-32-1:2015**

**Explosive atmospheres - Part 32-1: Electrostatic Hazards - Guidance**

Electrostatic Hazards – Guidance

Keel: en

Alusdokumendid: IEC/TS 60079-32-1:2013; CLC/TR 60079-32-1:2015

Asendab dokumenti: CLC/TR 50404:2003

### CLC/TR 60079-33:2015

#### **Explosive atmospheres - Part 33: Equipment protection by special protection 's'**

Equipment protection by special protection 's'

Keel: en

Alusdokumendid: IEC 60079-33:2012; CLC/TR 60079-33:2015

### EVS-EN 50121-1:2015

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 1: Üldpõhimõtted Railway applications - Electromagnetic compatibility -- Part 1: General**

This Part 1 of the European standards series EN 50121 outlines the structure and the content of the whole set. It specifies the performance criteria applicable to the whole standards series. Clause 4 provides information about the EMC management. This part alone is not sufficient to give presumption of conformity to the essential requirements of the EMC-Directive and is intended to be used in conjunction with other parts of this standard. Annex A describes the characteristics of the railway system which affect electromagnetic compatibility (EMC) behaviour.

Keel: en

Alusdokumendid: EN 50121-1:2015

Asendab dokumenti: EVS-EN 50121-1:2006

Asendab dokumenti: EVS-EN 50121-1:2006/AC:2008

### EVS-EN 50121-2:2015

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 2: Kogu raudteesüsteemist keskkonda eralduv kiirgus**

#### **Railway applications - Electromagnetic compatibility -- Part 2: Emission of the whole railway system to the outside world**

This European Standard is intended to define the electromagnetic environment of the whole railway system including urban mass transit and light rail system. It describes the measurement method to verify the emissions, and gives the cartography values of the fields most frequently encountered. This European standard specifies the emission limits of the whole railway system to the outside world. The emission parameters refer to the particular measuring points defined in Clause 5. These emissions should be assumed to exist at all points in the vertical planes which are 10 m from the centre lines of the outer electrified railway tracks, or 10 m from the fence of the substations. Also, the zones above and below the railway system may be affected by electromagnetic emissions and particular cases shall be considered individually. These specific provisions are to be used in conjunction with the general provisions in EN 50121-1:2015.

Keel: en

Alusdokumendid: EN 50121-2:2015

Asendab dokumenti: EVS-EN 50121-2:2006

Asendab dokumenti: EVS-EN 50121-2:2006/AC:2008

### EVS-EN 50121-3-1:2015

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-1: Veerem. Rong ja komplektveerem**

#### **Railway applications - Electromagnetic compatibility -- Part 3-1: Rolling stock - Train and complete vehicle**

This European Standard specifies the emission and immunity requirements for all types of rolling stock. It covers traction stock, hauled stock and trainsets including urban vehicles for use in city streets. The frequency range considered is from 0 Hz (d.c.) to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified. The scope of this part of the standard ends at the interface of the rolling stock with its respective energy inputs and outputs. In the case of locomotives, trainsets, trams etc., this is the current collector (pantograph, shoe gear). In the case of hauled stock, this is the a.c. or d.c. auxiliary power connector. However, since the current collector is part of the traction stock, it is not entirely possible to exclude the effects of this interface with the power supply line. The slow moving test has been designed to minimize these effects. This European standard specifies the emission limits of the rolling stock to the outside world.

Keel: en

Alusdokumendid: EN 50121-3-1:2015

Asendab dokumenti: EVS-EN 50121-3-1:2006

Asendab dokumenti: EVS-EN 50121-3-1:2006/AC:2008

### EVS-EN 50121-3-2:2015

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-2: Veerem. Aparatuur**

#### **Railway applications - Electromagnetic compatibility -- Part 3-2: Rolling stock - Apparatus**

This European Standard applies to emission and immunity aspects of EMC for electrical and electronic apparatus intended for use on railway rolling stock. EN 50121-3-2 applies for the integration of apparatus on rolling stock. The frequency range considered is from DC to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified. The application of tests shall depend on the particular apparatus, its configuration, its ports, its technology and its operating conditions. This standard takes into account the internal environment of the railway rolling stock and the external environment of the railway, and interference to the apparatus from equipment such as hand-held radio-transmitters.

Keel: en

Alusdokumendid: EN 50121-3-2:2015

### **EVS-EN 50121-5:2015**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 5: Elektrivarustussüsteemi püsipaigaldiste ja aparatuuri emissioon ja häiringutaluvus Railway applications - Electromagnetic compatibility - Part 5: Emission and immunity of fixed power supply installations and apparatus**

This European Standard applies to emission and immunity aspects of EMC for electrical and electronic apparatus and systems intended for use in railway fixed installations for supply. This includes the power feed to the apparatus, the apparatus itself with its protective control circuits, trackside items such as switching stations, power autotransformers, booster transformers, substation power switchgear and power switchgear to other longitudinal and local supplies. Filters operating at railway system voltage (for example, for harmonic suppression or power factor correction) are not included in this standard since each site has special requirements. Filters would normally have separate enclosures with separate rules for access. If electromagnetic limits are required, these will appear in the specification for the equipment. The limits in this standard do not apply to intentional communication signals.

Keel: en

Alusdokumendid: EN 50121-5:2015

Asendab dokumenti: EVS-EN 50121-5:2006

Asendab dokumenti: EVS-EN 50121-5:2006/AC:2008

### **EVS-EN 50617-1:2015**

#### **Railways applications - Basic parameters of train detection systems - Part 1: Track circuits**

This European Standard is intended to be used in the context of the Interoperability Directive and the associated technical specification for interoperability relating to the control-command and signalling subsystems of the trans-European rail system. It is intended for use by manufacturers of track circuits and other forms of train detection systems using the rails as part of their detection principles as well as by Infrastructure Managers/Infrastructure Companies and National Safety Authorities, who are responsible for introducing and certifying new train detection systems on interoperable lines. This European Standard specifies the basic parameters of track circuits associated with the interference current limits for RST in the context of interoperability defined in the form of Frequency Management. The bands and limits defined in the Frequency Management are under evaluation for their economic impact. The evaluation is conducted by the European Railway Agency. The limits for compatibility between rolling stock and track circuits currently proposed in this standard allow provision for known interference phenomena linked to traction power supply and associated protection (over voltage, short-circuit current and basic transient effects like inrush current and power cut-off). These effects are assessed using modelling tools that have been verified by the previous European research project RAILCOM. This European Standard describes the factors accounted for in the compatibility limits that will be published in section 3.2 of the TSI CCS Interface document, ref. ERA/ERTMS/033281 and further defines a methodology to derive the level of immunity required for the track circuit. This methodology is dependent on the application of the track circuit. The actual immunity limits of the track circuits are not defined in this standard and remain the responsibility of individual infrastructure managers, NSAs and/or suppliers of train detection systems.

Keel: en

Alusdokumendid: EN 50617-1:2015

### **EVS-EN 50617-2:2015**

#### **Railways applications - Basic parameters of train detection systems - Part 2: Axle counters**

This European Standard is intended to specify the design and usage of Axle counter systems. It will be primarily used by Manufacturers of axle counter systems and other forms of Wheel Sensors used for train detection as well as by Infrastructure Managers/Infrastructure Companies and National Safety Authorities, who are responsible for introducing and certifying new train detection systems. This European Standard specifies the basic parameters of Axle Counter systems associated with the magnetic field limits for RST in the context of interoperability defined in the form of Frequency Management. The bands and limits currently defined in the Frequency Management are controlled by the European Railway Agency.

Keel: en

Alusdokumendid: EN 50617-2:2015

### **EVS-EN 60079-18:2015**

#### **Plahvatusohtlikud keskkonnad. Osa 18: Seadmete kaitse kapseldusega "m" Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"**

This part of IEC 60079 gives the specific requirements for the construction, testing and marking of electrical equipment, parts of electrical equipment and Ex components with the type of protection encapsulation "m" intended for use in explosive gas atmospheres or explosive dust atmospheres. This part applies only for encapsulated electrical equipment, encapsulated parts of electrical equipment and encapsulated Ex components (hereinafter always referred to as "m" equipment) where the rated voltage does not exceed 11 kV. The application of electrical equipment in atmospheres, which may contain explosive gas as well as combustible dust simultaneously, may require additional protective measures. This standard does not apply to dusts of explosives, which do not require atmospheric oxygen for combustion, or to pyrophoric substances. This standard does not take account of any risk due to an emission of flammable or toxic gas from the dust. This standard supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of this standard takes precedence.

Keel: en

Alusdokumendid: EN 60079-18:2015; IEC 60079-18:2014

Asendab dokumenti: EVS-EN 60079-18:2010

## **EVS-EN 60079-32-2:2015**

### **Explosive atmospheres - Part 32-1: Electrostatic hazards - Tests**

This part of IEC 60079 describes test methods concerning the equipment, product and process properties necessary to avoid ignition and electrostatic shock hazards arising from static electricity. It is intended for use in a risk assessment of electrostatic hazards or for the preparation of product family or dedicated product standards for electrical or non-electrical machines or equipment. The purpose of this part of IEC 60079 is to provide standard test methods used for the control of static electricity, such as surface resistance, earth leakage resistance, powder resistivity, liquid conductivity, capacitance and evaluation of the incendivity of provoked discharges. It is especially intended for use with existing standards of the IEC 60079 series. NOTE IEC TS 60079-32-1, Explosive atmospheres – Part 32-1: Electrostatic hazards, guidance, was published in 2013. This international standard is not intended to supersede standards that cover specific products and industrial situations. This part of IEC 60079 presents the latest state of knowledge which may, however, slightly differ from requirements in other standards, especially concerning test climates. When a requirement of this standard conflicts with a requirement specified in IEC 60079-0, to avoid the possibility of re-testing previously approved equipment, the requirement in IEC 60079-0 applies only for equipment within the scope of IEC 60079-0. In all other cases, the statements in this part of IEC 60079 apply.

Keel: en

Alusdokumendid: EN 60079-32-2:2015; IEC 60079-32-2:2015

## **EVS-EN 60079-5:2015**

### **Plahvatusohtlikud keskkonnad. Osa 5: Seadmete kaitse pulbertäite abil "q" Explosive atmospheres - Part 5: Equipment protection by powder filling "q"**

This part of IEC 60079 contains specific requirements for the construction, testing and marking of electrical equipment, parts of electrical equipment and Ex components in the type of protection powder filling "q", intended for use in explosive gas atmospheres. NOTE 1 Electrical equipment and Ex components protected by powder filling "q" may contain electronic circuits, transformers, protection fuses, relays, intrinsically safe electrical apparatus, associated electrical apparatus, switches, etc. NOTE 2 Type of protection powder filling "q" provides equipment protection level (EPL) Gb. For further information, see Annex A. This standard supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this standard conflicts with a requirement of IEC 60079-0, the requirement of this standard will take precedence. This standard applies to electrical equipment, parts of electrical equipment and Ex components with: - a rated supply current less than or equal to 16 A; – a rated supply voltage less than or equal to 1 000 V; – a rated power consumption less than or equal to 1 000 W.

Keel: en

Alusdokumendid: EN 60079-5:2015; IEC 60079-5:2015

Asendab dokumenti: EVS-EN 60079-5:2007

## **EVS-EN 60127-1:2006/A2:2015**

### **Väikesulavkaitsmed. Osa 1: Väikesulavkaitsmete määratlused ja üldnõuded väikesulavpanustele**

#### **Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links**

Amendment to EN 60127-1:2006

Keel: en

Alusdokumendid: IEC 60127-1:2006/A2:2015; EN 60127-1:2006/A2:2015

Muudab dokumenti: EVS-EN 60127-1:2006

## **EVS-EN 60317-40:2015**

### **Specifications for particular types of winding wires - Part 40: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200**

This part of IEC 60317 specifies the requirements of glass-fibre braided impregnated, bare, grade 1 or grade 2 enamelled rectangular copper winding wire, temperature index 200. NOTE For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

Keel: en

Alusdokumendid: EN 60317-40:2015; IEC 60317-40:2015

Asendab dokumenti: EVS-EN 60317-40:2002

Asendab dokumenti: EVS-EN 60317-40:2002/A2:2006

## **EVS-EN 60598-2-22:2014/AC:2015**

### **Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting**

Corrigendum to 60598-2-22:2014

Keel: en

Alusdokumendid: EN 60598-2-22:2014/AC:2015

Parandab dokumenti: EVS-EN 60598-2-22:2014

## **EVS-EN 61243-3:2014/AC:2015**

### **Live working - Voltage detectors - Part 3: Two-pole low-voltage type**

Corrigendum to EN 61243-3:2014

Keel: en  
Alusdokumendid: EN 61243-3:2014/AC:2015  
Parandab dokumenti: EVS-EN 61243-3:2014

### **EVS-EN 61810-1:2015**

#### **Electromechanical elementary relays - Part 1: General and safety requirements**

IEC 61810-1:2015 applies to electromechanical elementary relays (non-specified time all-or-nothing relays) for incorporation into low voltage equipment (circuits up to 1 000 V alternate current or 1 500 V direct current). It defines the basic functional and safety requirements and safety-related aspects for applications in all areas of electrical engineering or electronics, such as: general industrial equipment, electrical facilities, electrical machines, electrical appliances for household and similar use, information technology and business equipment, building automation equipment, automation equipment, electrical installation equipment, medical equipment, control equipment, telecommunications, vehicles, transportation (e.g. railways). Compliance with the requirements of this standard is verified by the type tests indicated. In case the application of a relay determines additional requirements exceeding those specified in this standard, the relay should be assessed in line with this application in accordance with the relevant IEC standard(s). This fourth edition cancels and replaces the third edition published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - two main test procedures were introduced: procedure A, reflecting the procedure known from Edition 3 of this standard and procedure B, reflecting the assessment according to North American requirements; - inclusion of dedicated device application tests especially relevant for applications in the North American Market (see Clause D.1); - introduction of testing under single mounting condition; - clarification of insulation requirements after endurance testing; - inclusion of provisions for basic safety requirements; - update of references.

Keel: en  
Alusdokumendid: IEC 61810-1:2015; EN 61810-1:2015  
Asendab dokumenti: EVS-EN 61810-1:2008

### **EVS-EN 61810-3:2015**

#### **Electromechanical elementary relays - Part 3: Relays with forcibly guided (mechanically linked) contacts**

IEC 61810-3:2015 specifies special requirements and tests for elementary relays with forcibly guided contacts, also known as mechanically linked contacts. These special requirements apply in addition to the general requirements of IEC 61810-1.

Keel: en  
Alusdokumendid: IEC 61810-3:2015; EN 61810-3:2015  
Asendab dokumenti: EVS-EN 50205:2002

### **EVS-EN 61811-1:2015**

#### **Electromechanical telecom elementary relays of assessed quality - Part 1: Generic specification and blank detail specification**

IEC 61811-1:2015 applies to electromechanical telecom elementary relays. Relays according to this standard are provided for the operation in telecommunication applications. However, as electromechanical elementary relays, they are also suitable for particular industrial and other applications. This standard selects from IEC 61810 series and other sources the appropriate methods of test to be used in detail specifications derived from this specification, and contains basic test schedules to be used in the preparation of such specifications in accordance with this standard. Detailed test schedules are contained in the detail specifications. This second edition of IEC 61811-1 cancels and replaces IEC 61811-1 published in 1999, IEC 61811-10 published in 2002, IEC 61811-11 published in 2002, IEC 61811-50 published in 2002, IEC 61811-51 published in 2002, IEC 61811-52 published in 2002, IEC 61811-53 published in 2002, IEC 61811-54 published in 2002, IEC 61811-55 published in 2002, and constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous editions: a) to get one document for telecom relays; b) update all relevant references.

Keel: en  
Alusdokumendid: IEC 61811-1:2015; EN 61811-1:2015  
Asendab dokumenti: EVS-EN 61811-1:2002  
Asendab dokumenti: EVS-EN 61811-10:2003  
Asendab dokumenti: EVS-EN 61811-11:2003  
Asendab dokumenti: EVS-EN 61811-50:2003  
Asendab dokumenti: EVS-EN 61811-51:2003  
Asendab dokumenti: EVS-EN 61811-52:2003  
Asendab dokumenti: EVS-EN 61811-53:2003  
Asendab dokumenti: EVS-EN 61811-54:2003  
Asendab dokumenti: EVS-EN 61811-55:2003

### **EVS-EN 62026-3:2015**

#### **Madalpingelised lülitusaparaadid. Kontrolleri ja aparaadi vahelised liidesed. Osa 3: Seadmevõrk**

#### **Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 3: DeviceNet**

This part of IEC 62026 specifies an interface system between single or multiple controllers, and control circuit devices or switching elements. The interface system uses two conductor pairs within one cable – one of these pairs provides a differential communication medium and the other pair provides power to the devices. This part establishes requirements for the interoperability of components with such interfaces. This part of IEC 62026 specifies the following particular requirements for

DeviceNet: – requirements for interfaces between controllers and switching elements; – normal service conditions for devices; – constructional and performance requirements; – tests to verify conformance to requirements. These particular requirements apply in addition to the general requirements of IEC 62026-1.

Keel: en

Alusdokumendid: EN 62026-3:2015; IEC 62026-3:2014

Asendab dokumenti: EVS-EN 62026-3:2009

### **EVS-EN 62110:2010/AC:2015**

#### **Electric and magnetic field levels generated by AC power systems - Measurement procedures with regard to public exposure**

Corrigendum to EN 62110:2009

Keel: en

Alusdokumendid: EN 62110:2009/AC:2015

Parandab dokumenti: EVS-EN 62110:2010

### **EVS-EN 62747:2014/AC:2015**

#### **Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems**

Corrigendum to EN 62747:2014

Keel: en

Alusdokumendid: EN 62747:2014/AC:2015

Parandab dokumenti: EVS-EN 62747:2014

### **EVS-EN 62776:2015**

#### **Kahesokililised leedlambid sirgete luminofoorlampide asendamiseks. Ohutusnõuded Double-capped LED lamps for general lighting services - Safety specifications**

This International Standard specifies the safety and interchangeability requirements, and the exchange operation together with the test methods and conditions required to show compliance of double-capped LED lamps with G5 and G13 caps, intended for replacing fluorescent lamps with the same caps, having: – a rated power up to 60 W; – a rated voltage of up to 250 V; Such LED lamps are designed for replacement without requiring any modification of the luminaire. The existing luminaires into which the double-capped LED lamps are fitted, can be operated with electromagnetic or electronic controlgear. The requirements of this standard relate only to type testing. Recommendations for whole product testing or batch testing are given in Annex A. NOTE 1 Where in this standard the term "lamp(s)" is used, it is understood to stand for "double-capped LED lamp(s)", except where it is obviously assigned to other types of lamps. This standard does not cover double-capped conversion LED lamps where modification in the luminaire construction are required. The requirements in this standard are given for general lighting service (excluding e.g. explosive atmospheres). For lamps for other applications additional requirements may apply.

Keel: en

Alusdokumendid: EN 62776:2015; IEC 62776:2014; IEC 62776:2014/cor1:2015

## **31 ELEKTROONIKA**

### **EVS-EN 140402:2015**

#### **Blank Detail Specification: Fixed low power wirewound surface mount (SMD) resistors**

Various parameters of this component are precisely defined in this specification. Unspecified parameters may vary from one component to another.

Keel: en

Alusdokumendid: EN 140402:2015

Asendab dokumenti: EVS-EN 140402:2002

### **EVS-EN 140402-801:2015**

#### **Detail specification: Fixed low power wirewound surface mount (SMD) resistors - Rectangular - Stability classes 0,5; 1; 2**

Various parameters of this component are precisely defined in this specification. Unspecified parameters may vary from one component to another.

Keel: en

Alusdokumendid: EN 140402-801:2015

Asendab dokumenti: EVS-EN 140402-801:2005

### **EVS-EN 60747-5-5:2011/A1:2015**

#### **Semiconductor devices - Discrete devices - Part 5-5: Optoelectronic devices - Photocouplers**

Amendment to EN 60747-5-5:2011

Keel: en

Alusdokumendid: IEC 60747-5-5:2007/A1:2013; EN 60747-5-5:2011/A1:2015

Muudab dokumenti: EVS-EN 60747-5-5:2011

**CWA 16871-1:2015****Requirements and Recommendations for Assurance in Cloud Security - Part 1: Contributed recommendations from European projects**

CWA Recommendations for Assurance in Cloud Security (RACS) promotes recommendations on security assurance management in the context of auditing and certification of cloud-based services and systems. The recommendations in the present document have been collected from a number of EU research pioneer projects in cloud assurance and from RACS target different stakeholders (policy makers, industry and final users) interested in upcoming challenges concerning cloud security assurance. The focus of CWA RACS is mainly on the type of assurance and assessment activities that can be done without the physical presence of an auditor and at any point in time.

Keel: en

Alusdokumendid: CWA 16871-1:2015

**CWA 16874:2015****Verification of performance levels of EGNOS Enabled mass-market receivers**

The purpose of this document is to define a technical specification and the test suite in order to perform evaluation processes to guarantee that a product can be labelled as "EGNOS Enabled". The main goal of the EGNOS labelling scheme is to assess that user equipment uses EGNOS in their location and timing services. Therefore, the essential requirement for a product is to compute the EIPVT (EGNOS Improved Position Velocity Time). The scope of the document is EGNOS capable products for mass market applications using EGNOS Open Service and/or EDAS. In the context of this CWA, mass market users are understood as non-safety/non-liability critical and non-professional users. The considered products are chipsets, terminals and applications.

Keel: en

Alusdokumendid: CWA 16874:2015

**EVS-EN 16494:2015****Railway applications - Requirements for ERTMS Trackside Boards**

This European Standard defines the requirements for the provision, visibility, readability, maintenance and testing of a specific set of ERTMS trackside boards associated with the following DMI and ETCS track conditions: - ETCS stop marker; - ETCS location marker, the trackside ETCS signal to identify a specific location on the line; - level transition, corresponding to transitions between ETCS levels; - lower pantograph; - pantograph lowered; - raise pantograph; - neutral section announcement; - neutral section; - end of neutral section; - GSM-R network border marker. This European Standard includes the arrangement of the boards and their interface with existing systems (track, cab design including cab sight lines, visibility by the driver and train head lamps). NOTE 1 The ETCS and GSM-R signs are needed when the information normally associated with the DMI symbols is provided at the trackside. NOTE 2 The application of ERTMS trackside boards is not within the scope of this standard. Sighting requirements are not included within the scope of this standard. Sighting requirements for the boards may be different according to their level of authority: marker boards 'End of Authority' need to be treated with the same level of authority as a signal and may have enhanced sighting requirements; the remaining boards may be sighted as generic signage sighting rules. The sighting process needs to be implemented in accordance with national safety rules.

Keel: en

Alusdokumendid: EN 16494:2015

**EVS-EN 55014-2:2015****Elektromagnetiline ühilduvus. Nõuded majapidamismasinatete, elektrilistele tööriistadele ja nendesarnaste seadmetele. Osa 2: Häiringukindlus. Tooteperekonna standard  
Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard**

This part of CISPR 14 deals with the electromagnetic immunity of appliances and similar apparatus for household and similar purposes that use electricity, as well as electric toys and electric tools, the rated voltage of the apparatus being not more than 250 V for single-phase apparatus to be connected to phase and neutral, and 480 V for other apparatus. Apparatus may incorporate motors, heating elements or their combination, may contain electric or electronic circuitry, and may be powered by the mains, by transformer, by batteries, or by any other electrical power source. Apparatus not intended for household use, but which nevertheless may require the immunity level, such as apparatus intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard, as far as they are included in CISPR 14-1. In addition, the following are also included in the scope of this standard: – microwave ovens for domestic use and catering; – cooking hobs and cooking ovens, heated by means of r.f. energy, – (single- and multiple-zone) induction cooking appliances; – appliances for personal care equipped with radiators in the range from UV to IR, inclusive (this includes visible light); – power supplies and battery chargers provided with or intended for apparatus within the scope of this standard.

Keel: en

Alusdokumendid: EN 55014-2:2015; CISPR 14-2:2015

Asendab dokumenti: EVS-EN 55014-2:2001

Asendab dokumenti: EVS-EN 55014-2:2001/A1:2002

Asendab dokumenti: EVS-EN 55014-2:2001/A2:2008

Asendab dokumenti: EVS-EN 55014-2:2001/IS1:2009

### **EVS-EN 61280-2-2:2012/AC:2015**

#### **Fibre optic communication subsystem test procedures - Part 2-2: Digital systems - Optical eye pattern, waveform and extinction ratio measurement**

Corrigendum to EN 61280-2-2:2012

Keel: en

Alusdokumendid: EN 61280-2-2:2012/AC:2015

Parandab dokumenti: EVS-EN 61280-2-2:2012

### **EVS-EN 61300-2-50:2007/AC:2015**

#### **Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-50: Tests - Fibre optic connector proof test with static load - Singlemode and multimode**

Corrigendum to EN 61300-2-50:2007

Keel: en

Alusdokumendid: EN 61300-2-50:2007/AC:2015

Parandab dokumenti: EVS-EN 61300-2-50:2007

### **EVS-EN 61300-2-51:2007/AC:2015**

#### **Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-51: Tests - Fibre optic connector test for transmission with applied tensile load - Singlemode and multimode**

Corrigendum to EN 61300-2-51:2007

Keel: en

Alusdokumendid: EN 61300-2-51:2007/AC:2015

Parandab dokumenti: EVS-EN 61300-2-51:2007

### **EVS-EN 61300-3-50:2013/AC:2015**

#### **Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-50: Examinations and measurements - Crosstalk for optical spatial switches**

Corrigendum to 61300-3-50:2013

Keel: en

Alusdokumendid: EN 61300-3-50:2013/AC:2015

Parandab dokumenti: EVS-EN 61300-3-50:2013

### **EVS-EN 62325-451-4:2015**

#### **Framework for energy market communications - Part 451-4: Settlement and reconciliation business process, contextual and assembly models for European market**

IEC 62325-451-4:2014 specifies a package for the settlement and reconciliation business process and the associated document contextual model, assembly model and XML schema for use within European style markets. The relevant aggregate core components (ACCs) defined in IEC 62325-351 have been contextualised into aggregated business information entities (ABIEs) to satisfy the requirements of this business process. The contextualised ABIEs have been assembled into the relevant document contextual models. Related assembly models and XML schema for the exchange of information between market participants are automatically generated from the assembled document contextual models. This International Standard provides a uniform layout for the transmission of aggregated data in order to settle the electricity market.

Keel: en

Alusdokumendid: IEC 62325-451-4:2014; EN 62325-451-4:2015

### **EVS-EN 62325-451-5:2015**

#### **Framework for energy market communications - Part 451-5: Problem statement and status request business processes, contextual and assembly models for European market**

IEC 62325-451-5:2015 is based on the European style market profile (IEC 62325-351) and specifies a package for the problem statement and status request business processes and the associated document contextual models, assembly models and XML schema for use within European style markets. The relevant aggregate core components (ACCs) defined in IEC 62325-351 have been contextualised into aggregated business information entities (ABIEs) to satisfy the requirements of this business process.

Keel: en

Alusdokumendid: IEC 62325-451-5:2015; EN 62325-451-5:2015

### **EVS-EN 62368-1:2014/AC:2015**

#### **Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, modified)**

Corrigendum to EN 62368-1:2014

Keel: en  
Alusdokumendid: EN 62368-1:2014/AC:2015  
Parandab dokumenti: EVS-EN 62368-1:2014

## 35 INFOTEHNOLOOGIA. KONTORISEADMED

### CEN ISO/TS 19321:2015

#### **Intelligent transport systems - Cooperative ITS - Dictionary of in-vehicle information (IVI) data structure (ISO/TS 19321:2015)**

This TS specifies the In-Vehicle Information (IVI) data structures that are required by different ITS services (e.g. In-vehicle Signage such as Contextual Speed, Road Works Warning, Vehicle restrictions, lane restrictions, Road Hazard Warning, Rerouting) to transmit information between ITS Stations (I2V). The information will be specified in terms such as content / data elements and data structures. A general data structure that is future proof and extensible will be specified. A split into sub-structures will be done. The data structures are to be specified as communications agnostic. The TS needs to identify groups of potential communication services (e.g. broadcast) such as existing delivery mechanisms used by e.g. TPEG, DATEX II. This Technical Specification will not provide the communication protocols.

Keel: en  
Alusdokumendid: ISO/TS 19321:2015; CEN ISO/TS 19321:2015

### CEN/TR 15449-5:2015

#### **Geographic information - Spatial data infrastructures - Part 5: Validation and testing**

This part of the Technical Report provides guidance for validation and testing of data, metadata and services, as the main Spatial Data Infrastructure (SDI) components defined in other parts of CEN/TR 15449. The guidance is given by means of examples of the validation and testing process required to assure conformance with the requirements existing in the relevant standards and guidelines.

Keel: en  
Alusdokumendid: CEN/TR 15449-5:2015

### CEN/TS 16702-2:2015

#### **Elektroniline maksukogumine. Turvaline seire autonoomsetele tollisüsteemidele. Osa 2: Kindel registraator**

#### **Electronic fee collection - Secure monitoring for autonomous toll systems - Part 2: Trusted recorder**

This Technical Specification defines the requirements for the Secure Application Module (SAM) used in the secure monitoring compliance checking concept. It specifies two different configurations of a SAM: — Trusted Recorder, for use inside an OBE; — Verification SAM, for use in other EFC system entities. The Technical Specification describes — terms and definitions used to describe the two Secure Application Module configurations; — operation of the two Secure Application Modules in the secure monitoring compliance checking concept; — functional requirements for the two Secure Application Modules configurations, including a classification of different security levels; — the interface, by means of transactions, messages and data elements, between an OBE or Front End and the Trusted Recorder; — requirements on basic security primitives and key management procedures to support Secure Monitoring using a Trusted Recorder. This Technical Specification is consistent with the EFC architecture as defined in ISO 17573 and the derived suite of standards and Technical Specifications, especially CEN/TS 16702-1:2014 and CEN/TS 16439. The following is outside the scope of this Technical Specification: — The life cycle of a Secure Application Module and the way in which this is managed. — The interface commands needed to get a Secure Application Module in an operational state. — The interface definition of the Verification SAM. — Definition of a hardware platform for the implementation of a Secure Application Module

Keel: en  
Alusdokumendid: CEN/TS 16702-2:2015

### CEN/TS 419261:2015

#### **Security requirements for trustworthy systems managing certificates and time-stamps**

1.1 General This Technical Specification establishes security requirements for TWSs that can be used by a TSP in order to issue QCs and Non-Qualified Certificates (NQC)s as well as electronic time-stamps in accordance with Dir.1999/93/EC and with [Reg.910/2014/EU]. Security requirements for the Subject Device Provision Service, which includes SCDev/QSCD provision to subjects, are defined in this TS. However, requirements specific to SCDev/QSCD devices, as used by subjects of the TSP, are outside the scope of this TS. These requirements are defined as Common Criteria [CC] Protection Profiles (PP) in the EN 41921 1 series. Recommendations for the cryptographic algorithms to be supported by TWSs are provided in ETSI/TS 119 312. Although this TS is based on the use of public key cryptography, it does not require or define any particular communication protocol or format for electronic signatures, certificates, certificate revocation lists, certificate status information and time-stamp tokens. It only assumes certain types of information to be present in the certificates in accordance with Annex I of Dir.1999/93/EC and of [Reg.910/2014/EU]. Interoperability between TSP systems and subject systems is outside the scope of this document. The use of TWSs that are already compliant to relevant security requirements of this TS should support TSPs in reducing their burden to establish conformance of their policy to ETSI TS 119 411-1, 119 411-2, and 119 421 (or equivalent ENs to be subsequently published) and in meeting the Annex I and Annex II requirements of Dir.1999/93/EC as well as the requirements from Annex I and Article 24.2 (e) of [Reg.910/2014/EU]. 1.2 European Regulation-specific The main focus of this document is on the requirements in Article 24.2 (e) of [Reg.910/2014/EU] whilst still facilitating the meeting of requirements in Dir.1999/93/EC, Annex II (f). In considering [Reg.910/2014/EU] it is important to take into account the following requirements of particular relevance to TSP trustworthy systems: a) Article 24.2 (f) – “use trustworthy systems to store data provided to it, in a verifiable form so that: (i)

they are publicly available for retrieval only where the consent of the person to whom the data relates has been obtained, (ii) only authorised persons can make entries and changes to the stored data, (iii) the data can be checked for authenticity"; b) Article 24.2 (g) – "take appropriate measures against forgery and theft of data"; c) Article 24.2 (h) – "record and keep accessible for an appropriate period of time, including after the activities of the qualified trust service provider have ceased, all relevant information concerning data issued and received by the qualified trust service provider, in particular, for the purpose of providing evidence in legal proceedings and for the purpose of ensuring continuity of the service. Such recording may be done electronically"; d) Article 24.2 (j) – "ensure lawful processing of personal data in accordance with Directive 95/46/EC"; e) Article 24.2 (k) – "in case of qualified trust service providers issuing qualified certificates, establish and keep updated a certificate database"; f) Article 24.3 – "If a qualified trust service provider issuing qualified certificates decides to revoke a certificate, it shall register such revocation in its certificate database and publish the revocation status of the certificate in a timely manner, and in any event within 24 hours after the receipt of the request. The revocation shall become effective immediately upon its publication"; g) Article 24.4 – "With regard to paragraph 3, qualified trust service providers issuing qualified certificates shall provide to any relying party information on the validity or revocation status of qualified certificates issued by them.

Keel: en

Alusdokumendid: CEN/TS 419261:2015

### **CLC/TR 50174-99-1:2015**

#### **Information technology - Cabling installation - Part 99-1: Remote powering**

This Technical Report defines requirements and recommendations concerning limits for the application and operation of remote powering using cabling comprising balanced cabling components of Category 5 (minimum) as defined in EN 50173-1. This Technical Report also describes: - a set of specific implementations which are the basis of a mathematical model for the temperature increases in bundles of cables under remote powering conditions; - a matching testing protocol used to provide data for the mathematical model; NOTE The testing protocol was established in order to enable comparison of data from different sources in order to support the development of the mathematical model and to develop appropriate planning and installation rules as suggested by different installation conditions. It is not the role of CLC/TR 215 to develop test methods for balanced, or other, cables and the protocol defined in Annex B is not as such a test method. - the mathematical model that is employed as the basis for the resulting requirements and recommendations. Safety (electrical safety and protection, optical power, fire, etc.) and electromagnetic compatibility (EMC) requirements are outside the scope of this Technical Report and are covered by standards and regulations. However, information given in this Technical Report may be of assistance in meeting these standards and regulations.

Keel: en

Alusdokumendid: CLC/TR 50174-99-1:2015

### **CLC/TS 50568-4:2015**

#### **Electricity metering data exchange - Part 4: Lower layer PLC profile using SMITP B-PSK modulation**

This Technical Specification specifies the characteristics of the profile related to Physical and Data Link Layers for communications on LV distribution network between a Concentrator (master node) and one or more slave nodes. The following prescriptions are applied to groups of devices that communicate using low voltage network. Each section of the network is composed by one Concentrator (acting as the master of the section), and one or more primary nodes (A-Nodes). Every A-Node can optionally be associated to one secondary node (B-Node).

Keel: en

Alusdokumendid: CLC/TS 50568-4:2015

### **CLC/TS 50568-8:2015**

#### **Electricity metering data exchange - The DLMS/COSEM suite - Part 8: SMITP B-PSK PLC communication profile for neighbourhood networks - Including: The Original-SMITP PLC B-PSK communication profile, The Original-SMITP Local data exchange profile and The Original-SMITP IP communication profile**

This Technical Specification contains 4 profile specifications: • the DLMS/COSEM SMITP B-PSK PLC Profile (clause 4) • the Original-SMITP B-PSK PLC Profile (clause 5) • the Original-SMITP IP Profile (clause 6) • the Original-SMITP Local data exchange profile (clause 7) The DLMS/COSEM SMITP B-PSK profile defines the use of the CLC/FprTS 50568-4 communication protocol and methods to access and exchange data modelled by the COSEM objects of EN 62056 6 2 via the EN 62056-5-3 application layer. This section forms part of the DLMS/COSEM suite as described in FprEN 62056-1-0. NOTE In the following, the expression Original-SMITP refers to the open protocol originally developed and maintained by the Meters and More Open Technologies association (see Foreword). The Original-SMITP Profiles define the access and exchange of data modelled by the Original-SMITP data model (clause 9) using the Original-SMITP application services (Clause 8). The "Original-SMITP" specifications refer to smart metering system specifications defined prior to the availability of the DLMS/COSEM SMITP B-PSK PLC Profile. The "Original-SMITP" specifications do not form part of the DLMS/COSEM suite of EN 62056.

Keel: en

Alusdokumendid: CLC/TS 50568-8:2015

### **CLC/TS 50590:2015**

#### **Electricity metering data exchange - Lower layer PLC profile using Adaptive Multi Carrier Spread-Spectrum (AMC-SS) modulation**

This Technical Specification specifies the physical layer, medium access control layer and logical link control layer for communication on an electrical distribution network between a master node and one or more slave nodes using adaptive multi-

carrier spread spectrum (AMC SS) technique. The adaptive cellular communication network technology provided in this specification may be used for automated meter reading as well as for other distribution network applications.

Keel: en

Alusdokumendid: CLC/TS 50590:2015

### **CLC/TS 52056-8-4:2015**

#### **Electricity metering data exchange - The DLMS/COSEM suite - Part 8-4: Narrow-band OFDM PRIME PLC communication profile for neighbourhood networks**

This Technical Specification is part of the EN 62056 / 52056 DLMS/COSEM suite and it specifies the DLMS/COSEM communication profiles for power line carrier neighbourhood networks using the modulation specified in ITU-T G.9904:2012. There are three profiles specified: - a profile using the EN 61334-4-32:1996 LLC layer; - a profile using TCP-UDP/IPv4; - a profile using TCP-UDP/IPv6.

Keel: en

Alusdokumendid: CLC/TS 52056-8-4:2015

### **CLC/TS 52056-8-5:2015**

#### **Electricity metering data exchange - The DLMS/COSEM suite - Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks**

This Technical Specification specifies the EN 62056 DLMS/COSEM communication profile for metering purposes based on the Recommendations ITU-T G.9901: Narrowband Orthogonal Frequency Division Multiplexing Power Line Communication Transceivers – Power Spectral Density Specification and ITU-T G.9903 Narrow-band orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks, an Orthogonal Frequency Division Multiplexing (OFDM) Power Line Communications (PLC) protocol. The physical layer provides a modulation technique that efficiently utilizes the allowed bandwidth within the CENELEC A band (3 kHz – 95 kHz) (although ITU-T G.9903 defines the protocol for CENELEC B, ARIB and FCC bands as well), thereby allowing the use of advanced channel coding techniques. This combination enables a very robust communication in the presence of narrowband interference, impulsive noise, and frequency selective attenuation. The medium access control (MAC) layer allows the transmission of MAC frames through the use of the power line physical channel. It provides data services, frame validation control, node association and secure services. The 6LoWPAN adaptation sublayer enables an efficient interaction between the MAC and the IPv6 network layers. The IPv6 network protocol; the latest generation of IP (Internet Protocol), widely opens the range of potential applications and services for metering purposes (but not limited to metering purposes). The transport layer, the application layer and the data model are as specified in the EN 62056 DLMS/COSEM suite.

Keel: en

Alusdokumendid: CLC/TS 52056-8-5:2015

### **CLC/TS 52056-8-7:2015**

#### **Electricity metering data exchange - The DLMS/COSEM suite - Part 8-7: AMC-SS PLC communication profile for neighbourhood networks**

This Technical Specification is part of the EN 62056 / 52056 DLMS/COSEM suite and specifies the DLMS/COSEM communication profile for compatibly extendable power line carrier neighbourhood networks using Adaptive Multi-Carrier Spread-Spectrum (AMC-SS). The physical layer provides a modulation technique that efficiently utilizes the allowed bandwidth within the CENELEC A band (3 kHz – 95 kHz), offering a very robust communication in the presence of narrowband interference, impulsive noise, and frequency selective attenuation. The physical layer of AMC-SS is defined in Clause 5 of CLC/FprTS 50590:2014. The data link (DL) layer consists of three parts, the 'Medium Access Control' (MAC) sub-layer, the Logical Link Control (LLC) sub-layer and the 'Convergence' sub-layer. The data link layer allows the transmission of data frames through the use of the power line physical channel. It provides data services, frame integrity control, routing, registration, multiple access, and cell change functionality. The MAC sub-layer and the LLC sub-layer of AMC-SS are defined in Clause 6 of CLC/FprTS 50590:2014. The Convergence sub-layer is defined in this document. The transport layer, the application layer and the data model are as specified in the EN 62056 DLMS/COSEM suite.

Keel: en

Alusdokumendid: CLC/TS 52056-8-7:2015

### **EVS-EN 1545-1:2015**

#### **Identification card systems - Surface transport applications - Part 1: Elementary data types, general code lists and general data elements**

This European Standard specifies data formats, data elements, data types and data elements with associated codelists for general use within surface transport applications (STAs) on ICs. The mechanism for how to establish the application context, including the decision of which encoding rules to use, is outside the scope of this European Standard.

Keel: en

Alusdokumendid: EN 1545-1:2015

Asendab dokumenti: EVS-EN 1545-1:2005

### **EVS-EN 1545-2:2015**

#### **Identification card systems - Surface transport applications - Part 2: Transport and travel payment related data elements and code lists**

This European Standard specifies data formats, data elements and data elements with associated code lists for use within Surface Transport Applications on ICs. This European Standard defines those data elements and code lists related to transport and travel

payment and the specific data elements needed for low memory capacity ICs. The mechanism for how to establish the application context, including the decision of which encoding rules to use, is outside the scope of this European Standard.

Keel: en

Alusdokumendid: EN 1545-2:2015

Asendab dokumenti: EVS-EN 1545-2:2005

### **EVS-EN 15722:2015**

#### **Intelligent transport systems - ESafety - ECall minimum set of data**

This European Standard specifies the standard data concepts that comprise the "Minimum Set of Data" (MSD) to be transferred from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency via an 'eCall' communication transaction. Optional additional data concepts may also be transferred. The communications media protocols and methods for the transmission of the eCall message are not specified in this European Standard.

Keel: en

Alusdokumendid: EN 15722:2015

Asendab dokumenti: EVS-EN 15722:2011

### **EVS-EN 16062:2015**

#### **Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks**

In respect of pan-European eCall (operating requirements defined in EN 16072), this European Standard defines the high level application protocols, procedures and processes required to provide the eCall service using a TS12 emergency call over a mobile communications network. NOTE 1 The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same quality of services objectives by using a PLMN (such as ETSI prime medium) which supports the European harmonized 112/E112 emergency number (TS12 ETSI/TS 122 003) and to provide a means of manually triggering the notification of an emergency incident. NOTE 2 HLAP requirements for third party services supporting eCall can be found in EN 16102, and have been developed in conjunction with the development of this work item, and is consistent in respect of the interface to the PSAP. This deliverable makes reference to those provisions but does not duplicate them.

Keel: en

Alusdokumendid: EN 16062:2015

Asendab dokumenti: EVS-EN 16062:2011

### **EVS-EN 16072:2015**

#### **Intelligent transport systems - ESafety - Pan-European eCall operating requirements**

The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same quality of services objectives by using 'Public Land Mobile Networks'(PLMN) (such as GSM and UMTS), which supports the European pre-assigned emergency destination address (see normative references) and to provide a means of manually triggering the notification of an incident. This European Standard specifies the general operating requirements and intrinsic procedures for in-vehicle emergency call (eCall) services in order to transfer an emergency message from a vehicle to a Public Safety Answering Point (PSAP) in the event of a crash or emergency, via an eCall communication session and to establish a voice channel between the in-vehicle equipment and the PSAP. Private third party in-vehicle emergency supporting services may also provide a similar eCall function by other means. The provision of such services are defined in EN 16102, and are outside the scope of this European Standard. The communications protocols and methods for the transmission of the eCall message are not specified in this European Standard. This European Standard specifies the operating requirements for an eCall service. An important part of the eCall service is a Minimum Set of Data (MSD). The operating requirements for the MSD are determined in this European Standard, but the form and data content of the MSD is not defined herein. A common European MSD is determined in EN 15722. This European Standard does not specify whether eCall is provided using embedded equipment or other means (for example in the case of aftermarket equipment). Conformance

Keel: en

Alusdokumendid: EN 16072:2015

Asendab dokumenti: EVS-EN 16072:2011

### **EVS-EN 50600-2-4:2015**

#### **Information technology - Data centre facilities and infrastructures - Part 2-4: Telecommunications cabling infrastructure**

This European Standard addresses the wide range of telecommunications cabling infrastructures within data centres based upon the criteria and classifications for availability within EN 50600-1. This European Standard specifies requirements and recommendations for the following: a) information technology and network telecommunications cabling (e.g. SAN and LAN); b) general information technology cabling to support the operation of the data centre; c) telecommunications cabling to monitor and control, as appropriate, power distribution, environmental control and physical security of the data centre; d) other building automation cabling; e) pathways, spaces and enclosures for the telecommunications cabling infrastructures. Safety and electromagnetic compatibility (EMC) requirements are outside the scope of this European Standard and are covered by other standards and regulations. However, information given in this European Standard may be of assistance in meeting these standards and regulations.

Keel: en

Alusdokumendid: EN 50600-2-4:2015

### **EVS-EN 62368-1:2014/AC:2015**

#### **Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, modified)**

Corrigendum to EN 62368-1:2014

Keel: en

Alusdokumendid: EN 62368-1:2014/AC:2015

Parandab dokumenti: EVS-EN 62368-1:2014

### **EVS-EN 62656-3:2015**

#### **Standardized product ontology register and transfer by spreadsheets - Part 3: Interface for Common Information Model**

IEC 62656: "Standardized product ontology register and transfer by spreadsheets" is a series of International standards that collectively define the methods for transferring and registering the ontologies of various products and services to and from the ontology registries and applications based on IEC 61360-ISO13584 common data dictionary model. The IEC component data dictionary, or IEC CDD for short, is one of such registries maintained online as an IEC61360-4 International Standard based on IEC database procedure stipulated in "ISO/IEC Directives — Procedures specific to IEC. The IEC CDD is a cross-domain data dictionary covering all electro-technical products and services, maintained and updated by IEC SC3D, of which database infrastructure is administered by IEC Central Office. The Common Information Model defined in IEC61968/61970 series of standards, often called by its short name "CIM" provides a standard way to represent power system resources as object classes, attributes, along with their relationships. It is known as an information model for Energy Management System(EMS) of power grids and currently is recognized as a standard ontology model for Smart Grids. Also, some parts of the series collectively define an application programming interface (API) for EMS and are developed and maintained by IEC TC57. An ontology specification conformant to the CIM data model is available in UML format according to IEC61970-301, and in RDF format according to IEC61970-501. Given the series of standards, this part of IEC62656 specifies an interface between IEC62656 and IEC61968/61970. More specifically, this standard defines a formal mapping between the two series of standards in order to import the CIM ontology into the IEC CDD, and to ensure the interoperability of ontologies of two standards, or even among a wider spectrum of standards. For the basis of the mapping from CIM to POM, the UML representation of CIM is referenced.

Keel: en

Alusdokumendid: EN 62656-3:2015; IEC 62656-3:2015

### **EVS-ISO/IEC 10373-2:2015**

#### **Identifitseerimiskaardid. Katsemeetodid. Osa 2: Magnetribaga kaardid Identification cards — Test methods — Part 2: Cards with magnetic stripes (ISO/IEC 10373-2:2015)**

ISO/IEC 10373 defineerib identifitseerimiskaardide karakteristikute katsemeetodid vastavalt määratlusele standardis ISO/IEC 7810. Iga katsemeetod on ristviitega seotud ühe või enama põhistandardiga, näiteks ISO/IEC 7810, või ühe või enama lisastandardiga, mis määratlevad identifitseerimiskaardi rakendustes kasutatavad infosalvestustehnoloogiad. See ISO/IEC 10373 osa määratleb katsemeetodid, mis on magnetribatehnoloogiale spetsiifilised. MÄRKUS 1 Ohutustingimused ei moodusta osa sellest ISO/IEC 10373 osast, aga on leitavad ülalmainitud rahvusvahelistes standardites. MÄRKUS 2 Selles ISO/IEC 10373 osas kirjeldatud katsemeetodid on mõeldud eraldi läbiviimiseks. Üks konkreetne kaart ei pea järjest kõiki katseid läbima.

Keel: en

Alusdokumendid: ISO/IEC 10373-2:2015

Asendab dokumenti: EVS-ISO/IEC 10373-2:2007

## **43 MAANTEESÕIDUKITE EHITUS**

### **CEN ISO/TS 19321:2015**

#### **Intelligent transport systems - Cooperative ITS - Dictionary of in-vehicle information (IVI) data structure (ISO/TS 19321:2015)**

This TS specifies the In-Vehicle Information (IVI) data structures that are required by different ITS services (e.g. In-vehicle Signage such as Contextual Speed, Road Works Warning, Vehicle restrictions, lane restrictions, Road Hazard Warning, Rerouting) to transmit information between ITS Stations (I2V). The information will be specified in terms such as content / data elements and data structures. A general data structure that is future proof and extensible will be specified. A split into sub-structures will be done. The data structures are to be specified as communications agnostic. The TS needs to identify groups of potential communication services (e.g. broadcast) such as existing delivery mechanisms used by e.g. TPEG, DATEX II. This Technical Specification will not provide the communication protocols.

Keel: en

Alusdokumendid: ISO/TS 19321:2015; CEN ISO/TS 19321:2015

### **EVS-EN 1501-1:2011+A1:2015**

#### **Prügikogumissõidukid. Põhi- ja ohutusnõuded. Osa 1: Tagantlaadimisega prügikogumissõidukid**

#### **Refuse collection vehicles - General requirements and safety requirements - Part 1: Rear loaded refuse collection vehicles**

This European Standard applies to rear loaded refuse collection vehicles (RCV), as defined in 3.2. This European Standard deals with all significant hazards, hazardous situations and events relevant to the rear loaded RCV, when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer, throughout its foreseeable lifetime, as defined in Clause 4. This European Standard is applicable to the design and construction of the rear loaded RCV so as to ensure that it is fit for its function and can be operated, adjusted and maintained during its entire lifetime. It is not applicable to the end of life of the rear loaded RCV. This part 1 describes and defines the safety requirements of rear loaded RCVs excluding the interface tailgate/discharge door with the lifting device(s) and the lifting device(s) as illustrated in Figure A.1. Safety requirements for the lifting device(s) and the interface with the tailgate/discharge door are defined in EN 1501-5. This European Standard is not applicable to: - operation in severe conditions, e.g. extreme environmental conditions such as: - below - 25 °C and above + 40 °C temperatures; - tropical environment; - wind velocity in excess of 75 km/h; - contaminating environment; - corrosive environment; - operation in potentially explosive atmospheres; - handling of loads the nature of which could lead to dangerous situations (e.g. hot wastes, acids and bases, radioactive materials, contaminated waste, especially fragile loads, explosives); - operation on ships. This European Standard is not applicable to machinery which is manufactured before the date of publication of this document by CEN.

Keel: en  
Alusdokumendid: EN 1501-1:2011+A1:2015  
Asendab dokumenti: EVS-EN 1501-1:2011

## **EVS-EN 16072:2015**

### **Intelligent transport systems - ESafety - Pan-European eCall operating requirements**

The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same quality of services objectives by using 'Public Land Mobile Networks'(PLMN) (such as GSM and UMTS), which supports the European pre-assigned emergency destination address (see normative references) and to provide a means of manually triggering the notification of an incident. This European Standard specifies the general operating requirements and intrinsic procedures for in-vehicle emergency call (eCall) services in order to transfer an emergency message from a vehicle to a Public Safety Answering Point (PSAP) in the event of a crash or emergency, via an eCall communication session and to establish a voice channel between the in-vehicle equipment and the PSAP. Private third party in-vehicle emergency supporting services may also provide a similar eCall function by other means. The provision of such services are defined in EN 16102, and are outside the scope of this European Standard. The communications protocols and methods for the transmission of the eCall message are not specified in this European Standard. This European Standard specifies the operating requirements for an eCall service. An important part of the eCall service is a Minimum Set of Data (MSD). The operating requirements for the MSD are determined in this European Standard, but the form and data content of the MSD is not defined herein. A common European MSD is determined in EN 15722. This European Standard does not specify whether eCall is provided using embedded equipment or other means (for example in the case of aftermarket equipment). Conformance

Keel: en  
Alusdokumendid: EN 16072:2015  
Asendab dokumenti: EVS-EN 16072:2011

## **45 RAUDTEETEHNIKA**

## **EVS-EN 12930:2015**

### **Ohutusnõuded inimeste transportimiseks mõeldud kõisteepaigaldistele. Arvutused Safety requirements for cableway installations designed to carry persons - Calculations**

This document specifies the general safety requirements applicable to the calculations for cableway installations designed to carry persons. This document is applicable to the various types of cableway installations and takes into account their environment. This document contains: general requirements for calculations and their presentation; general requirements relating to the actions to be taken into account in the calculation of components as a basis for the requirements of the standards EN 13223, EN 13107, EN 12927 and EN 1908; requirements relating to verification of ropes by calculation; requirements relating to the determination of the drive power; requirements for the actions of the ropes and carriers on the support structures and for the deformations of these support structures. This document does not apply to installations for the transportation of goods nor to lifts.

Keel: en  
Alusdokumendid: EN 12930:2015  
Asendab dokumenti: EVS-EN 12930:2004

## **EVS-EN 13243:2015**

### **Safety requirements for cableway installations designed to carry persons - Electrical equipment other than for drive systems**

This document specifies safety requirements for electrical devices including application software, apart for those in drive systems, for cableway installations designed to carry persons. This document is applicable to the various types of cableway installations and takes into account their environment. It does not apply to complex electronics and embedded software. For complex electronics and embedded software, reference is made to the relevant publications e.g. IEC 61508. Electromagnetic compatibility (EMC) is not covered in this document; cableways and their components should comply with general requirements for EMC. For electrical devices which are part of drive systems, the requirements of those sections listed in the scope of EN 13223 as relating to drive systems should be observed. This standard contains requirements for the prevention of accidents and protection of workers. It does not apply to cableway installations for the transportation of goods by rope or to inclined lifts.

Keel: en  
Alusdokumendid: EN 13243:2015  
Asendab dokumenti: EVS-EN 13243:2004

### **EVS-EN 14752:2015**

#### **Raudteealased rakendused. Veeremi külguksesüsteemid Railway applications - Body side entrance systems for rolling stock**

This European Standard is applicable to passenger body side entrance systems of all newly designed railway vehicles such as tram, metro, suburban, mainline and high-speed trains that carry passengers. The requirements of this European Standard also apply to existing vehicles undergoing refurbishment of the door equipment, as far as it is reasonably practicable. This European Standard also specifies the requirements for testing of entrance systems. This European Standard makes reference to manual and power operated entrance systems. For manual doors, clauses referring to power operation are not applicable. This European Standard does not apply to the following: - entrance systems for equipment access, inspection or maintenance purposes and for crew only use; - doors on freight wagons; and - doors or hatches specifically provided for escape under emergency conditions.

Keel: en

Alusdokumendid: EN 14752:2015

Asendab dokumenti: EVS-EN 14752:2006

### **EVS-EN 50121-1:2015**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 1: Üldpõhimõtted Railway applications - Electromagnetic compatibility -- Part 1: General**

This Part 1 of the European standards series EN 50121 outlines the structure and the content of the whole set. It specifies the performance criteria applicable to the whole standards series. Clause 4 provides information about the EMC management. This part alone is not sufficient to give presumption of conformity to the essential requirements of the EMC-Directive and is intended to be used in conjunction with other parts of this standard. Annex A describes the characteristics of the railway system which affect electromagnetic compatibility (EMC) behaviour.

Keel: en

Alusdokumendid: EN 50121-1:2015

Asendab dokumenti: EVS-EN 50121-1:2006

Asendab dokumenti: EVS-EN 50121-1:2006/AC:2008

### **EVS-EN 50121-2:2015**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 2: Kogu raudteesüsteemist keskkonda eralduv kiirgus Railway applications - Electromagnetic compatibility -- Part 2: Emission of the whole railway system to the outside world**

This European Standard is intended to define the electromagnetic environment of the whole railway system including urban mass transit and light rail system. It describes the measurement method to verify the emissions, and gives the cartography values of the fields most frequently encountered. This European standard specifies the emission limits of the whole railway system to the outside world. The emission parameters refer to the particular measuring points defined in Clause 5. These emissions should be assumed to exist at all points in the vertical planes which are 10 m from the centre lines of the outer electrified railway tracks, or 10 m from the fence of the substations. Also, the zones above and below the railway system may be affected by electromagnetic emissions and particular cases shall be considered individually. These specific provisions are to be used in conjunction with the general provisions in EN 50121-1:2015.

Keel: en

Alusdokumendid: EN 50121-2:2015

Asendab dokumenti: EVS-EN 50121-2:2006

Asendab dokumenti: EVS-EN 50121-2:2006/AC:2008

### **EVS-EN 50121-3-1:2015**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-1: Veerem. Rong ja komplektveerem Railway applications - Electromagnetic compatibility -- Part 3-1: Rolling stock - Train and complete vehicle**

This European Standard specifies the emission and immunity requirements for all types of rolling stock. It covers traction stock, hauled stock and trainsets including urban vehicles for use in city streets. The frequency range considered is from 0 Hz (d.c.) to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified. The scope of this part of the standard ends at the interface of the rolling stock with its respective energy inputs and outputs. In the case of locomotives, trainsets, trams etc., this is the current collector (pantograph, shoe gear). In the case of hauled stock, this is the a.c. or d.c. auxiliary power connector. However, since the current collector is part of the traction stock, it is not entirely possible to exclude the effects of this interface with the power supply line. The slow moving test has been designed to minimize these effects. This European standard specifies the emission limits of the rolling stock to the outside world.

Keel: en

Alusdokumendid: EN 50121-3-1:2015

Asendab dokumenti: EVS-EN 50121-3-1:2006

Asendab dokumenti: EVS-EN 50121-3-1:2006/AC:2008

### **EVS-EN 50121-3-2:2015**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-2: Veerem. Aparatuur Railway applications - Electromagnetic compatibility -- Part 3-2: Rolling stock - Apparatus**

This European Standard applies to emission and immunity aspects of EMC for electrical and electronic apparatus intended for use on railway rolling stock. EN 50121-3-2 applies for the integration of apparatus on rolling stock. The frequency range considered is from DC to 400 GHz. No measurements need to be performed at frequencies where no requirement is specified. The application of tests shall depend on the particular apparatus, its configuration, its ports, its technology and its operating conditions. This standard takes into account the internal environment of the railway rolling stock and the external environment of the railway, and interference to the apparatus from equipment such as hand-held radio-transmitters.

Keel: en

Alusdokumendid: EN 50121-3-2:2015

Asendab dokumenti: EVS-EN 50121-3-2:2006

### **EVS-EN 50121-5:2015**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 5: Elektrivarustussüsteemi püsipaigaldiste ja aparatuuri emissioon ja häiringutaluvus**

#### **Railway applications - Electromagnetic compatibility - Part 5: Emission and immunity of fixed power supply installations and apparatus**

This European Standard applies to emission and immunity aspects of EMC for electrical and electronic apparatus and systems intended for use in railway fixed installations for supply. This includes the power feed to the apparatus, the apparatus itself with its protective control circuits, trackside items such as switching stations, power autotransformers, booster transformers, substation power switchgear and power switchgear to other longitudinal and local supplies. Filters operating at railway system voltage (for example, for harmonic suppression or power factor correction) are not included in this standard since each site has special requirements. Filters would normally have separate enclosures with separate rules for access. If electromagnetic limits are required, these will appear in the specification for the equipment. The limits in this standard do not apply to intentional communication signals.

Keel: en

Alusdokumendid: EN 50121-5:2015

Asendab dokumenti: EVS-EN 50121-5:2006

Asendab dokumenti: EVS-EN 50121-5:2006/AC:2008

## **47 LAEVAEHITUS JA MERE-EHITISED**

### **EVS-EN ISO 18854:2015**

#### **Small craft - Reciprocating internal combustion engines exhaust emission measurement - Test-bed measurement of gaseous and particulate exhaust emissions (ISO 18854:2015)**

This International Standard specifies the measurement and evaluation methods for gaseous and particulate exhaust emissions from reciprocating internal combustion (RIC) engines under steady-state conditions on a test bed, necessary for determining one weighted value for each exhaust gas pollutant. Various combinations of engine load and speed reflect different engine applications. This International Standard is applicable to RIC marine engines intended to be installed in small craft up to 24 m length of hull.

Keel: en

Alusdokumendid: ISO 18854:2015; EN ISO 18854:2015

## **49 LENNUNDUS JA KOSMOSETEHNIKA**

### **EVS-EN 3545-006:2015**

#### **Aerospace series - Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures -55 °C to 175 °C - Part 006: Male coding and attachment System for mounting on fixed housing (receptacle) - Product standard**

This European Standard specifies the male coding and attachment system for mounting on fixed housing 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.

Keel: en

Alusdokumendid: EN 3545-006:2015

Asendab dokumenti: EVS-EN 3545-006:2006

### **EVS-EN 3645-006:2015**

#### **Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 006: Protective cover for receptacle - Product standard**

This European Standard specifies the characteristics of protective covers for receptacles in the family of circular electrical connectors with triple start threaded coupling. It applies to models in Table 2. For receptacles, see EN 3645-003, EN 3645-004, EN 3645-005, EN 3645-009 and EN 3645-010 respectively. These connectors are derived from and interchangeable with models W, F, K and Z in MIL-DTL-38999/33.

Keel: en

Alusdokumendid: EN 3645-006:2015

Asendab dokumenti: EVS-EN 3645-006:2007

### **EVS-EN 3645-007:2015**

#### **Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 007: Protective cover for plug - Product standard**

This European Standard specifies the characteristics of protective covers for plugs in the family of circular, electrical connectors, with triple start threaded coupling. It applies to models in Table 2. For plugs, see EN 3645-008, EN 3645-011 and EN 3645-012. These connectors are derived from and interchangeable with models W, F, K and Z in specification MIL-DTL-38999/32.

Keel: en

Alusdokumendid: EN 3645-007:2015

Asendab dokumenti: EVS-EN 3645-007:2007

### **EVS-EN 4641-101:2015**

#### **Aerospace series - Cables, optical 125 µm diameter cladding - Part 101: Tight structure 62,5 µm core GI fibre 0,9 mm outside diameter - Product standard**

This product standard specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 62,5/125 µm Graded Index fibre core, 0,9 mm outside diameter and of tight buffer construction, for inside wiring applications.

Keel: en

Alusdokumendid: EN 4641-101:2015

## **53 TÕSTE- JA TEISALDUS-SEADMED**

### **EVS-EN 13001-1:2015**

#### **Cranes - General design - Part 1: General principles and requirements**

This European Standard specifies general principles and requirements to be used together with EN 13001 2 and the EN 13001 3 series of standards, and as such they specify conditions and requirements on design to prevent mechanical hazards of cranes, and a method of verification of those requirements. NOTE Specific requirements for particular types of crane are given in the appropriate European Standard for the particular crane type. The following is a list of significant hazardous situations and hazardous events that could result in risks to persons during normal use and foreseeable misuse. Clause 4 of this European Standard is necessary to reduce or eliminate the risks associated with the following hazards: a) instability of the crane or its parts (tilting); b) exceeding the limits of strength (yield, ultimate, fatigue); c) elastic instability of the crane or its parts (buckling, bulging); d) exceeding temperature limits of material or components; e) exceeding the deformation limits. This European Standard is applicable to cranes which are manufactured after the date of approval by CEN of this standard and serves as reference base for the European Standards for particular crane types.

Keel: en

Alusdokumendid: EN 13001-1:2015

Asendab dokumenti: EVS-EN 13001-1:2005+A1:2009

Asendab dokumenti: EVS-EN 13001-1:2005+A1:2009/AC:2009

### **EVS-EN 1808:2015**

#### **Ohutusnõuded rippkanduritele. Projekteerimisarvutused, stabiilsuskriteeriumid, valmistamine. Kontrollimine ja katsed Safety requirements for suspended access equipment - Design calculations, stability criteria, construction - Examinations and tests**

1.1 Application This European Standard specifies the requirements, test methods, marking and information to be provided by the manufacturer/supplier for Suspended Access Equipment (SAE). It is applicable to both permanent and temporary equipment which may be powered or hand operated and which are defined in Clause 3. The requirements of this standard include the rails, tracks and other support systems on which SAE depend for their integrity and safety as well as taking into account all associated loads and fixings to the building structure. This document is not applicable to Suspended Access Equipment which is manufactured before the date of its publication as EN. 1.2 Hazards This European Standard deals with significant hazards pertinent to SAE when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4). This European Standard specifies appropriate technical measures to eliminate or reduce risks arising from the significant hazards. 1.3 Exclusions The following are not covered in this document: a) operation in severe and special conditions (e.g. extreme environmental conditions, corrosive environments, strong magnetic fields); b) operation subject to special rules (e.g. potentially explosive atmospheres, work on live overhead electrical lines); c) transportation of passengers from one level to another; d) handling of loads which could lead to a dangerous situation (e.g. molten metal, acids/bases, radioactive materials); e) working platforms suspended by cranes; f) silo access equipment; g) SAE using chains for the direct suspension of a platform; h) SAE using fibre ropes for the suspension of a platform; i) SAE intended to be used underground; j) SAE intended to be used in shafts; k) SAE directly powered by combustion engines.

Keel: en

Alusdokumendid: EN 1808:2015

Asendab dokumenti: EVS-EN 1808:1999+A1:2010

## 55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

### **EVS-EN 12674-4:2015**

#### **Roll containers - Part 4: Performance requirements**

This European Standard specifies appropriate tests and levels of performance for roll containers and dollies manufactured in all materials, assembled for use and stacked for storage when tested in accordance with EN 12674-3.

Keel: en

Alusdokumendid: EN 12674-4:2015

Asendab dokumenti: EVS-EN 12674-4:2007

## 59 TEKSTIILI- JA NAHATEHNOLOOGIA

### **EVS-EN 14499:2015**

#### **Textile floor coverings - Minimum requirements for carpet underlays**

This European Standard specifies minimum performance requirements for fibrous, non-fibrous and combined underlays as well as demands for the fracture and cracking resistance.

Keel: en

Alusdokumendid: EN 14499:2015

Asendab dokumenti: EVS-EN 14499:2005

### **EVS-EN 14574:2015**

#### **Geosynthetics - Determination of the pyramid puncture resistance of supported geosynthetics**

This European Standard specifies an index test method to determine the puncture resistance of a geosynthetic on a rigid support. This method simulates the efficiency of a geosynthetic protecting a geosynthetic barrier material or another contact surface against sharp rigid elements under short term loading.

Keel: en

Alusdokumendid: EN 14574:2015

Asendab dokumenti: EVS-EN 14574:2005

### **EVS-EN 16653:2015**

#### **Rubber or plastics-coated fabrics - Determination of stitch tear resistance (using a needle) - Test method**

This European Standard specifies a method for the determination of the resistance of the seams of rubber or plastic-coated fabrics against tearing out a needle perpendicular to the stitching direction. This resistance is characterized by determining the stitch tear force.

Keel: en

Alusdokumendid: EN 16653:2015

### **EVS-EN ISO 10318-1:2015**

#### **Geosünteedid. Osa 1: Terminid ja määratlused**

#### **Geosynthetics - Part 1: Terms and definitions (ISO 10318-1:2015)**

The intent of this International Standard is to define terms related to functions, products, properties and other terms used in EN and ISO geosynthetics standards. Definitions of terms not included in this standard may be found in the standards describing appropriate test methods. NOTE In addition to terms in English and French (two of the three official ISO languages), this International Standard gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions. The intent of this International Standard is to define property and graphical symbols used in EN and ISO geosynthetics standards. Definitions of terms not included in this standard may be found in the standards describing appropriate test methods.

Keel: en

Alusdokumendid: EN ISO 10318-1:2015; ISO 10318-1:2015

Asendab dokumenti: EVS-EN ISO 10318:2007

### **EVS-EN ISO 10318-2:2015**

#### **Geosynthetics - Part 2: Symbols and pictograms (ISO 10318-2:2015)**

This Standard defines terms related to functions, products, properties and other terms as well as symbols applying to geosynthetics. Definitions of terms not included in this standard may be found in the appropriate test methods standards. Note: ISO/TC 221 decided to split the content of the standard in two parts.

Keel: en

Alusdokumendid: ISO 10318-2:2015; EN ISO 10318-2:2015

Asendab dokumenti: EVS-EN ISO 10318:2007

## **EVS-EN ISO 15701:2015**

### **Leather - Tests for colour fastness - Colour fastness to migration into polymeric material (ISO 15701:2015)**

This International Standard specifies a method for assessing the propensity of dyes and pigments to migrate from leather to a synthetic substrate by determining the transfer of colour from the leather to white plasticized poly(vinyl chloride) in contact with it. This method is suitable for leather of all kinds at any stage of processing. NOTE Tests to determine the transfer of colour from the leather using other polymeric materials (e.g. thermoplastic polyurethane) are also possible.

Keel: en

Alusdokumendid: ISO 15701:2015; EN ISO 15701:2015

Asendab dokumenti: EVS-EN ISO 15701:2000

## **EVS-EN ISO 17234-1:2015**

### **Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants (ISO 17234-1:2015)**

ISO 17234-1:2010 specifies a method for determining the use of certain azo colorants which may release certain aromatic amines.

Keel: en

Alusdokumendid: ISO 17234-1:2015; EN ISO 17234-1:2015

Asendab dokumenti: EVS-EN ISO 17234-1:2010

## **67 TOIDUAINETE TEHNOLOOGIA**

## **EVS-EN 16618:2015**

### **Food analysis - Determination of acrylamide in food by liquid chromatography tandem mass spectrometry (LC-ESI-MS/MS)**

This European Standard specifies a method for the determination of acrylamide in bakery ware such as bread, toasted bread, crisp bread, butter cookies, and biscuits, as well as potato products such as potato chips, potato crisps, and potato pan cake and roasted coffee, by liquid chromatography in combination with electrospray ionization and tandem mass spectrometry (LC-ESI-MS/MS). This method has been validated in an interlaboratory study via the analysis of both naturally contaminated and spiked samples, ranging from 14,3 µg/kg to 9 083 µg/kg. It was developed at the Swedish National Food Administration and validated in a study organized by the Directorate General Joint Research Centre (DG JRC), Swedish National Food Administration and the Nordic Committee on Food Analysis (NMKL), see [1] and [2]. The limit of quantification (LOQ) depends on the type of instrument used and on the actual performance of the instrument. The majority of the laboratories participating in the validation study were able to determine acrylamide in a butter cookie sample at a level of 14,3 µg/kg. Thus, the validation by interlaboratory study showed that LOQ can be expected to be in the range between below 15 µg/kg and 30 µg/kg.

Keel: en

Alusdokumendid: EN 16618:2015

## **EVS-EN 16619:2015**

### **Food analysis - Determination of benzo[a]pyrene, benz[a]anthracene, chrysene and benzo[b]fluoranthene in foodstuffs by gas chromatography mass spectrometry (GC-MS)**

This European Standard specifies a method for the determination of 4 of the 16 EU priority polycyclic aromatic hydrocarbons (PAHs), identified as target PAHs. They are benz[a]anthracene (BaA), benzo[a]pyrene (BaP), benzo[b]fluoranthene (BbF) and chrysene (CHR). The method allows their quantification in the presence of the other 12 EU priority PAHs (benzo[j]fluoranthene (BjF), cyclopenta[cd]pyrene (CPP), benzo[k]fluoranthene (BkF), dibenz[a,h]anthracene (DhA), benzo[c]fluorene (BcL), dibenzo[a,e]pyrene (DeP), benzo[ghi]perylene (BgP), dibenzo[a,h]pyrene (DhP), dibenzo[a,i]pyrene (DiP), dibenzo[a,l]pyrene (DlP), indeno[1,2,3-cd]pyrene (IcP), 5-methylchrysene (5MC)) in extruded wheat flour, smoked fish, dry infant formula, sausage meat, freeze-dried mussels, edible oil and wheat flour, by gas-chromatography mass-spectrometry (GC-MS). The extraction of PAHs from solid samples is performed by pressurized liquid extraction (PLE). Soxhlet extraction was applied by some participants in the validation study by collaborative trial as alternative to PLE. The sample cleanup is performed by applying the following techniques in the reported sequence: size exclusion chromatography (SEC), and solid phase extraction (SPE). This method complies with the performance characteristics specified in Commission Regulation (EU) No 836/2011 (see [1]). In particular the specifications for the limit of detection (LOD) and of the limit of quantification (LOQ) (0,30 µg/kg and 0,90 µg/kg respectively) were met. The method has been validated in an interlaboratory study via the analysis of both naturally contaminated and spiked samples, ranging from 0,5 µg/kg to 11,9 µg/kg. However, linearity of the instrument response was proven for the concentration range 0,5 µg/kg to 20 µg/kg. For the determination of PAHs in edible fats and oils, two other CEN standards are also available, EN ISO 22959 and EN ISO 15753, for more information see [2] and [3].

Keel: en

Alusdokumendid: EN 16619:2015

## **EVS-EN 16620:2015**

### **Food analysis - Determination of furan in coffee and coffee products by headspace gas chromatography and mass spectrometry (HS GC-MS)**

This European Standard specifies a method for the determination of furan in coffee and coffee products with headspace-gas chromatography-mass spectrometry (HS-GC-MS), see [1] and [2]. Coffee products in the scope of this method are extracts which have been spray-dried, agglomerated or freeze-dried. The method has been validated in an interlaboratory study via the analysis

of naturally contaminated samples of spray-dried coffee, freeze-dried coffee and ground roasted coffee ranging from 264 µg/kg to 2 840 µg/kg.

Keel: en

Alusdokumendid: EN 16620:2015

## 71 KEEMILINE TEHNOLOOGIA

### EVS-EN 12931:2015

#### **Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Sodium dichloroisocyanurate, anhydrous**

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

Keel: en

Alusdokumendid: EN 12931:2015

Asendab dokumenti: EVS-EN 12931:2008

### EVS-EN 12932:2015

#### **Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Sodium dichloroisocyanurate, dihydrate**

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

Keel: en

Alusdokumendid: EN 12932:2015

Asendab dokumenti: EVS-EN 12932:2008

### EVS-EN 12933:2015

#### **Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Trichloroisocyanuric acid**

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

Keel: en

Alusdokumendid: EN 12933:2015

Asendab dokumenti: EVS-EN 12933:2009

### EVS-EN 13697:2015

#### **Chemical disinfectants and antiseptics - Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2, step 2)**

This European Standard specifies a test method (phase 2/step 2) and the minimum requirements for bactericidal and/or fungicidal or yeasticidal activity of chemical disinfectants that form a homogeneous physically stable preparation in hard water or – in the case of ready-to-use products – with water in food, industrial, domestic and institutional areas, excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues. The scope of this European Standard applies at least to the following: a) Processing, distribution and retailing of: 1) Food of animal origin: i) milk and milk products; ii) meat and meat products; iii) fish, seafood and products; iv) eggs and egg products; v) animal feeds; vi) etc. 2) Food of vegetable origin: i) beverages; ii) fruits, vegetables and derivatives (including sugar distillery); iii) flour, milling and baking; iv) animal feeds; v) etc. b) Institutional and domestic areas: 1) catering establishments; 2) public areas; 3) public transports; 4) schools; 5) nurseries; 6) shops; 7) sports rooms; 8) waste container (bins); 9) hotels; 10) dwellings; 11) clinically non sensitive areas of hospitals; 12) offices; 13) etc. c) Other industrial areas: 1) packaging material; 2) biotechnology (yeast, proteins, enzymes...); 3) pharmaceutical; 4) cosmetics and toiletries; 5) textiles; 6) space industry, computer industry; 7) etc. Using this European Standard, it is possible to determine the bactericidal or fungicidal or yeasticidal activity of the undiluted product. As three concentrations are tested, in the active to non active range, dilution of the product is required and, therefore, the product forms a homogeneous stable preparation in hard water. EN 14885 specifies in detail the relationship of the various tests to one another and to use recommendations. NOTE 1 The method described is intended to determine the activity of commercial formulations or active substances on bacteria and/or fungi in the conditions in which they are used. NOTE 2 This method cannot be used to evaluate the activity of products against mycobacteria.

Keel: en

Alusdokumendid: EN 13697:2015

Asendab dokumenti: EVS-EN 13697:2002

### **EVS-EN 14368:2015**

#### **Products used for treatment of water intended for human consumption - Manganese dioxide coated limestone**

This European Standard is applicable to manganese dioxide coated limestone used for treatment of water intended for human consumption. It describes the characteristics of manganese dioxide coated limestone and specifies the requirements and the corresponding test methods for manganese dioxide coated limestone. It gives information on its use in water treatment.

Keel: en

Alusdokumendid: EN 14368:2015

Asendab dokumenti: EVS-EN 14368:2004

### **EVS-EN 14369:2015**

#### **Products used for treatment of water intended for human consumption - Iron-coated granular activated alumina**

This European Standard is applicable to iron-coated granular activated alumina used for treatment of water intended for human consumption. It describes the characteristics of iron-coated granular activated alumina and specifies the requirements and the corresponding test methods for iron-coated granular activated alumina. It gives information on its use in water treatment.

Keel: en

Alusdokumendid: EN 14369:2015

Asendab dokumenti: EVS-EN 14369:2004

### **EVS-EN 14675:2015**

#### **Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (Phase 2, step 1)**

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

Keel: en

Alusdokumendid: EN 14675:2015

Asendab dokumenti: EVS-EN 14675:2006

### **EVS-EN 15376:2015**

#### **Mootorikütused. Etanool mootoribensiini segukomponendina. Nõuded ja katsemeetodid Automotive fuels - Ethanol as a blending component for petrol - Requirements and test methods**

Standard sätestab nõuded ja katsemeetodid turustatavale ja tarnitavale ottomootoriga sõidukite mootoribensiini segukomponendina kasutatavale etanoolile vastavalt standardi EN 228 [5] nõuetele. Standard kehtib etanoolile, mida kasutatakse segukomponendina kuni 85 mahu% (kaasa arvatud) ulatuses. MÄRKUS Selles standardis kasutatakse massiosade  $\mu$  ja mahuosade  $\phi$  eristamiseks vastavalt tähiseid „% (m/m)“ ja „% (V/V)“. EE MÄRKUS Eesti standardis kasutatakse vastavalt tähiseid „massi%“ ja „mahu%“.

Keel: en, et

Alusdokumendid: EN 15376:2014

Asendab dokumenti: EVS-EN 15376:2011

### **EVS-EN 61010-2-051:2015**

#### **Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-051: Erinõuded laboratoorsetele segamisseadmetele Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring**

This part of IEC 61010 is applicable to electrically operated laboratory equipment and its accessories for mechanical mixing and stirring, where mechanical energy influences the shape or size or homogeneity of materials and their accessories. Such devices may contain heating elements.

Keel: en

Alusdokumendid: EN 61010-2-051:2015; IEC 61010-2-051:2015

Asendab dokumenti: EVS-EN 61010-2-051:2004

### **EVS-EN 61010-2-061:2015**

#### **Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-061: Erinõuded laboratoorsetele termilisel atomiseerimisel ja ioniseerimisel põhinevatele aatomspektromeetritele**

#### **Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization**

This part of IEC 61010 applies to electrically powered laboratory atomic spectrometers with thermal atomization.

Keel: en

Alusdokumendid: EN 61010-2-061:2015; IEC 61010-2-061:2015

Asendab dokumenti: EVS-EN 61010-2-061:2004

## **75 NAFTA JA NAFTATEHNOLOOGIA**

### **EVS-EN 15376:2015**

#### **Mootorikütused. Etanool mootoribensiini segukomponendina. Nõuded ja katsemeetodid Automotive fuels - Ethanol as a blending component for petrol - Requirements and test methods**

Standard sätestab nõuded ja katsemeetodid turustatavale ja tarnitavale ottomootoriga sõidukite mootoribensiini segukomponendina kasutatavale etanoolile vastavalt standardi EN 228 [5] nõuetele. Standard kehtib etanoolile, mida kasutatakse segukomponendina kuni 85 mahu% (kaasa arvatud) ulatuses. MÄRKUS Selles standardis kasutatakse massiosade  $\mu$  ja mahuosade  $\phi$  eristamiseks vastavalt tähiseid „% (m/m)“ ja „% (V/V)“. EE MÄRKUS Eesti standardis kasutatakse vastavalt tähiseid „massi%“ ja „mahu%“.

Keel: en, et

Alusdokumendid: EN 15376:2014

Asendab dokumenti: EVS-EN 15376:2011

### **EVS-EN ISO 16967:2015**

#### **Solid biofuels - Determination of major elements - Al, Ca, Fe, Mg, P, K, Si, Na and Ti (ISO 16967:2015)**

This International Standard describes a method for the determination major elements of solid biofuels respectively of their ashes, which are Al, Ca, Fe, Mg, P, K, Na and Ti. The determination of other elements such as Barium (Ba) and manganese (Mn) is also possible with the methods described in this International Standard.

Keel: en

Alusdokumendid: ISO 16967:2015; EN ISO 16967:2015

Asendab dokumenti: EVS-EN 15290:2011

### **EVS-EN ISO 16993:2015**

#### **Solid biofuels - Conversion of analytical results from one basis to another (ISO 16993:2015)**

This International Standard gives formulas, which allow analytical data relating to solid biofuels to be expressed on the different bases in common use. Consideration is given to corrections that may be applied to certain determined values for solid biofuels prior to their calculation to other bases. In the informative Annex A tools for integrity checks of analytical results are given. In the informative Annex B conversion factors for calculation into other units are given. The informative Annex C is a guideline for the use of validation parameters as can be found in ISO/TC 238 analytical standards.

Keel: en

Alusdokumendid: ISO 16993:2015; EN ISO 16993:2015

Asendab dokumenti: EVS-EN 15296:2011

### **EVS-EN ISO 16994:2015**

#### **Solid biofuels - Determination of total content of sulfur and chlorine (ISO 16994:2015)**

This International Standard describes methods for the determination of the total sulphur and total chlorine content in solid biofuels. The standard specifies two methods for digestion of the fuel and different analytical techniques for the quantification of the elements in the digest solutions. The use of automatic equipment is also included in this standard provided that a validation is carried out as specified.

Keel: en

Alusdokumendid: ISO 16994:2015; EN ISO 16994:2015

Asendab dokumenti: EVS-EN 15289:2011

### **EVS-EN ISO 17945:2015**

#### **Petroleum, petrochemical and natural gas industries - Metallic materials resistant to sulfide stress cracking in corrosive petroleum refining environments (ISO 17945:2015)**

This International Standard establishes material requirements for resistance to SSC in sour petroleum refining and related processing environments containing H<sub>2</sub>S either as a gas or dissolved in an aqueous (liquid water) phase with or without the presence of hydrocarbon. This International Standard does not include and is not intended to include design specifications. Other

forms of wet H<sub>2</sub>S cracking, environmental cracking, corrosion, and other modes of failure are outside the scope of this International Standard. It is intended to be used by refiners, equipment manufacturers, engineering contractors, and construction contractors.

Keel: en

Alusdokumendid: ISO 17945:2015; EN ISO 17945:2015

## 77 METALLURGIA

### CEN/TS 15656:2015

#### **Copper and copper alloys - Determination of phosphorus content - Spectrophotometric method**

This Technical Specification specifies a molybdovanadate spectrophotometric method for the determination of phosphorus in copper and copper alloys in the form of castings or unwrought or wrought products. The method is applicable to products having phosphorus mass fractions between 0,001 % and 0,5 %.

Keel: en

Alusdokumendid: CEN/TS 15656:2015

Asendab dokumenti: CEN/TS 15656:2009

### EVS-EN 1396:2015

#### **Aluminium and aluminium alloys - Coil coated sheet and strip for general applications - Specifications**

This European Standard specifies the particular requirements for wrought aluminium and wrought aluminium alloys in the form of coil coated sheet and strip for general applications. This product is generally supplied in thicknesses up to 3,0 mm. It applies to cold-rolled aluminium and aluminium alloy strip coated by the coil coating process both with liquid as well as with powder paints, either in the final width or slit afterwards, and to sheet obtained from such strip. It does not apply to coil coated sheet and strip used for special applications such as cans, closures and lids which are dealt with in separate EN 541.

Keel: en

Alusdokumendid: EN 1396:2015

Asendab dokumenti: EVS-EN 1396:2007

### EVS-EN ISO 6892-3:2015

#### **Metallic materials - Tensile testing - Part 3: Method of test at low temperature (ISO 6892-3:2015)**

This part of ISO 6892 specifies a method of tensile testing of metallic materials at temperatures between +10 °C and -196 °C.

Keel: en

Alusdokumendid: ISO 6892-3:2015; EN ISO 6892-3:2015

## 79 PUIDUTEHNOLOOGIA

### CEN/TR 16816:2015

#### **End use performance of wood products - Utilisation and improvement of existing methods to estimate service life**

The scope of WG28 Performance Classification is expressed in this Technical Report: Guidance on the determination of end use performance of wood products: utilization and improvement of existing test methods to estimate service life, in order to give input to the harmonized product standards dealing with the durability requirement of the CPD and future Regulation (EU) No 305/2011 (The Construction Products Regulation CPR). This Technical Report brings together the evaluations and discussions to date that have occurred within CEN/TC38/WG28 Performance Classification. This technical report does not address panel products specifically.

Keel: en

Alusdokumendid: CEN/TR 16816:2015

### EVS-EN 1870-17:2012+A1:2015

#### **Puidutöötlemismasinate ohutus. Ketassaagimisseadmed. Osa 17: Käsijuhtimisega ühekettalised horisontaalselt lõikavad järkamissaemasinad (suportsaed)**

#### **Safety of woodworking machines - Circular sawing machines - Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (radial arm saws)**

This European Standard specifies all significant hazards, hazardous situation and events as listed in Clause 4, relevant to stationary and displaceable manual horizontal cutting cross-cut circular sawing machines with one saw unit (manual radial arm saws), hereinafter referred to as "machines", designed to cut solid wood, chipboard, fibreboard, plywood and also these materials if they are covered with plastic edging and/or plastic laminates, when they are used as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. NOTE 1 For the definition of stationary and displaceable machine, see 3.2.3 and 3.2.4. The requirements of this document apply to all machines whatever their method of control e.g. electromechanical and/or electronic. This document does not apply to: a) machines set up on a bench or a table similar to a bench, which are intended to carry out work in a stationary position, capable of being lifted by one person by hand; the bench can also be an integrated part of the machine if it consists of hinged legs which can be extended down; NOTE 2 Transportable motor-operated electrical tools are dealt with in EN 61029-1:2009 together with IEC 61029-2-2:1993. b) machines fitted with hydraulically powered machine actuators; c) machines fitted with powered work-piece positioning; d) machines fitted with the facility for either ripping, milling (including trenching and grooving), sanding and/or drilling; e) machines equipped with more than one saw spindle

speed; NOTE 3 A standard to cover machines that can be used for ripping and moulding will be considered at the next revision. NOTE 4 Semi-automatic and automatic horizontal cutting cross-cut circular sawing machines with one saw unit (radial arm saws) are dealt with in EN 1870-11:2003+A1:2009. f) machines with integrated feed. This document is not applicable to manual horizontal cutting cross-cut circular sawing machines with one saw unit (manual radial arm saws) which are manufactured before the date of its publication as EN.

Keel: en

Alusdokumendid: EN 1870-17:2012+A1:2015

Asendab dokumenti: EVS-EN 1870-17:2012

## 83 KUMMI- JA PLASTITÖÖSTUS

### EVS-EN 1372:2015

#### **Adhesives - Test method for adhesives for floor and wall coverings - Peel test**

This European Standard specifies a test method to measure the adhesion of a resilient or textile floor covering or wall covering bonded to a given substrate under peel forces. The term "wall covering" does not include any type of wallpaper.

Keel: en

Alusdokumendid: EN 1372:2015

Asendab dokumenti: EVS-EN 1372:2000

### EVS-EN 1373:2015

#### **Adhesives - Test method for adhesives for floor and wall coverings - Shear test**

This European Standard specifies a test method to measure the adhesion of a resilient or textile floor covering or wall covering bonded to a given substrate under shear forces. The term "wall covering" does not include any type of wallpaper.

Keel: en

Alusdokumendid: EN 1373:2015

Asendab dokumenti: EVS-EN 1373:2000

### EVS-EN 15274:2015

#### **General purpose adhesives for structural assembly - Requirements and test methods**

This European Standard specifies requirements for adhesives intended for use in the creation and general assembly of load-bearing, structural elements used in civil engineering works and the construction of buildings. Other than the exceptions stated, it embraces all combinations of bonded materials, used to create or repair load-bearing elements. It covers individual adhesives and special purpose kits comprising various combinations of adhesive types and components. It includes test methods and methods of assessment. The performance requirements in this standard may not be applicable to highly specialised applications in extreme environmental conditions, e.g. cryogenic use, nor do they cover specialised circumstances such as accidental impact, e.g. due to traffic or ice, or earthquake loading where specific performance requirements will apply. The intended use is for internal and external construction elements and those cladding and covering elements (excluding ceramic tiles) specifically required, by regulatory authorities, to provide protection from fire in identified building zones, including escape routes. This European Standard does not cover: - Prefabricated, bonded structural components; - Concrete bonded either to itself or steel or a material based on carbon fibre; - Wood, when bonded to itself to form a timber based, laminated beam [of the type known as a 'Glulam' beam] intended for use as a major structural, load bearing element; - Thermoplastics [e.g. polyethylene, polypropylene, polyamide and fluorinated polymers in general] unless they have been specifically prepared [usually through a specialised oxidative process] for bonded assembly on site; - Co-axial metallic assemblies comprising fasteners- threaded and otherwise, pipes and tubes; - Glass assemblies in structural glazing applications made using silicone adhesives; - Those structural elements that are permanently immersed in water.

Keel: en

Alusdokumendid: EN 15274:2015

Asendab dokumenti: EVS-EN 15274:2007

### EVS-EN 15275:2015

#### **Ehitusliimid. Hoonetes ja rajatistes kasutatavate koaksiaalsete metall-liidete anaeroobsete liimide spetsifikatsioon**

#### **Structural adhesives - Characterisation of anaerobic adhesives for co-axial metallic assembly in building and civil engineering structures**

This European Standard specifies requirements and test methods for the characterisation of anaerobic adhesives intended for the general assembly of co-axial metallic elements in building and civil engineering structures including fasteners- threaded and otherwise, pipes and tubes. It is applicable to single adhesives and systems (kits) comprising adhesives, activators and/or primers for both internal and external construction elements. This European Standard only applies to metallic substrates.

Keel: en

Alusdokumendid: EN 15275:2015

Asendab dokumenti: EVS-EN 15275:2007

### EVS-EN 16474:2015

#### **Plasti- ja kummitöötlusmasinad. Rehvide vulkaniseerimise pressid. Ohutusnõuded Plastics and rubber machines - Tyre curing machines - Safety requirements**

This European Standard applies to tyre curing machines having the following configuration. - crossing flow tyre curing machines, with two cavities with: - common curing cycle and common safeguarding; or - independent curing cycles and common safeguarding; or - independent curing cycles and independent safeguarding. - tyre curing machines with one cavity. - tyre curing machines with automatic rear feeding and discharge. The safety requirements and/or protective measures specified in this European Standard apply to tyre curing machines for passenger vehicle tyres and truck tyres. This European Standard does not deal with: - feeding system and discharge system; - tyre curing machines with manual loading of the green tyre into the mould and manual unloading of the cured tyre from the mould; - ancillary equipment which is not an integral part of the tyre curing machine, e.g. conveying equipment; - exhaust systems. This European Standard deals with all significant hazards, hazardous situations and events relevant to tyre curing machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). It does not deal with hazards associated with falling of parts of the container or mould. Some tyre curing machines include pressure vessels, which fall under Directive 97/23/EC [1]; this European standard is not intended to support the Directive 97/23/EC. This European Standard is not applicable to tyre curing machines which are manufactured before the date of its publication as an EN. Hazard associated with falling of parts of the container or mould are not covered by this European Standard. Safety requirements relating to the design of ancillary equipment which is not an integral part of the tyre curing press, e.g. conveying equipment are not covered in this European Standard. Safety requirements relating to the design of exhaust systems are not covered in this European Standard. This European Standard covers the significant hazards listed in Clause 4. NOTE This European Standard is not intended to support the PED [1]. For pressure hazards, see informative Annex A. This document is not applicable to tyre curing presses which are manufactured before the date of its publication as EN.

Keel: en

Alusdokumendid: EN 16474:2015

### **EVS-EN ISO 13894-1:2015**

#### **High-pressure decorative laminates - Composite elements - Part 1: Test methods (ISO 13894-1:2000)**

This part of ISO 13894 specifies the methods of test for determination of the properties of composite elements surfaced, and possibly edged, with high-pressure decorative laminate (HPDL) as defined in clause 3.

Keel: en

Alusdokumendid: ISO 13894-1:2000; EN ISO 13894-1:2015

### **EVS-EN ISO 13894-2:2015**

#### **High-pressure decorative laminates - Composite elements - Part 2 : Specifications for composite elements with wood-based substrates for interior use (ISO 13894-2:2005)**

This part of ISO 13894 describes the general properties of composite elements surfaced, and possibly edged, with high-pressure decorative laminate (HPDL) as defined in Clause 3. The composite elements specified in this part of ISO 13894 consist of HPDL sheet material adhesively bonded to one or both sides of a woodbased substrate, and are intended for normal interior use. Requirements for special applications, e.g. where the product is subjected to extreme conditions of heat or moisture, are not part of this part of ISO 13894, although Part 1 of this International Standard describes test methods for additional properties which may be applicable to such applications (see ISO 13894-1:2000, Subclause 3.1, Note 3). Test methods and performance levels for special applications shall be agreed between customer and supplier. Information concerning test methods for special applications is given in Annex A.

Keel: en

Alusdokumendid: ISO 13894-2:2005; EN ISO 13894-2:2015

### **EVS-EN ISO 13927:2015**

#### **Plastics - Simple heat release test using a conical radiant heater and a thermopile detector (ISO 13927:2015)**

No scope available

Keel: en

Alusdokumendid: ISO 13927:2015; EN ISO 13927:2015

Asendab dokumenti: EVS-EN ISO 13927:2003

## **87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS**

### **CEN/TS 16766:2015**

#### **Bio-based solvents - Requirements and test methods**

This Technical Specification sets requirements for bio-based solvents in terms of properties, limits, application classes and test methods. It lays down the characteristics and details for assessment of bio-based solvents: - fit for purpose in terms of performance related properties; - comply with the requirements regarding the health, safety and environment which apply to general solvents; - are derived from a certain minimum percentage of biomass; and - comply with at least similar sustainability criteria as comparable (regular) solvents. The criteria of the Regulation for Environmental Assessment of Chemicals (REACH) [2] are included in the discussions that have led to this Technical Specification. NOTE EN 16575 defines the term "bio-based" as derived from biomass and clarifies that "bio-based" does not imply "biodegradable". In addition, "biodegradable" does not necessarily imply the use of "bio-based" material.

Keel: en

Alusdokumendid: CEN/TS 16766:2015

**CLC/TS 50568-4:2015****Electricity metering data exchange - Part 4: Lower layer PLC profile using SMITP B-PSK modulation**

This Technical Specification specifies the characteristics of the profile related to Physical and Data Link Layers for communications on LV distribution network between a Concentrator (master node) and one or more slave nodes. The following prescriptions are applied to groups of devices that communicate using low voltage network. Each section of the network is composed by one Concentrator (acting as the master of the section), and one or more primary nodes (A-Nodes). Every A-Node can optionally be associated to one secondary node (B-Node).

Keel: en

Alusdokumendid: CLC/TS 50568-4:2015

**CLC/TS 50568-8:2015****Electricity metering data exchange - The DLMS/COSEM suite - Part 8: SMITP B-PSK PLC communication profile for neighbourhood networks - Including: The Original-SMITP PLC B-PSK communication profile, The Original-SMITP Local data exchange profile and The Original-SMITP IP communication profile**

This Technical Specification contains 4 profile specifications: • the DLMS/COSEM SMITP B-PSK PLC Profile (clause 4) • the Original-SMITP B-PSK PLC Profile (clause 5) • the Original-SMITP IP Profile (clause 6) • the Original-SMITP Local data exchange profile (clause 7) The DLMS/COSEM SMITP B-PSK profile defines the use of the CLC/FprTS 50568-4 communication protocol and methods to access and exchange data modelled by the COSEM objects of EN 62056 6 2 via the EN 62056-5-3 application layer. This section forms part of the DLMS/COSEM suite as described in FprEN 62056-1-0. NOTE In the following, the expression Original-SMITP refers to the open protocol originally developed and maintained by the Meters and More Open Technologies association (see Foreword). The Original-SMITP Profiles define the access and exchange of data modelled by the Original-SMITP data model (clause 9) using the Original-SMITP application services (Clause 8). The "Original-SMITP" specifications refer to smart metering system specifications defined prior to the availability of the DLMS/COSEM SMITP B-PSK PLC Profile. The "Original-SMITP" specifications do not form part of the DLMS/COSEM suite of EN 62056.

Keel: en

Alusdokumendid: CLC/TS 50568-8:2015

**CLC/TS 50590:2015****Electricity metering data exchange - Lower layer PLC profile using Adaptive Multi Carrier Spread-Spectrum (AMC-SS) modulation**

This Technical Specification specifies the physical layer, medium access control layer and logical link control layer for communication on an electrical distribution network between a master node and one or more slave nodes using adaptive multi-carrier spread spectrum (AMC SS) technique. The adaptive cellular communication network technology provided in this specification may be used for automated meter reading as well as for other distribution network applications.

Keel: en

Alusdokumendid: CLC/TS 50590:2015

**CLC/TS 52056-8-4:2015****Electricity metering data exchange - The DLMS/COSEM suite - Part 8-4: Narrow-band OFDM PRIME PLC communication profile for neighbourhood networks**

This Technical Specification is part of the EN 62056 / 52056 DLMS/COSEM suite and it specifies the DLMS/COSEM communication profiles for power line carrier neighbourhood networks using the modulation specified in ITU-T G.9904:2012. There are three profiles specified: - a profile using the EN 61334-4-32:1996 LLC layer; - a profile using TCP-UDP/IPv4; - a profile using TCP-UDP/IPv6.

Keel: en

Alusdokumendid: CLC/TS 52056-8-4:2015

**CLC/TS 52056-8-5:2015****Electricity metering data exchange - The DLMS/COSEM suite - Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks**

This Technical Specification specifies the EN 62056 DLMS/COSEM communication profile for metering purposes based on the Recommendations ITU-T G.9901: Narrowband Orthogonal Frequency Division Multiplexing Power Line Communication Transceivers – Power Spectral Density Specification and ITU-T G.9903 Narrow-band orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks, an Orthogonal Frequency Division Multiplexing (OFDM) Power Line Communications (PLC) protocol. The physical layer provides a modulation technique that efficiently utilizes the allowed bandwidth within the CENELEC A band (3 kHz – 95 kHz) (although ITU-T G.9903 defines the protocol for CENELEC B, ARIB and FCC bands as well), thereby allowing the use of advanced channel coding techniques. This combination enables a very robust communication in the presence of narrowband interference, impulsive noise, and frequency selective attenuation. The medium access control (MAC) layer allows the transmission of MAC frames through the use of the power line physical channel. It provides data services, frame validation control, node association and secure services. The 6LoWPAN adaptation sublayer enables an efficient interaction between the MAC and the IPv6 network layers. The IPv6 network protocol; the latest generation of IP (Internet

Protocol), widely opens the range of potential applications and services for metering purposes (but not limited to metering purposes). The transport layer, the application layer and the data model are as specified in the EN 62056 DLMS/COSEM suite.

Keel: en

Alusdokumendid: CLC/TS 52056-8-5:2015

### **CLC/TS 52056-8-7:2015**

#### **Electricity metering data exchange - The DLMS/COSEM suite - Part 8-7: AMC-SS PLC communication profile for neighbourhood networks**

This Technical Specification is part of the EN 62056 / 52056 DLMS/COSEM suite and specifies the DLMS/COSEM communication profile for compatibly extendable power line carrier neighbourhood networks using Adaptive Multi-Carrier Spread-Spectrum (AMC-SS). The physical layer provides a modulation technique that efficiently utilizes the allowed bandwidth within the CENELEC A band (3 kHz – 95 kHz), offering a very robust communication in the presence of narrowband interference, impulsive noise, and frequency selective attenuation. The physical layer of AMC-SS is defined in Clause 5 of CLC/FprTS 50590:2014. The data link (DL) layer consists of three parts, the 'Medium Access Control' (MAC) sub-layer, the Logical Link Control (LLC) sub-layer and the 'Convergence' sub-layer. The data link layer allows the transmission of data frames through the use of the power line physical channel. It provides data services, frame integrity control, routing, registration, multiple access, and cell change functionality. The MAC sub-layer and the LLC sub-layer of AMC-SS are defined in Clause 6 of CLC/FprTS 50590:2014. The Convergence sub-layer is defined in this document. The transport layer, the application layer and the data model are as specified in the EN 62056 DLMS/COSEM suite.

Keel: en

Alusdokumendid: CLC/TS 52056-8-7:2015

### **EVS-EN 1113:2015**

#### **Sanitary tapware - Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 - General technical specification**

This European Standard specifies: - the dimensional, leaktightness, mechanical and hydraulic characteristics with which shower hoses should comply; - the procedures for testing these characteristics. This European Standard applies to shower hoses of any material used for ablutionary purposes and intended for equipping and supplementing sanitary tapware for baths and showers. This European Standard applies to shower hoses connected downstream of the obturator of the tapware. Hoses which are an integral part of sanitary tapware (sink and wash basin mixing valves) or hoses intended to connect sanitary tapware to the water supplies are not covered by this European Standard. Details of pressures and temperatures are given in Table 1.

Keel: en

Alusdokumendid: EN 1113:2015

Asendab dokumenti: EVS-EN 1113:2008+A1:2011

### **EVS-EN 12730:2015**

#### **Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of resistance to static loading**

This European Standard specifies a test for puncture by static loading for roofing membranes. Mechanical stress on membranes varies from static long-term loads to dynamic short-term loads. This method represents the static category of load where the stress is applied over a period of time. This European Standard may also be applied for waterproofing.

Keel: en

Alusdokumendid: EN 12730:2015

Asendab dokumenti: EVS-EN 12730:2001

### **EVS-EN 13120:2009+A1:2014/AC:2015**

#### **Rulood sisekasutuses. Nõuded jõudlusele ja ohutusele Internal blinds - Performance requirements including safety**

Cottection to EN 13120:2009+A1:2014

Keel: en

Alusdokumendid: EN 13120:2009+A1:2014/AC:2015

Parandab dokumenti: EVS-EN 13120:2009+A1:2014

### **EVS-EN 13782:2015**

#### **Temporary structure - Tents - Safety**

This European Standard specifies safety requirements which need to be observed at design, calculation, manufacture, installation, maintenance, of mobile, temporary installed tents with more than 50 m<sup>2</sup> ground area. This European Standard applies also to multiple small tents which are normally not covered by this standard and will be installed close together and exceed 50 m<sup>2</sup> in sum. NOTE Information is given in Annex C on Examination and Approval.

Keel: en

Alusdokumendid: EN 13782:2015

Asendab dokumenti: EVS-EN 13782:2006

### **EVS-EN 13823:2010+A1:2015**

#### **Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

#### **Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item**

See Euroopa standard määratleb katsemeetodi, millega määratakse tuletundlikkust ehitustoodetele, välja arvatud põrandakattematerjalidele, samuti materjalidele, millele on viidatud EÜ otsuse 2000/147/EÜ tabelis 1, kui termiline mõjutaja on üksik põlev objekt (SBI – Single Burning Item). Arvutused on ära toodud lisas A. Informatsioon meetodi täpsuse kohta on ära toodud lisas B. Kalibreerimisprotseduurid on ära toodud lisades C ja D, millest lisa C on normlisa. MÄRKUS Euroopa standard on välja töötatud põhiliselt lamedate toodete tuletundlikkuse kindlaks määramiseks. Teatud tootegruppide, näiteks torude, kanalite, kaablite jne, toodete käsitlemine nõuab erireegleid.

Keel: en, et

Alusdokumendid: EN 13823:2010+A1:2014

Asendab dokumenti: EVS-EN 13823:2010

### **EVS-EN 15743:2010+A1:2015**

#### **Supersulfaattsement. Koostis, spetsifikatsioonid ja vastavuskriteeriumid**

#### **Supersulfated cement - Composition, specifications and conformity criteria**

This European Standard defines and gives the specifications of supersulfated cement and its constituents. The definition of supersulfated cement includes the proportions in which the constituents are to be combined to produce products in accordance with this standard. The definition also includes requirements the constituents have to meet and the mechanical, physical, chemical including heat of hydration requirements. This standard also states the conformity criteria and the related rules. NOTE 1 In addition to the specified requirements, an exchange of additional information between the cement manufacturer and user may be helpful. The procedures for such an exchange are not within the scope of this standard but should be dealt with in accordance with national standards or regulations or may be agreed between the parties concerned. NOTE 2 The word "cement" in this standard is used to refer only to supersulfated cement unless otherwise specified.

Keel: en

Alusdokumendid: EN 15743:2010+A1:2015

Asendab dokumenti: EVS-EN 15743:2010

### **EVS-EN 834:2013/AC:2015**

#### **Heat cost allocators for the determination of the consumption of room heating radiators - Appliances with electrical energy supply**

Parandus standardile EVS-EN 834:2013

Keel: en

Alusdokumendid: EN 834:2013/AC:2015

Parandab dokumenti: EVS-EN 834:2013

### **EVS-EN ISO 25745-2:2015**

#### **Energy performance of lifts, escalators and moving walks - Part 2: Energy calculation and classification for lifts (elevators) (ISO 25745-2:2015)**

This standard specifies: a) a method to estimate energy consumption based on measured values, calculation or simulation, on an annual basis for traction and hydraulic lifts on a single unit basis; b) energy classification system for new, existing and modernized traction and hydraulic lifts on a single unit basis; c) guidelines for reducing energy consumption of existing lifts that can support building environmental and energy classification systems This standard only considers the energy performance during the operational portion of the life cycle of the traction and hydraulic lifts.

Keel: en

Alusdokumendid: EN ISO 25745-2:2015; ISO 25745-2:2015

### **EVS-EN ISO 25745-3:2015**

#### **Energy performance of lifts, escalators and moving walks - Part 3: Energy calculation and classification of escalators and moving walks (ISO 25745-3:2015)**

This standard specifies: a) generic tools for estimating energy consumption of escalators and moving walks. b) a consistent method for energy performance classification of existing, modernised or new escalators and moving walks; c) guidelines for reducing energy consumption of existing escalators and moving walks that can support building environmental and energy rating systems. 1.2 This standard considers the energy performance during the operational portion of the life cycle of escalators and moving walks. It covers also energy aspects of the ancillary equipment, such as: a) lighting with the exception of comb plate lighting, step gap lighting and traffic light; NOTE 1 to entry Comb plate lighting, step gap lighting and traffic light are considered as essential for the operation of the equipment and are therefore not defined as ancillary equipment.

Keel: en

Alusdokumendid: EN ISO 25745-3:2015; ISO 25745-3:2015

**CLC/TS 50594:2015****Tumble dryers for commercial use - Methods for measuring the performance**

This Technical Specification is applicable to tumble dryers for commercial use of the automatic and non-automatic type, incorporating an electric or steam heating device. It also includes tumble dryers which use gas as a heating source with a reference to appropriate EN gas standards. The object is to state and define the principal performance characteristics of tumble dryers for commercial use of interest to users and to describe standard methods for measuring these characteristics. NOTE It does not apply to transfer tumble dryers or dryers with automatic loading and unloading.

Keel: en

Alusdokumendid: CLC/TS 50594:2015

**CLC/TS 50640:2015****Clothes washing machines for commercial use - Methods for measuring the performance**

This Technical Specification specifies methods for measuring the performance of clothes washing machines for commercial use utilizing cold and/or hot water supply and without heating or with heating devices for electricity, steam or gas. It also deals with appliances for both washing and drying textiles (washer-dryers) with respect to their washing related functions. This Technical Specification covers top, front and side loaded non household washing machines with horizontal or vertical axis and with one or more wash compartments. NOTE 1 Non household tumble dryer performance is assessed to CLC/TS 50594. NOTE 2 Installation and energy calculations of non-household washing machines heated with gas is assessed in EN ZZZZZ. The object is to state and define the principal performance characteristics of non-household washing machines and to describe the test methods for measuring these characteristics. NOTE 3 This Technical Specification does not apply to continuous batch washing machines (e.g. tunnel washers) or washing machines only possible to operate with automatic loading and unloading. NOTE 4 This Technical Specification does not specify safety requirements for non-household washing machines. Safety requirements are specified in EN 50571 and the EN ISO 10472 series.

Keel: en

Alusdokumendid: CLC/TS 50640:2015

**EVS-EN 13089:2011+A1:2015****Mägironimise varustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid  
Mountaineering equipment - Ice-tools - Safety requirements and test methods**

This European Standard specifies safety requirements and test methods for ice-tools for use in mountaineering including climbing, and as a buried anchor for protection against falls.

Keel: en

Alusdokumendid: EN 13089:2011+A1:2015

Asendab dokumenti: EVS-EN 13089:2011

**EVS-EN 13553:2015****Resilient floor coverings - Polyvinyl chloride floor coverings for use in special wet areas - Specification**

This European standard specifies the minimum additional characteristics which are necessary for: - polyvinyl chloride floor coverings in roll form according to EN ISO 10581 or EN ISO 10582 and - polyvinyl chloride floor coverings with foam backing in roll form to EN 651 to be installed satisfactorily in special wet areas to form a watertight installation with a long life. It specifies two categories (A and B) for use on different substrates.

Keel: en

Alusdokumendid: EN 13553:2015

Asendab dokumenti: EVS-EN 13553:2002

**EVS-EN 14619:2015****Roller sports equipment - Kick scooters - Safety requirements and test methods**

This European Standard applies to kick scooters which can only be propelled by the muscular activity of a user with a body mass of more than 20 kg and less than 100 kg. It specifies safety requirements, test methods, marking and information supplied by the manufacturer to reduce the risk of injuries to both third parties and the user during normal use. Kick scooters for use by users of less than 20 kg do not belong to the scope of this European Standard. They are toys. It should be noted that there are two types of scooters for the weight group 20 kg to 50 kg – those classified as sports equipment for use on public roads and path ways (this European Standard) and those classified as toys for domestic use (according to EN 71-1).

Keel: en

Alusdokumendid: EN 14619:2015

Asendab dokumenti: EVS-EN 14619:2005

**EVS-EN 16122:2012/AC:2015****Domestic and non-domestic storage furniture - Test methods for the determination of strength, durability and stability**

Corrigendum to EN 16122:2012

Keel: en

Alusdokumendid: EN 16122:2012/AC:2015  
Parandab dokumenti: EVS-EN 16122:2012

### **EVS-EN 16515:2015**

#### **Conservation of Cultural Heritage - Guidelines to characterize natural stone used in cultural heritage**

This European Standard specifies a methodology for the characterization of sound or deteriorated stones by using the most appropriate analytical techniques on samples taken from the object. This European Standard contains guidelines for the selection of methods to determine mineralogical, textural, physical, chemical and mechanical properties of natural stone used in cultural heritage monuments and objects. This information is used to define rock typology and to evaluate the stone's condition with respect to its conservation as well as for understanding of deterioration processes of natural stone. Where possible existing standards are referred to and guidance provided where different specimens are required and additional methods used. The methods described are generally destructive, however, non-destructive (NDT) methods are always preferable to methods with a minimum of destruction and those are always preferable to destructive methods. Methods used for stone analysis can vary depending upon the objectives of the work. All investigation and analysis need be proportional to the significance of the building or artefact being investigated, its condition and the likely level of intervention. This European Standard will be used to determine the kind, extent, and objectives of the examination to be made.

Keel: en

Alusdokumendid: EN 16515:2015

### **EVS-EN 16630:2015**

#### **Permanently installed outdoor fitness equipment - Safety requirements and test methods**

This European standard specifies general safety requirements for the manufacture, installation, inspection and maintenance of permanently installed, freely accessible outdoor fitness equipment. This standard does not cover electrically driven equipment, functional training facilities (typically with unrestrained weights) nor military style obstacle courses. The equipment is intended for youths and adults or users having an overall height greater than 1 400 mm to promote fitness by using the equipment to exercise. Equipment covered by this standard is not playground equipment for children (EN 1176 series), indoor stationary training equipment (EN 957 series) or free access multi-sports equipment (EN 15312) even if it meets the requirements of each of these standards. NOTE In this standard "permanently installed outdoor fitness equipment" is simply called "fitness equipment".

Keel: en

Alusdokumendid: EN 16630:2015

### **EVS-EN 50491-2:2010/A1:2015**

#### **General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 2: Environmental conditions**

Amendment to EN 50491-2:2010

Keel: en

Alusdokumendid: EN 50491-2:2010/A1:2015

Muudab dokumenti: EVS-EN 50491-2:2010

### **EVS-EN 60335-2-5:2015**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded nõudepesumasinatele**

#### **Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

This International Standard deals with the safety of electric dishwashers for household and similar purposes that are intended for washing and rinsing dishes, cutlery and other utensils, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances intended for normal household and similar use and that may also be used by laymen in shops, in light industry and on farms, are within the scope of this standard. However, if the appliance is intended to be used professionally for washing and rinsing dishes and cutlery and other utensils that are used for commercial purposes, the appliance is not considered to be for household and similar use only. 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; - children playing with the appliance.

Keel: en

Alusdokumendid: EN 60335-2-5:2015; IEC 60335-2-5:2012

Asendab dokumenti: EVS-EN 60335-2-5:2003

Asendab dokumenti: EVS-EN 60335-2-5:2003/A1:2005

Asendab dokumenti: EVS-EN 60335-2-5:2003/A11:2009

Asendab dokumenti: EVS-EN 60335-2-5:2003/A12:2012

Asendab dokumenti: EVS-EN 60335-2-5:2003/A2:2008

### **EVS-EN 60335-2-6:2015**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded kohtkindlatele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**

## Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances

This International Standard deals with the safety of stationary electric cooking ranges, hobs, ovens and similar appliances for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. NOTE 101 Examples of appliances that are within the scope of this standard are – griddles; – grills; – induction hobs; – induction wok elements; – pyrolytic self-cleaning ovens; – steam ovens. 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; – children playing with the appliance. 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, the national water supply authorities and similar authorities. NOTE 103 This standard does not apply to – appliances intended for commercial catering; – 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); – grills, toasters and similar portable cooking appliances (IEC 60335-2-9); – microwave ovens (IEC 60335-2-25).

Keel: en

Alusdokumendid: EN 60335-2-6:2015; IEC 60335-2-6:2014

Asendab dokumenti: EVS-EN 60335-2-6:2003

Asendab dokumenti: EVS-EN 60335-2-6:2003/A1:2006

Asendab dokumenti: EVS-EN 60335-2-6:2003/A11:2011

Asendab dokumenti: EVS-EN 60335-2-6:2003/A12:2012

Asendab dokumenti: EVS-EN 60335-2-6:2003/A13:2013

Asendab dokumenti: EVS-EN 60335-2-6:2003/A2:2008

### EVS-EN 61591:2002/A12:2015

#### Majapidamises kasutatavad õhupuhasseadmed ja muud toiduvalmistusaurude äratõmbevahendid. Toimivuse mõõtemetodid

#### Household range hoods and other cooking fume extractors - Methods for measuring performance

Amendment to EN 61591:1997

Keel: en

Alusdokumendid: EN 61591:1997/A12:2015

Muudab dokumenti: EVS-EN 61591:2002

### EVS-EN 62115:2005/A12:2015

#### Elektrilised mänguasjad. Ohutus

#### Electric toys - Safety

Muudatus standardile EN 62115:2005

Keel: en, et

Alusdokumendid: EN 62115:2005/A12:2015

Muudab dokumenti: EVS-EN 62115:2005

Muudab dokumenti: EVS-EN 62115:2005+A2:2011+A11:2012

### EVS-EN 62115:2005+A2+A11+A12

#### Elektrilised mänguasjad. Ohutus

#### Electric toys – Safety (IEC 62115:2003 + A1:2004, modified + IEC 62115:2003/A2:2010, modified)

See Euroopa standard määrab kindlaks elektrilise ohutuse nõuded mänguasjadele, millel on vähemalt üks elektrist sõltuv funktsioon; mänguasjadele, mis on mistahes toode ning mis on üheselt konstrueeritud või mõeldud, kas ainult või mitte, mängimisel kasutamiseks lastele vanuses alla 14 eluaasta. MÄRKUS 1 Näited mänguasjadest, mis jäävad samuti antud standardi käsitlusalasse, on järgmised: — koostekomplektid; — katsekomplektid; — funktsionaalsed mänguasjad (mänguasi, mis toimib ja mida kasutatakse samal viisil nagu toodet, seadet või installatsiooni, mis on mõeldud kasutamiseks täiskasvanutele, ning mis võib olla sellise toote, seadme või installatsiooni vähendatud mõõtudes koopia); — arvutimänguasjad; — mänguarvutid. Täiendavad nõuded katsekomplektidele antakse lisa A. Mänguasjad, mis kasutavad elektrit sekundaarsete funktsioonide tarvis, kuuluvad samuti selle standardi käsitlusalasse. MÄRKUS 2 Sellise mänguasja näiteks on nukumaja, millel on lamp sees. Täiendavad nõuded mänguasjadele, mis sisaldavad lasereid ja valgusdioode, antakse lisa E. Kui on mõeldud, et laps mängib ka pakendiga, siis loetakse viimane samuti mänguasja osaks. See Euroopa standard hõlmab vaid mänguasjade ohutuse elektrilisi aspekte. Mitteelektrilisi aspekte hõlmab standardisari EN 71. Täpsemalt vaadake lisadest ZZA ja ZZB. MÄRKUS 3 Mänguasjade trafosid (IEC 61558-2-7 lineaarset tüüpi trafodele või IEC 61558-2-7 ja IEC 61558-2-16 lülitatavat tüüpi trafodele), akulaadijaid (IEC 60335-2-29) ning lastele kasutamiseks mõeldud akulaadijaid (IEC 60335-2-29 lisa AA) ei loeta mänguasja osadeks isegi siis, kui nad tarnitakse koos mänguasjaga. See Euroopa standard ei rakendu järgmistele mänguasjadele: — mänguväljaku seadmed, mis on mõeldud avalikes kohtades kasutamiseks; — automaatsed müntidega või ilma kasutatavad mängumasinad, mis on mõeldud avalikes kohtades kasutamiseks; — mängu-sõiduvahendid, mis on varustatud sisevälisemootoritega; — mängu-aurumasinad; — lingud ja katapuldid. Lisaks sellele ei hõlma standard järgmisi tooteid, mida selle Euroopa standardi mõistes ei käsitleta mänguasjadena: — elektrilised dekoratiivsed robotid (EN 50410); — dekoratiivsed esemed pidustusteks ja pühadeks; — spordivarustus, k.a rulluisud, reasuisud/ratasuisud ja rulad, mis on mõeldud lastele kehahamassiga rohkem kui 20 kg; — jalgrattad sadula maksimaalse kõrgusega rohkem kui 435 mm mõõdetuna vertikaalsuunas maapinnalt sadula pealispinnani, kui iste on horisontaalasendis ja sadula varras on seatud minimaalse sisestamise märgile; — tõukerattad ja muud transpordivahendid, mis

on konstrueeritud sportimiseks, või mis on mõeldud kasutamiseks liikumisel avalikel teedel või avalikel sõiduteedel; — elektri jõul liikuvad sõiduvahendid, mis on mõeldud kasutamiseks liikumisel avalikel teedel, avalikel sõiduteedel või nende kõnniteedel; — vees kasutatav varustus, mis on mõeldud kasutamiseks sügavas vees ning lastele ujumise õpetamise vahendid, nagu ujumisistmed ja ujumise abivahendid; — pusled, millel on rohkem kui 500 detaili; — surugaasil töötavad püssid ja püstolid, välja arvatud veepüssid ja -püstolid, samuti sportvibud pikkusega üle 120 cm; — tooted ja mängud, mis kasutavad teravaotsalisi viskevahendeid, nagu metallist otstega nooleviskekomplektid; — funktsionaalsed õppeotstarbelised tooted, nagu elektripliidid, triikraud või teised funktsionaalsed tooted, mis töötavad nominaalpingel üle 24 V, ning mida müüakse õpetamiseks ainult täiskasvanute järelevalve all; — ilutulestikuvahendid, k.a tongid, mis ei ole otseselt mänguasjadele konstrueeritud; — tooted, mis on mõeldud kasutamiseks õppeotstarbel koolides ning muudes pedagoogilistes tegevustes täiskasvanud instruktorite järelevalve all, nagu teadusotstarbeline varustus; — elektroonikaseadmed, nagu personaalarvutid ja mängukonsoolid, mida kasutatakse juurdepääsuks interaktiivsele tarkvarale, ning nendega kaasnevad perifeersed seadmed, kui need elektroonikaseadmed või nendega kaasnevad perifeersed seadmed ei ole otseselt konstrueeritud ja suunatud lastele ning neil omal on mänguline väärtus, nagu spetsiaalselt konstrueeritud personaalarvutid, klaviatuurid, juhtkangid või juhtimisroolid; — interaktiivne tarkvara, mis on mõeldud puhke- ja lõbustustegevuseks, nagu arvutimängud ja nende salvestusmeedia, nagu CD-d; — lastele mõeldud valgustid; — laste ehted, mida ei kasutata mängimiseks; — beebide lutid; — kolleksionääridele mõeldud tooted tingimusel, et toode või selle pakend kannab nähtavat ja loetavat tähistust, et see on mõeldud kolleksionääridele vanuses 14 eluaastat ja üle selle. NÄIDETEKS sellist liiki toodetest on — detailsed ja tõetruud miniatuursed mudelid, — komplektid täpsete miniatuursete mudelite kokkupanekuks, — rahvariides nukud, dekoratiivsed nukud ja teised sarnased tooted, — ajalooliste mänguasjade koopiad ning — reaalsete tulirelvade reproduktsioonid.

Keel: en, et

Alusdokumendid: EN 62115:2005; EN 62115:2005/A2:2011; EN 62115:2005/A11:2012; EN 62115:2005/A12:2015; IEC 62115:2011

### **EVS-EN 62885-3:2015**

#### **Surface cleaning appliances - Part 3: Wet carpet cleaning appliances - Methods for measuring the performance**

IEC 62885-3:2014 is applicable to wet cleaning appliances for household use for carpet cleaning in or under conditions similar to those in households. This part of IEC 62885 is not applicable to steam cleaning vacuums. The purpose of this standard is to: - specify the essential performance characteristics of wet cleaning appliances being of interest to users - describe methods for measuring these characteristics and - be complementary to the methods for dry vacuum cleaners in IEC 60312-1. This first edition cancels and replaces the first edition of IEC 60312-2 published in 2010. This edition constitutes a technical revision.

Keel: en

Alusdokumendid: IEC 62885-3:2014; EN 62885-3:2015

### **EVS-EN ISO 13894-1:2015**

#### **High-pressure decorative laminates - Composite elements - Part 1: Test methods (ISO 13894-1:2000)**

This part of ISO 13894 specifies the methods of test for determination of the properties of composite elements surfaced, and possibly edged, with high-pressure decorative laminate (HPDL) as defined in clause 3.

Keel: en

Alusdokumendid: ISO 13894-1:2000; EN ISO 13894-1:2015

### **EVS-EN ISO 13894-2:2015**

#### **High-pressure decorative laminates - Composite elements - Part 2 : Specifications for composite elements with wood-based substrates for interior use (ISO 13894-2:2005)**

This part of ISO 13894 describes the general properties of composite elements surfaced, and possibly edged, with high-pressure decorative laminate (HPDL) as defined in Clause 3. The composite elements specified in this part of ISO 13894 consist of HPDL sheet material adhesively bonded to one or both sides of a woodbased substrate, and are intended for normal interior use. Requirements for special applications, e.g. where the product is subjected to extreme conditions of heat or moisture, are not part of this part of ISO 13894, although Part 1 of this International Standard describes test methods for additional properties which may be applicable to such applications (see ISO 13894-1:2000, Subclause 3.1, Note 3). Test methods and performance levels for special applications shall be agreed between customer and supplier. Information concerning test methods for special applications is given in Annex A.

Keel: en

Alusdokumendid: ISO 13894-2:2005; EN ISO 13894-2:2015

# ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### **EVS-EN 12584:1999**

#### **Imperfections in oxyfuel flame cuts, laser beam cuts and plasma cuts - Terminology**

Keel: en

Alusdokumendid: EN 12584:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 17658:2015

### **EVS-EN 764-1:2004**

#### **Pressure equipment - Terminology - Part 1: Pressure, temperature, volume, nominal size**

Keel: en

Alusdokumendid: EN 764-1:2004

Asendatud järgmise dokumendiga: EVS-EN 764-1:2015

### **EVS-EN 764-3:2002**

#### **Pressure equipment - Part 3: Definition of parties involved**

Keel: en

Alusdokumendid: EN 764-3:2002

Asendatud järgmise dokumendiga: EVS-EN 764-1:2015

### **EVS-EN ISO 10318:2007**

#### **Geosünteedid. Terminid ja määratlused Geosynthetics - Terms and definitions**

Keel: en, et

Alusdokumendid: ISO 10318:2005; EN ISO 10318:2005

Asendatud järgmise dokumendiga: EVS-EN ISO 10318-1:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 10318-2:2015

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

### **EVS-EN 15722:2011**

#### **Intelligent transport systems - ESafety - ECall minimum set of data (MSD)**

Keel: en

Alusdokumendid: EN 15722:2011

Asendatud järgmise dokumendiga: EVS-EN 15722:2015

### **EVS-EN 16062:2011**

#### **Intelligent transport systems - ESafety - ECall high level application requirements (HLAP)**

Keel: en

Alusdokumendid: EN 16062:2011

Asendatud järgmise dokumendiga: EVS-EN 16062:2015

### **EVS-EN 16072:2011**

#### **Intelligent transport systems - eSafety - Pan-European eCall operating requirements**

Keel: en

Alusdokumendid: EN 16072:2011

Asendatud järgmise dokumendiga: EVS-EN 16072:2015

## 11 TERVISEHOOLDUS

### **EVS-EN 13697:2002**

#### **Chemical disinfectants and antiseptics - Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2/step 2)**

Keel: en

Alusdokumendid: EN 13697:2001

Asendatud järgmise dokumendiga: EVS-EN 13697:2015

#### **EVS-EN 14675:2006**

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

Keel: en

Alusdokumendid: EN 14675:2006

Asendatud järgmise dokumendiga: EVS-EN 14675:2015

#### **EVS-EN 455-3:2007**

**Ühekordselt kasutatavad meditsiinilised kindad. Osa 3: Nõuded ja katsetamine bioloogiliseks hindamiseks**

**Medical gloves for single use - Part 3: Requirements and testing for biological evaluation**

Keel: en

Alusdokumendid: EN 455-3:2006

Asendatud järgmise dokumendiga: EVS-EN 455-3:2015

#### **EVS-EN ISO 11144:1999**

**Hambaraviaparatuur. Toite- ja äravoolutorude ühendused**  
**Dental equipment - Connections for supply and waste lines**

Keel: en

Alusdokumendid: ISO 11144:1995; EN ISO 11144:1996

Asendatud järgmise dokumendiga: EVS-EN ISO 7494-2:2015

#### **EVS-EN ISO 7439:2011**

**Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO 7439:2011)**

Keel: en

Alusdokumendid: ISO 7439:2011; EN ISO 7439:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 7439:2015

#### **EVS-EN ISO 7494-2:2004**

**Dentistry - Dental units - Part 2: Water and air supply**

Keel: en

Alusdokumendid: ISO 7494-2:2003; EN ISO 7494-2:2003

Asendatud järgmise dokumendiga: EVS-EN ISO 7494-2:2015

### **13 KESKKONNA- JA TERVISEKAITSE. OHUTUS**

#### **CEN/TS 14429:2005**

**Characterization of waste - Leaching behaviour tests - Influence of pH on leaching with initial acid/base addition**

Keel: en

Alusdokumendid: CEN/TS 14429:2005

Asendatud järgmise dokumendiga: EVS-EN 14429:2015

#### **CEN/TS 14997:2006**

**Characterization of waste - Leaching behaviour tests - Influence of pH on leaching with continuous pH-control**

Keel: en

Alusdokumendid: CEN/TS 14997:2006

Asendatud järgmise dokumendiga: EVS-EN 14997:2015

#### **CEN/TS 15863:2012**

**Characterisation of waste - Leaching behaviour test for basic characterisation - Dynamic monolithic leaching test with periodic leachant renewal, under fixed test conditions**

Keel: en

Alusdokumendid: CEN/TS 15863:2012

Asendatud järgmise dokumendiga: EVS-EN 15863:2015

#### **CLC/TR 50404:2003**

**Electrostatics - Code of practice for the avoidance of hazards due to static electricity**

Keel: en  
Alusdokumendid: CLC/TR 50404:2003  
Asendatud järgmise dokumendiga: CLC/TR 60079-32-1:2015

### **EVS-EN 133:2001**

#### **Hingamisteede kaitsevahendid. Klassifikatsioon Respiratory protective devices - Classification**

Keel: en  
Alusdokumendid: EN 133:2001

### **EVS-EN 13823:2010**

#### **Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item**

Keel: en, et  
Alusdokumendid: EN 13823:2010  
Asendatud järgmise dokumendiga: EVS-EN 13823:2010+A1:2015

### **EVS-EN 14806:2005**

#### **Packaging - Preliminary evaluation of the disintegration of packaging materials under simulated composting conditions in a laboratory scale test**

Keel: en  
Alusdokumendid: EN 14806:2005

### **EVS-EN 15002:2006**

#### **Characterization of waste - Preparation of test portions from the laboratory sample**

Keel: en  
Alusdokumendid: EN 15002:2006  
Asendatud järgmise dokumendiga: EVS-EN 15002:2015

### **EVS-EN 16072:2011**

#### **Intelligent transport systems - eSafety - Pan-European eCall operating requirements**

Keel: en  
Alusdokumendid: EN 16072:2011  
Asendatud järgmise dokumendiga: EVS-EN 16072:2015

### **EVS-EN 50132-7:2012**

#### **Alarm systems - CCTV surveillance systems for use in security applications - Part 7: Application guidelines**

Keel: en  
Alusdokumendid: EN 50132-7:2012  
Asendatud järgmise dokumendiga: EVS-EN 62676-4:2015

### **EVS-EN 54-12:2003**

#### **Automaatne tulekahjusignalisatsioonisüsteem. Osa 12: Suitsuandurid. Optilist valguskiirt kasutavad joonandurid Fire detection and fire alarm systems - Part 12: Smoke detectors - Line detectors using an optical light beam**

Keel: en  
Alusdokumendid: EN 54-12:2002  
Asendatud järgmise dokumendiga: EVS-EN 54-12:2015

### **EVS-EN 60335-2-5:2003**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en  
Alusdokumendid: IEC 60335-2-5:2002 + corr:2003; EN 60335-2-5:2003  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A1:2005  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A11:2009

Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A12:2012  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A2:2008

#### **EVS-EN 60335-2-5:2003/A1:2005**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**  
**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en  
Alusdokumendid: IEC 60335-2-5:2002/A1:2005; EN 60335-2-5:2003/A1:2005  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

#### **EVS-EN 60335-2-5:2003/A11:2009**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**  
**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en  
Alusdokumendid: EN 60335-2-5:2003/A11:2009  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

#### **EVS-EN 60335-2-5:2003/A12:2012**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**  
**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en  
Alusdokumendid: EN 60335-2-5:2003/A12:2012  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

#### **EVS-EN 60335-2-5:2003/A2:2008**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**  
**Household and similar electrical appliances - Safety -- Part 2-5: Particular requirements for dishwashers**

Keel: en  
Alusdokumendid: IEC 60335-2-5:2002/A2:2008; EN 60335-2-5:2003/A2:2008  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

#### **EVS-EN 60335-2-6:2003**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en  
Alusdokumendid: IEC 60335-2-6:2002; EN 60335-2-6:2003  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A1:2006  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A11:2011  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A12:2012  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A13:2013  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A2:2008  
Parandatud järgmise dokumendiga: EVS-EN 60335-2-6:2003/AC:2007

#### **EVS-EN 60335-2-6:2003/A1:2006**

**Muudatus 1. Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Amendment 1 - Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en  
Alusdokumendid: IEC 60335-2-6:2002/A1:2004; EN 60335-2-6:2003/A1:2005  
Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

#### **EVS-EN 60335-2-6:2003/A11:2011**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taolistele seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: EN 60335-2-6:2003/A11:2010

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

Parandatud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A11:2011/AC:2012

#### **EVS-EN 60335-2-6:2003/A12:2012**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taolistele seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: EN 60335-2-6:2003/A12:2012

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

#### **EVS-EN 60335-2-6:2003/A13:2013**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taolistele seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: EN 60335-2-6:2003/A13:2013

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

#### **EVS-EN 60335-2-6:2003/A2:2008**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taolistele seadmetele**  
**Household and similar electrical appliances - Safety -- Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: IEC 60335-2-6:2002/A2:2008; EN 60335-2-6:2003/A2:2008

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

#### **EVS-EN 61285:2005**

**Industrial-process control - Safety of analyser houses**

Keel: en

Alusdokumendid: IEC 61285:2004; EN 61285:2004

Asendatud järgmise dokumendiga: EVS-EN 61285:2015

### **19 KATSETAMINE**

#### **EVS-EN 61010-2-051:2004**

**Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-051: Erinõuded laboratooriumiseadmetele**  
**Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring**

Keel: en

Alusdokumendid: IEC 61010-2-051:2003; EN 61010-2-051:2003

Asendatud järgmise dokumendiga: EVS-EN 61010-2-051:2015

#### **EVS-EN 61010-2-061:2004**

**Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-061: Erinõuded laboratooriumiseadmetele termilisel atomiseerimisel ja ioniseerimisel põhinevatele aatomspektromeetritele**  
**Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization**

Keel: en

Alusdokumendid: IEC 61010-2-061:2003; EN 61010-2-061:2003  
Asendatud järgmise dokumendiga: EVS-EN 61010-2-061:2015

## 23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

### **EVS-EN 1113:2008+A1:2011**

#### **Sanitary tapware - Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 - General technical specification**

Keel: en  
Alusdokumendid: EN 1113:2008+A1:2011  
Asendatud järgmise dokumendiga: EVS-EN 1113:2015

### **EVS-EN 12117:1999**

#### **Plasttorustikusüsteemid. Liitmikud, ventiilid ja abivarustus. Gaasi vooluhulga ja surveangu suhte kindlaksmääramine**

#### **Plastics piping systems - Fittings, valves and ancillaries - Determination of gaseous flow rate/pressure drop relationships**

Keel: en  
Alusdokumendid: EN 12117:1997  
Asendatud järgmise dokumendiga: EVS-EN ISO 17778:2015

### **EVS-EN 715:1999**

#### **Termoplastist torustikusüsteemid. Otstugede ühendused väikese läbimõõduga survetorude ja liitmike vahel. Tihkuse katsemeetod sisemise veesurve all, kaasa arvatud teljesuunaline rõhk**

#### **Thermoplastics piping systems - End-load bearing joints between small diameter pressure pipes and fittings - Test method for leaktightness under internal water pressure, including end thrust**

Keel: en  
Alusdokumendid: EN 715:1994  
Asendatud järgmise dokumendiga: EVS-EN ISO 3458:2015

### **EVS-EN 764-1:2004**

#### **Pressure equipment - Terminology - Part 1: Pressure, temperature, volume, nominal size**

Keel: en  
Alusdokumendid: EN 764-1:2004  
Asendatud järgmise dokumendiga: EVS-EN 764-1:2015

### **EVS-EN 764-3:2002**

#### **Pressure equipment - Part 3: Definition of parties involved**

Keel: en  
Alusdokumendid: EN 764-3:2002  
Asendatud järgmise dokumendiga: EVS-EN 764-1:2015

### **EVS-EN 853:1999**

#### **Kummivoolikud ja voolikukomplektid. Punutud traadiga sarrustatud hüdrauliline tüüp. Tehnilised nõuded**

#### **Rubber hoses and hose assemblies - Wire braid reinforced hydraulic type - Specification**

Keel: en  
Alusdokumendid: EN 853:1996  
Asendatud järgmise dokumendiga: EVS-EN 853:2015  
Parandatud järgmise dokumendiga: EVS-EN 853:1999/AC:2007

### **EVS-EN 853:1999/AC:2007**

#### **Kummivoolikud ja voolikukomplektid. Punutud traadiga sarrustatud hüdrauliline tüüp. Tehnilised nõuded**

#### **Rubber hoses and hose assemblies - Wire braid reinforced hydraulic type - Specification**

Keel: en  
Alusdokumendid: EN 853:1996/AC:2007  
Asendatud järgmise dokumendiga: EVS-EN 853:2015

### **EVS-EN 854:1999**

#### **Kummivoolikud ja voolikukomplektid. Tekstiilsarrusega hüdrauliline tüüp. Tehnilised nõuded**

## **Rubber hoses and hose assemblies - Textile reinforced hydraulic type - Specification**

Keel: en

Alusdokumendid: EN 854:1996

Asendatud järgmise dokumendiga: EVS-EN 854:2015

### **EVS-EN 856:1999**

**Kummivoolikud ja voolikukomplektid. Kummikattega spiraaltraadiga sarrustatud hüdrauliline tüüp. Tehnilised nõuded**

**Rubber hoses and hose assemblies - Rubber-covered spiral wire reinforced hydraulic type - Specification**

Keel: en

Alusdokumendid: EN 856:1996

Asendatud järgmise dokumendiga: EVS-EN 856:2015

### **EVS-EN 857:1999**

**Kummivoolikud ja voolikukomplektid. Punutud traadiga sarrustatud kompaktne tüüp hüdraulilisteks rakendusteks. Tehnilised nõuded**

**Rubber hoses and hose assemblies - Wire braid reinforced compact type for hydraulic applications - Specification**

Keel: en

Alusdokumendid: EN 857:1996

Asendatud järgmise dokumendiga: EVS-EN 857:2015

### **EVS-EN ISO 6259-1:2002**

**Thermoplastics pipes - Determination of tensile properties - Part 1: General test method**

Keel: en

Alusdokumendid: ISO 6259-1:1997; EN ISO 6259-1:2001

Asendatud järgmise dokumendiga: EVS-EN ISO 6259-1:2015

## **25 TOOTMISTEHNOLÓGIA**

### **EVS-EN 12584:1999**

**Imperfections in oxyfuel flame cuts, laser beam cuts and plasma cuts - Terminology**

Keel: en

Alusdokumendid: EN 12584:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 17658:2015

### **EVS-EN 60745-2-9:2009**

**Käsimooriga elektrilised tööriistad. Ohutus. Osad 2-9: Erinõuded keermelõikuritele**

**Hand-held motor-operated electric tools - Safety - Part 2-9: Particular requirements for tappers**

Keel: en

Alusdokumendid: IEC 60745-2-9:2003 + A1:2008; EN 60745-2-9:2009

Asendatud järgmise dokumendiga: EVS-EN 62841-2-9:2015

### **EVS-EN 61285:2005**

**Industrial-process control - Safety of analyser houses**

Keel: en

Alusdokumendid: IEC 61285:2004; EN 61285:2004

Asendatud järgmise dokumendiga: EVS-EN 61285:2015

### **EVS-EN 62541-10:2012**

**OPC unified architecture - Part 10: Programs**

Keel: en

Alusdokumendid: IEC 62541-10:2012; EN 62541-10:2012

Asendatud järgmise dokumendiga: EVS-EN 62541-10:2015

### **EVS-EN ISO 18278-1:2005**

**Resistance welding - Weldability - Part 1: Assessment of weldability for resistance spot, seam and projection welding of metallic materials**

Keel: en

Alusdokumendid: ISO 18278-1:2004; EN ISO 18278-1:2004

Asendatud järgmise dokumendiga: EVS-EN ISO 18278-1:2015

**CLC/TR 50404:2003**

**Electrostatics - Code of practice for the avoidance of hazards due to static electricity**

Keel: en

Alusdokumendid: CLC/TR 50404:2003

Asendatud järgmise dokumendiga: CLC/TR 60079-32-1:2015

**EVS-EN 50121-1:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 1: Üldpõhimõtted  
Railway applications - Electromagnetic compatibility - Part 1: General**

Keel: en

Alusdokumendid: EN 50121-1:2006

Asendatud järgmise dokumendiga: EVS-EN 50121-1:2015

Parandatud järgmise dokumendiga: EVS-EN 50121-1:2006/AC:2008

**EVS-EN 50121-1:2006/AC:2008**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 1: Üldpõhimõtted  
Railway applications - Electromagnetic compatibility -- Part 1: General**

Keel: en

Alusdokumendid: EN 50121-1:2006/AC:2008

Asendatud järgmise dokumendiga: EVS-EN 50121-1:2015

**EVS-EN 50121-2:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 2: Raudteesüsteemide poolt keskkonda eraldatav kiirgus  
Railway applications - Electromagnetic compatibility Part 2: Emission of the whole railway system to the outside world**

Keel: en

Alusdokumendid: EN 50121-2:2006

Asendatud järgmise dokumendiga: EVS-EN 50121-2:2015

Parandatud järgmise dokumendiga: EVS-EN 50121-2:2006/AC:2008

**EVS-EN 50121-2:2006/AC:2008**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 2: Raudteesüsteemide poolt keskkonda eraldatav kiirgus  
Railway applications - Electromagnetic compatibility -- Part 2: Emission of the whole railway system to the outside world**

Keel: en

Alusdokumendid: EN 50121-2:2006/AC:2008

Asendatud järgmise dokumendiga: EVS-EN 50121-2:2015

**EVS-EN 50121-3-1:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-1: Veerem. Rong ja raudteeveerem  
Railway applications - Electromagnetic compatibility Part 3-1: Rolling stock - Train and complete vehicle**

Keel: en

Alusdokumendid: EN 50121-3-1:2006

Asendatud järgmise dokumendiga: EVS-EN 50121-3-1:2015

Parandatud järgmise dokumendiga: EVS-EN 50121-3-1:2006/AC:2008

**EVS-EN 50121-3-1:2006/AC:2008**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-1: Veerem. Rong ja raudteeveerem  
Railway applications - Electromagnetic compatibility -- Part 3-1: Rolling stock - Train and complete vehicle**

Keel: en

Alusdokumendid: EN 50121-3-1:2006/AC:2008

Asendatud järgmise dokumendiga: EVS-EN 50121-3-1:2015

### **EVS-EN 50121-3-2:2006**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-2: Veerem. Aparatuur Railway applications - Electromagnetic compatibility Part 3-2: Rolling stock - Apparatus**

Keel: en

Alusdokumendid: EN 50121-3-2:2006

Asendatud järgmise dokumendiga: EVS-EN 50121-3-2:2015

Parandatud järgmise dokumendiga: EVS-EN 50121-3-2:2006/AC:2008

### **EVS-EN 50121-5:2006**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 5: Elektrivarustussüsteemi püsipaigaldiste ja seadiste kiirgus ja häirekindlus Railway applications - Electromagnetic compatibility Part 5: Emission and immunity of fixed power supply installations and apparatus**

Keel: en

Alusdokumendid: EN 50121-5:2006

Asendatud järgmise dokumendiga: EVS-EN 50121-5:2015

Parandatud järgmise dokumendiga: EVS-EN 50121-5:2006/AC:2008

### **EVS-EN 50121-5:2006/AC:2008**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 5: Elektrivarustussüsteemi püsipaigaldiste ja seadiste kiirgus ja häirekindlus Railway applications - Electromagnetic compatibility -- Part 5: Emission and immunity of fixed power supply installations and apparatus**

Keel: en

Alusdokumendid: EN 50121-5:2006/AC:2008

Asendatud järgmise dokumendiga: EVS-EN 50121-5:2015

### **EVS-EN 50205:2002**

#### **Relays with forcibly guided (mechanically linked) contacts**

Keel: en

Alusdokumendid: EN 50205:2002

Asendatud järgmise dokumendiga: EVS-EN 61810-3:2015

### **EVS-EN 60079-18:2010**

#### **Plahvatusohtlikud keskkonnad. Osa 18: Seadmete kaitse valumasstäitega „m” Explosive atmospheres -- Part 18: Equipment protection by encapsulation "m"**

Keel: en

Alusdokumendid: IEC 60079-18:2009+AC:2009; EN 60079-18:2009

Asendatud järgmise dokumendiga: EVS-EN 60079-18:2015

### **EVS-EN 60079-5:2007**

#### **Plahvatusohtlikud keskkonnad. Osa 5: Seadmete kaitse pulbertäite abil "q" Explosive atmospheres -- Part 5: Equipment protection by powder filling "q"**

Keel: en

Alusdokumendid: IEC 60079-5:2007; EN 60079-5:2007

Asendatud järgmise dokumendiga: EVS-EN 60079-5:2015

### **EVS-EN 60317-40:2002**

#### **Specifications for particular types of winding wires - Part 40: Glass-fibre braided, silicone varnish-treated, bare or enamelled rectangular copper wire, temperature index 200**

Keel: en

Alusdokumendid: IEC 60317-40:1992+A1:1997; EN 60317-40:1994+A1:1998

Asendatud järgmise dokumendiga: EVS-EN 60317-40:2015

Muudetud järgmise dokumendiga: EVS-EN 60317-40:2002/A2:2006

### **EVS-EN 60317-40:2002/A2:2006**

#### **Specifications for particular types of winding wires Part 40: Glass-fibre braided, resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200**

Keel: en

Alusdokumendid: IEC 60317-40:1992/A2:2005; EN 60317-40:1994/A2:2005

Asendatud järgmise dokumendiga: EVS-EN 60317-40:2015

### **EVS-EN 60664-5:2008**

**Madalpingepaigaldistes kasutatavate seadmete isolatsiooni koordinaatsioon. Osa 5: Üldmeetod enamalt 2 mm laiuste õhk- ja roomevahemike kindlaksmääramiseks**  
**Insulation coordination for equipment within low-voltage systems - Part 5: Comprehensive method for determining clearances and creepage distances equal to or less than 2 mm**

Keel: en, et

Alusdokumendid: IEC 60664-5:2007; EN 60664-5:2007

### **EVS-EN 61810-1:2008**

**Electromechanical elementary relays -- Part 1: General requirements**

Keel: en

Alusdokumendid: IEC 61810-1:2008; EN 61810-1:2008

Asendatud järgmise dokumendiga: EVS-EN 61810-1:2015

### **EVS-EN 61811-1:2002**

**Electromechanical non-specified-time all-or-nothing relays of assessed quality - Part 1: General specification**

Keel: en

Alusdokumendid: IEC 61811-1:1999; EN 61811-1:1999

Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-10:2003**

**Electromechanical elementary relays of assessed quality Part 10: Sectional specification Relays for industrial application**

Keel: en

Alusdokumendid: IEC 61811-10:2002; EN 61811-10:2003

Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-11:2003**

**Electromechanical elementary relays of assessed quality Part 11: Blank detail specification Relays for industrial application**

Keel: en

Alusdokumendid: IEC 61811-11:2002; EN 61811-11:2003

Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-50:2003**

**Electromechanical all-or-nothing relays - Part 50: Sectional specification - Electromechanical all-or-nothing telecom relays of assessed quality**

Keel: en

Alusdokumendid: IEC 61811-50:2002; EN 61811-50:2002

Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-51:2003**

**Electromechanical all-or-nothing relays - Part 51: Blank detail specification - Electromechanical all-or-nothing telecom relays of assessed quality - Non-standardized types and construction**

Keel: en

Alusdokumendid: IEC 61811-51:2002; EN 61811-51:2002

Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-52:2003**

**Electromechanical all-or-nothing relays - Part 52: Blank detail specification - Elektromechanical all-or-nothing telecom relays of assessed quality - Two change-over contacts, 20 mm x 10 mm base**

Keel: en

Alusdokumendid: IEC 61811-52:2002; EN 61811-52:2002

Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-53:2003**

**Electromechanical all-or-nothing relays - Part 53: Blank detail specification - Electromechanical all-or-nothing telecom relays of assessed quality - Two change-over contacts, 14 mm x 9 mm base**

Keel: en

Alusdokumendid: IEC 61811-53:2002; EN 61811-53:2002  
Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-54:2003**

**Electromechanical all-or-nothing relays - Part 54: Blank detail specification - Electromechanical all-or-nothing telecom relays of assessed quality - Two change-over contacts, 15 x 7,5 mm base**

Keel: en  
Alusdokumendid: IEC 61811-54:2002; EN 61811-54:2002  
Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 61811-55:2003**

**Electromechanical all-or-nothing relays - Part 55: Blank detail specification -Electromechanical all-or-nothing telecom relays of assessed quality -Two change-over contacts, 11 mm x 7,5 mm (max.) base**

Keel: en  
Alusdokumendid: IEC 61811-55:2002; EN 61811-55:2002  
Asendatud järgmise dokumendiga: EVS-EN 61811-1:2015

### **EVS-EN 62026-3:2009**

**Madalpingelised lülitusaparaadid. Kontrolleri ja aparadi vahelised liidesed. Osa 3: Seadmevõrk**  
**Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) -- Part 3: DeviceNet**

Keel: en  
Alusdokumendid: IEC 62026-3:2008; EN 62026-3:2009  
Asendatud järgmise dokumendiga: EVS-EN 62026-3:2015

## **31 ELEKTROONIKA**

### **EVS-EN 140402:2002**

**Blank Detail Specification: Fixed low power wire wound surface mounting (SMD) resistors**

Keel: en  
Alusdokumendid: EN 140402:1998  
Asendatud järgmise dokumendiga: EVS-EN 140402:2015

### **EVS-EN 140402-801:2005**

**Detail specification: Fixed low power wire-wound surface mount (SMD) resistors - Rectangular - Stability classes 0,5; 1; 2**

Keel: en  
Alusdokumendid: EN 140402-801:2005  
Asendatud järgmise dokumendiga: EVS-EN 140402-801:2015

## **33 SIDETEHNIKA**

### **EVS-EN 50132-7:2012**

**Alarm systems - CCTV surveillance systems for use in security applications - Part 7: Application guidelines**

Keel: en  
Alusdokumendid: EN 50132-7:2012  
Asendatud järgmise dokumendiga: EVS-EN 62676-4:2015

### **EVS-EN 55014-2:2001**

**Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 2: Häiringukindlus. Tooteperekonna standard**  
**Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard**

Keel: en  
Alusdokumendid: CISPR 14-2:1997; EN 55014-2:1997  
Asendatud järgmise dokumendiga: EVS-EN 55014-2:2015  
Muudetud järgmise dokumendiga: EVS-EN 55014-2:2001/A1:2002  
Muudetud järgmise dokumendiga: EVS-EN 55014-2:2001/A2:2008  
Parandatud järgmise dokumendiga: EVS-EN 55014-2:2001/IS1:2009

### **EVS-EN 55014-2:2001/A1:2002**

**Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 2: Häiringukindlus. Tooteperekonna standard**  
**Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard**

Keel: en

Alusdokumendid: CISPR 55014-2:1997; EN 55014-2:1997/A1:2001

Asendatud järgmise dokumendiga: EVS-EN 55014-2:2015

### **EVS-EN 55014-2:2001/A2:2008**

**Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 2: Häiringukindlus. Tooteperekonna standard**  
**Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard**

Keel: en

Alusdokumendid: CISPR 14-2:1997/A2:2008; EN 55014-2:1997/A2:2008

Asendatud järgmise dokumendiga: EVS-EN 55014-2:2015

### **EVS-EN 55014-2:2001/IS1:2009**

**Interpretation of Subclause 8.4 of EN 55014-2:1997 + A1:2001**

Keel: en

Alusdokumendid: EN 55014-2:1997/IS1:2007

Asendatud järgmise dokumendiga: EVS-EN 55014-2:2015

## **35 INFOTEHNOLOOGIA. KONTORISEADMED**

### **EVS-EN 1545-1:2005**

**Identification card systems - Surface transport applications - Part 1: Elementary data types, general code lists and general data elements**

Keel: en

Alusdokumendid: EN 1545-1: 2005

Asendatud järgmise dokumendiga: EVS-EN 1545-1:2015

### **EVS-EN 1545-2:2005**

**Identification card systems - Surface transport applications - Part 2: Transport and travel payment related data elements and code lists**

Keel: en

Alusdokumendid: EN 1545-2:2005

Asendatud järgmise dokumendiga: EVS-EN 1545-2:2015

### **EVS-EN 15722:2011**

**Intelligent transport systems - ESafety - ECall minimum set of data (MSD)**

Keel: en

Alusdokumendid: EN 15722:2011

Asendatud järgmise dokumendiga: EVS-EN 15722:2015

### **EVS-EN 16062:2011**

**Intelligent transport systems - ESafety - ECall high level application requirements (HLAP)**

Keel: en

Alusdokumendid: EN 16062:2011

Asendatud järgmise dokumendiga: EVS-EN 16062:2015

### **EVS-EN 16072:2011**

**Intelligent transport systems - eSafety - Pan-European eCall operating requirements**

Keel: en

Alusdokumendid: EN 16072:2011

Asendatud järgmise dokumendiga: EVS-EN 16072:2015

### **EVS-ISO/IEC 10373-2:2007**

**Identifitseerimiskaardid – Katsemeetodid – Osa 2: Magnetribaga kaardid**  
**Identification cards — Test methods — Part 2: Cards with magnetic stripes**

Keel: en

## 43 MAANTEESÕIDUKITE EHTUS

### **EVS-EN 1501-1:2011**

#### **Prügikogumissõidukid. Põhi- ja ohutusnõuded. Osa 1: Tagantlaadimisega prügikogumissõidukid**

#### **Refuse collection vehicles - General requirements and safety requirements - Part 1: Rear loaded refuse collection vehicles**

Keel: en  
Alusdokumendid: EN 1501-1:2011  
Asendatud järgmise dokumendiga: EVS-EN 1501-1:2011+A1:2015

### **EVS-EN 16072:2011**

#### **Intelligent transport systems - eSafety - Pan-European eCall operating requirements**

Keel: en  
Alusdokumendid: EN 16072:2011  
Asendatud järgmise dokumendiga: EVS-EN 16072:2015

## 45 RAUDTEETEHNIKA

### **EVS-EN 12930:2004**

#### **Ohutusnõuded inimeste transportimiseks mõeldud köisteepaigaldistele. Arvutused**

#### **Safety requirements for cableway installations designed to carry persons - Calculations**

Keel: en  
Alusdokumendid: EN 12930:2004  
Asendatud järgmise dokumendiga: EVS-EN 12930:2015

### **EVS-EN 13243:2004**

#### **Ohutusnõuded inimeste transportimiseks mõeldud köisteepaigaldistele. Elektriseadmed, v.a. Ajamisüsteemid**

#### **Safety requirements for cableway installations designed to carry persons - Electrical equipment other than for drive systems**

Keel: en  
Alusdokumendid: EN 13243:2004; EN 13243:2004/AC:2005  
Asendatud järgmise dokumendiga: EVS-EN 13243:2015  
Parandatud järgmise dokumendiga: EVS-EN 13243:2004/AC:2013

### **EVS-EN 14752:2006**

#### **Raudteealased rakendused. Veeremi ukseüsteemid**

#### **Railway applications - Bodyside entrance systems**

Keel: en  
Alusdokumendid: EN 14752:2006  
Asendatud järgmise dokumendiga: EVS-EN 14752:2015  
Asendatud järgmise dokumendiga: prEN 14752

### **EVS-EN 50121-1:2006**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 1: Üldpõhimõtted**

#### **Railway applications - Electromagnetic compatibility - Part 1: General**

Keel: en  
Alusdokumendid: EN 50121-1:2006  
Asendatud järgmise dokumendiga: EVS-EN 50121-1:2015  
Parandatud järgmise dokumendiga: EVS-EN 50121-1:2006/AC:2008

### **EVS-EN 50121-1:2006/AC:2008**

#### **Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 1: Üldpõhimõtted**

#### **Railway applications - Electromagnetic compatibility -- Part 1: General**

Keel: en  
Alusdokumendid: EN 50121-1:2006/AC:2008  
Asendatud järgmise dokumendiga: EVS-EN 50121-1:2015

### **EVS-EN 50121-2:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 2: Raudteesüsteemide poolt keskkonda eraldatav kiirgus**  
**Railway applications - Electromagnetic compatibility Part 2: Emission of the whole railway system to the outside world**

Keel: en  
Alusdokumendid: EN 50121-2:2006  
Asendatud järgmise dokumendiga: EVS-EN 50121-2:2015  
Parandatud järgmise dokumendiga: EVS-EN 50121-2:2006/AC:2008

### **EVS-EN 50121-2:2006/AC:2008**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 2: Raudteesüsteemide poolt keskkonda eraldatav kiirgus**  
**Railway applications - Electromagnetic compatibility -- Part 2: Emission of the whole railway system to the outside world**

Keel: en  
Alusdokumendid: EN 50121-2:2006/AC:2008  
Asendatud järgmise dokumendiga: EVS-EN 50121-2:2015

### **EVS-EN 50121-3-1:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-1: Veerem. Rong ja raudteeveerem**  
**Railway applications - Electromagnetic compatibility Part 3-1: Rolling stock - Train and complete vehicle**

Keel: en  
Alusdokumendid: EN 50121-3-1:2006  
Asendatud järgmise dokumendiga: EVS-EN 50121-3-1:2015  
Parandatud järgmise dokumendiga: EVS-EN 50121-3-1:2006/AC:2008

### **EVS-EN 50121-3-1:2006/AC:2008**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-1: Veerem. Rong ja raudteeveerem**  
**Railway applications - Electromagnetic compatibility -- Part 3-1: Rolling stock - Train and complete vehicle**

Keel: en  
Alusdokumendid: EN 50121-3-1:2006/AC:2008  
Asendatud järgmise dokumendiga: EVS-EN 50121-3-1:2015

### **EVS-EN 50121-3-2:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 3-2: Veerem. Aparatuur**  
**Railway applications - Electromagnetic compatibility Part 3-2: Rolling stock - Apparatus**

Keel: en  
Alusdokumendid: EN 50121-3-2:2006  
Asendatud järgmise dokumendiga: EVS-EN 50121-3-2:2015  
Parandatud järgmise dokumendiga: EVS-EN 50121-3-2:2006/AC:2008

### **EVS-EN 50121-5:2006**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 5: Elektrivarustussüsteemi püsipaigaldiste ja seadiste kiirgus ja häirekindlus**  
**Railway applications - Electromagnetic compatibility Part 5: Emission and immunity of fixed power supply installations and apparatus**

Keel: en  
Alusdokumendid: EN 50121-5:2006  
Asendatud järgmise dokumendiga: EVS-EN 50121-5:2015  
Parandatud järgmise dokumendiga: EVS-EN 50121-5:2006/AC:2008

### **EVS-EN 50121-5:2006/AC:2008**

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 5: Elektrivarustussüsteemi püsipaigaldiste ja seadiste kiirgus ja häirekindlus**  
**Railway applications - Electromagnetic compatibility -- Part 5: Emission and immunity of fixed power supply installations and apparatus**

Keel: en

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### **EVS-EN 3545-006:2006**

**Aerospace series - Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures - 55 °C to 175 °C - Part 006: Male coding and attachment System for mounting on fixed housing (receptacle) - Product standard**

Keel: en  
Alusdokumendid: EN 3545-006:2006  
Asendatud järgmise dokumendiga: EVS-EN 3545-006:2015

### **EVS-EN 3645-006:2007**

**Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 006: Protective cover for receptacle - Product standard**

Keel: en  
Alusdokumendid: EN 3645-006:2006  
Asendatud järgmise dokumendiga: EVS-EN 3645-006:2015

### **EVS-EN 3645-007:2007**

**Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 007: Protective cover for plug - Product standard**

Keel: en  
Alusdokumendid: EN 3645-007:2007  
Asendatud järgmise dokumendiga: EVS-EN 3645-007:2015

## 53 TÖSTE- JA TEISALDUS-SEADMED

### **EVS-EN 13001-1:2005+A1:2009**

**Kraana ohutus. Üldine ehitus. Osa 1: Üldpõhimõtted ja nõuded KONSOLIDEERITUD TEKST  
Crane safety - General design - Part 1: General principles and requirements CONSOLIDATED TEXT**

Keel: en  
Alusdokumendid: EN 13001-1:2004+A1:2009  
Asendatud järgmise dokumendiga: EVS-EN 13001-1:2015  
Parandatud järgmise dokumendiga: EVS-EN 13001-1:2005+A1:2009/AC:2009

### **EVS-EN 13001-1:2005+A1:2009/AC:2009**

**Kraana ohutus. Üldine ehitus. Osa 1: Üldpõhimõtted ja nõuded  
Cranes - General design - Part 1: General principles and requirements**

Keel: en  
Alusdokumendid: EN 13001-1:2004+A1:2009/AC:2009  
Asendatud järgmise dokumendiga: EVS-EN 13001-1:2015

### **EVS-EN 1808:1999+A1:2010**

**Ripp(juurdepääsu)seadmete ohutusnõuded. Kavandamisarvutused, stabiilsuskriteeriumid, valmistamine, katsed KONSOLIDEERITUD TEKST  
Safety requirements on Suspended Access Equipment - Design calculations, stability criteria, construction - Tests CONSOLIDATED TEXT**

Keel: en  
Alusdokumendid: EN 1808:1999+A1:2010  
Asendatud järgmise dokumendiga: EVS-EN 1808:2015

## 55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

### **EVS-EN 12674-4:2007**

**Roll containers - Part 4: Performance requirements**

Keel: en  
Alusdokumendid: EN 12674-4:2006

Asendatud järgmise dokumendiga: EVS-EN 12674-4:2015

### **EVS-EN 14806:2005**

#### **Packaging - Preliminary evaluation of the disintegration of packaging materials under simulated composting conditions in a laboratory scale test**

Keel: en

Alusdokumendid: EN 14806:2005

## **59 TEKSTIILI- JA NAHATEHNOLOOGIA**

### **EVS-EN 14499:2005**

#### **Textile floor coverings - Minimum requirements for carpet underlays**

Keel: en

Alusdokumendid: EN 14499:2004

Asendatud järgmise dokumendiga: EVS-EN 14499:2015

### **EVS-EN 14574:2005**

#### **Geosynthetics - Determination of the pyramid puncture resistance of supported geosynthetics**

Keel: en

Alusdokumendid: EN 14574:2004

Asendatud järgmise dokumendiga: EVS-EN 14574:2015

### **EVS-EN ISO 10318:2007**

#### **Geosünteedid. Terminid ja määratlused Geosynthetics - Terms and definitions**

Keel: en, et

Alusdokumendid: ISO 10318:2005; EN ISO 10318:2005

Asendatud järgmise dokumendiga: EVS-EN ISO 10318-1:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 10318-2:2015

### **EVS-EN ISO 15701:2000**

#### **Leather - Tests for colour fastness - Colour fastness to migration into plasticized poly (vinyl chloride)**

Keel: en

Alusdokumendid: ISO 15701:1998; EN ISO 15701:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 15701:2015

### **EVS-EN ISO 17234-1:2010**

#### **Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants**

Keel: en

Alusdokumendid: ISO 17234-1:2010; EN ISO 17234-1:2010

Asendatud järgmise dokumendiga: EVS-EN ISO 17234-1:2015

## **65 PÖLLUMAJANDUS**

### **EVS 750:1998**

#### **Õunapuu-, pirnipuu- ja kultuurpihlakaistikud Young plants of apple trees, pear trees and rowan trees**

Keel: et

### **EVS 751:1998**

#### **Ploomipuu- ja kirsipuuistikud Young plum and cherry trees**

Keel: et

Asendatud järgmise dokumendiga: EVS 751:1994

### **EVS 752:1998**

#### **Maasikaistikud Young strawberry plants**

Keel: et

**EVS 753:1998**

**Vaarika- ja pampliistikud**  
**Young raspberry and boysenberry plants**

Keel: et

**EVS 754:1998**

**Sõstra- ja karusmarjaistikud**  
**Young currant and gooseberry plants**

Keel: et

**EVS 755:1998**

**Viljapuude pookealused**  
**Rootstocks of fruit trees**

Keel: et

**EVS 778:2001**

**Ilupuude ja - põõsaste istikud**  
**Bedding plants of ornamental trees and shrubs**

Keel: et

**EVS 779:2001**

**Värsked lõikelilled. Värske lõike-iluroheline**  
**Fresh cut flowers. Fresh cut ornamental foliage.**

Keel: et

**EVS 787:2001**

**Lillesibulad**  
**Flowering bulbs**

Keel: et

**EVS 802:2001**

**Potililled**  
**Pot flowers**

Keel: et

**67 TOIDUAINETE TEHNOLOOGIA**

**EVS 686:2001**

**Värske nuikapsas**  
**Fresh kohlrabi**

Keel: et

**EVS 693:1995**

**Värske rabarber**  
**Fresh rhubarb**

Keel: et

**EVS 699:1995**

**Värske juurseller**  
**Fresh celeriac**

Keel: et

**EVS 700:1995**

**Värske petersell**  
**Fresh parsley**

Keel: et

**EVS 701:1995**

**Värske aedtill**  
**Fresh dill**

Keel: et

**EVS 714:1995**

**Värsked mustad arooniad**  
**Fresh black chokeberries**

Keel: et

**EVS 715:1995**

**Värsked ebaküdooniad**  
**Fresh Japanese quinces**

Keel: et

**71 KEEMILINE TEHNOLOOGIA**

**EVS-EN 12931:2008**

**Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Sodium dichloriosocyanurate, anhydrous**

Keel: en

Alusdokumendid: EN 12931:2008

Asendatud järgmise dokumendiga: EVS-EN 12931:2015

**EVS-EN 12932:2008**

**Chemicals used for water intended for human consumption - Chemicals for emergency use - Sodium dichloroisocyanurate, dihydrate**

Keel: en

Alusdokumendid: EN 12932:2008

Asendatud järgmise dokumendiga: EVS-EN 12932:2015

**EVS-EN 12933:2009**

**Chemicals used for treatment of water intended for human consumption - Chemicals for emergency use - Trichloroisocyanuric acid**

Keel: en

Alusdokumendid: EN 12933:2008

Asendatud järgmise dokumendiga: EVS-EN 12933:2015

**EVS-EN 13697:2002**

**Chemical disinfectants and antiseptics - Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2/step 2)**

Keel: en

Alusdokumendid: EN 13697:2001

Asendatud järgmise dokumendiga: EVS-EN 13697:2015

**EVS-EN 14368:2004**

**Products used for treatment of water intended for human consumption - Manganese dioxide coated limestone**

Keel: en

Alusdokumendid: EN 14368:2003

Asendatud järgmise dokumendiga: EVS-EN 14368:2015

**EVS-EN 14369:2004**

**Products used for treatment of water intended for human consumption - Iron coated granular activated alumina**

Keel: en

Alusdokumendid: EN 14369:2003

Asendatud järgmise dokumendiga: EVS-EN 14369:2015

### **EVS-EN 15376:2011**

**Mootorikütused. Etanool mootoribensiini segukomponendina. Nõuded ja katsemeetodid**  
**Automotive fuels - Ethanol as a blending component for petrol - Requirements and test methods**

Keel: en, et

Alusdokumendid: EN 15376:2011

Asendatud järgmise dokumendiga: EVS-EN 15376:2015

### **EVS-EN 61010-2-051:2004**

**Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2- 051:**  
**Erinõuded laboratoorsetele segamisseadmetele**  
**Safety requirements for electrical equipment for measurement, control, and laboratory use -**  
**Part 2-051: Particular requirements for laboratory equipment for mixing and stirring**

Keel: en

Alusdokumendid: IEC 61010-2-051:2003; EN 61010-2-051:2003

Asendatud järgmise dokumendiga: EVS-EN 61010-2-051:2015

### **EVS-EN 61010-2-061:2004**

**Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-061:**  
**Erinõuded laboratoorsetele termilisel atomiseerimisel ja ioniseerimisel põhinevatele**  
**aatomspektromeetritele**  
**Safety requirements for electrical equipment for measurement, control, and laboratory use -**  
**Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal**  
**atomization and ionization**

Keel: en

Alusdokumendid: IEC 61010-2-061:2003; EN 61010-2-061:2003

Asendatud järgmise dokumendiga: EVS-EN 61010-2-061:2015

## **75 NAFTA JA NAFTATEHNOLOOGIA**

### **EVS-EN 15289:2011**

**Solid biofuels - Determination of total content of sulfur and chlorine**

Keel: en

Alusdokumendid: EN 15289:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 16994:2015

### **EVS-EN 15290:2011**

**Solid biofuels - Determination of major elements - Al, Ca, Fe, Mg, P, K, Si, Na and Ti**

Keel: en

Alusdokumendid: EN 15290:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 16967:2015

### **EVS-EN 15296:2011**

**Solid biofuels - Conversion of analytical results from one basis to another**

Keel: en

Alusdokumendid: EN 15296:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 16993:2015

### **EVS-EN 15376:2011**

**Mootorikütused. Etanool mootoribensiini segukomponendina. Nõuded ja katsemeetodid**  
**Automotive fuels - Ethanol as a blending component for petrol - Requirements and test methods**

Keel: en, et

Alusdokumendid: EN 15376:2011

Asendatud järgmise dokumendiga: EVS-EN 15376:2015

## **77 METALLURGIA**

### **CEN/TS 15656:2009**

**Copper and copper alloys - Determination of phosphorus content - Spectrophotometric method**

Keel: en

Alusdokumendid: CEN/TS 15656:2009

Asendatud järgmise dokumendiga: CEN/TS 15656:2015

#### **EVS-EN 1396:2007**

**Alumiinium ja alumiiniumisulamid. Rullis olevad pinnakattega lehed ja ribad üldotstarbeliseks kasutamiseks. Tehnilised nõuded**  
**Aluminium and aluminium alloys - Coil coated sheet and strip for general applications - Specifications**

Keel: en

Alusdokumendid: EN 1396:2007

Asendatud järgmise dokumendiga: EVS-EN 1396:2015

### **79 PUIDUTEHNOLOOGIA**

#### **EVS-EN 1870-17:2012**

**Puidutöötlemismasinade ohutus. Ketassaagimisseadmed. Osa 17: Käsijuhtimisega ühekettalised horisontaalselt lõikavad järkamissaemasinad (suportsaed)**  
**Safety of woodworking machines - Circular sawing machines - Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (radial arm saws)**

Keel: en

Alusdokumendid: EN 1870-17:2012

Asendatud järgmise dokumendiga: EVS-EN 1870-17:2012+A1:2015

### **83 KUMMI- JA PLASTITÖÖSTUS**

#### **EVS-EN 1372:2000**

**Liimid. Põranda- ja seinakattematerjalide jaoks ettenähtud liimide katsemeetod. Lahtikoordumiskatse**  
**Adhesives - Testing of adhesives for floor and wall coverings - Peel test**

Keel: en

Alusdokumendid: EN 1372:1999

Asendatud järgmise dokumendiga: EVS-EN 1372:2015

#### **EVS-EN 1373:2000**

**Liimid. Põranda- ja seinakattematerjalide jaoks ettenähtud liimide katsemeetod. Nihkekatsed**  
**Adhesives - Test method for adhesives for floor and wall coverings - Shear test**

Keel: en

Alusdokumendid: EN 1373:1999

Asendatud järgmise dokumendiga: EVS-EN 1373:2015

#### **EVS-EN 15274:2007**

**Ehituskoostete monteerimisel kasutatavad üldotstarbelised liimained. Nõuded ja katsemeetodid**  
**General purpose adhesives for structural assembly. Requirements and test methods**

Keel: en

Alusdokumendid: EN 15274:2007

Asendatud järgmise dokumendiga: EVS-EN 15274:2015

#### **EVS-EN 15275:2007**

**Ehitusliimid. Hoonetes ja rajatistes kasutatavate koaksiaalsete metall-liidete anaeroobsete liimide spetsifikatsioon**  
**Structural adhesives. Characterisation of anaerobic adhesives for co-axial metallic assembly in building and civil engineering structures**

Keel: en

Alusdokumendid: EN 15275:2007

Asendatud järgmise dokumendiga: EVS-EN 15275:2015

Parandatud järgmise dokumendiga: EVS-EN 15275:2007/AC:2010

#### **EVS-EN ISO 13927:2003**

**Plastics - Simple heat release test using a conical radiant heater and a thermopile detector**

Keel: en

Alusdokumendid: ISO 13927:2001; EN ISO 13927:2003

Asendatud järgmise dokumendiga: EVS-EN ISO 13927:2015

## 91 EHITUSMATERJALID JA EHITUS

### **EVS-EN 1113:2008+A1:2011**

#### **Sanitary tapware - Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 - General technical specification**

Keel: en

Alusdokumendid: EN 1113:2008+A1:2011

Asendatud järgmise dokumendiga: EVS-EN 1113:2015

### **EVS-EN 12730:2001**

#### **Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of resistance to static loading**

Keel: en

Alusdokumendid: EN 12730:2001

Asendatud järgmise dokumendiga: EVS-EN 12730:2015

### **EVS-EN 13782:2006**

#### **Temporary structures - Tents - Safety**

Keel: en

Alusdokumendid: EN 13782:2005

Asendatud järgmise dokumendiga: EVS-EN 13782:2015

### **EVS-EN 13823:2010**

#### **Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

#### **Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item**

Keel: en, et

Alusdokumendid: EN 13823:2010

Asendatud järgmise dokumendiga: EVS-EN 13823:2010+A1:2015

### **EVS-EN 15743:2010**

#### **Supersulfaattsement. Koostis, spetsifikatsioonid ja vastavuskriteeriumid Supersulfated cement - Composition, specifications and conformity criteria**

Keel: en

Alusdokumendid: EN 15743:2010

Asendatud järgmise dokumendiga: EVS-EN 15743:2010+A1:2015

## 97 OLME. MEELELAHUTUS. SPORT

### **EVS-EN 13089:2011**

#### **Mägironimise varustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid Mountaineering equipment - Ice-tools - Safety requirements and test methods**

Keel: en

Alusdokumendid: EN 13089:2011

Asendatud järgmise dokumendiga: EVS-EN 13089:2011+A1:2015

### **EVS-EN 13553:2002**

#### **Resilient floor coverings - Polyvinyl chloride floor coverings for use in special wet areas - Specification**

Keel: en

Alusdokumendid: EN 13553:2002

Asendatud järgmise dokumendiga: EVS-EN 13553:2015

### **EVS-EN 14619:2005**

#### **Roller sports equipment - Kick scooters - Safety requirements and test methods**

Keel: en

Alusdokumendid: EN 14619:2004

Asendatud järgmise dokumendiga: EVS-EN 14619:2015

### **EVS-EN 55014-2:2001/A1:2002**

**Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 2: Häiringukindlus. Tooteperekonna standard  
Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard**

Keel: en

Alusdokumendid: CISPR 55014-2:1997; EN 55014-2:1997/A1:2001

Asendatud järgmise dokumendiga: EVS-EN 55014-2:2015

### **EVS-EN 60335-2-5:2003**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**

**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en

Alusdokumendid: IEC 60335-2-5:2002 + corr:2003; EN 60335-2-5:2003

Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A1:2005

Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A11:2009

Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A12:2012

Muudetud järgmise dokumendiga: EVS-EN 60335-2-5:2003/A2:2008

### **EVS-EN 60335-2-5:2003/A1:2005**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**

**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en

Alusdokumendid: IEC 60335-2-5:2002/A1:2005; EN 60335-2-5:2003/A1:2005

Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

### **EVS-EN 60335-2-5:2003/A11:2009**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**

**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en

Alusdokumendid: EN 60335-2-5:2003/A11:2009

Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

### **EVS-EN 60335-2-5:2003/A12:2012**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**

**Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers**

Keel: en

Alusdokumendid: EN 60335-2-5:2003/A12:2012

Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

### **EVS-EN 60335-2-5:2003/A2:2008**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-5: Erinõuded kaubanduslikele nõudepesumasinatele**

**Household and similar electrical appliances - Safety -- Part 2-5: Particular requirements for dishwashers**

Keel: en

Alusdokumendid: IEC 60335-2-5:2002/A2:2008; EN 60335-2-5:2003/A2:2008

Asendatud järgmise dokumendiga: EVS-EN 60335-2-5:2015

### **EVS-EN 60335-2-6:2003**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**

## **Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: IEC 60335-2-6:2002; EN 60335-2-6:2003

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A1:2006

Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A11:2011

Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A12:2012

Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A13:2013

Muudetud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A2:2008

Parandatud järgmise dokumendiga: EVS-EN 60335-2-6:2003/AC:2007

### **EVS-EN 60335-2-6:2003/A1:2006**

**Muudatus 1. Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Amendment 1 - Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: IEC 60335-2-6:2002/A1:2004; EN 60335-2-6:2003/A1:2005

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

### **EVS-EN 60335-2-6:2003/A11:2011**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: EN 60335-2-6:2003/A11:2010

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

Parandatud järgmise dokumendiga: EVS-EN 60335-2-6:2003/A11:2011/AC:2012

### **EVS-EN 60335-2-6:2003/A12:2012**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: EN 60335-2-6:2003/A12:2012

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

### **EVS-EN 60335-2-6:2003/A13:2013**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: EN 60335-2-6:2003/A13:2013

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

### **EVS-EN 60335-2-6:2003/A2:2008**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-6: Erinõuded statsionaarsetele pliitidele, pliidiplaatidele, ahjudele ja muudele taoliste seadmetele**  
**Household and similar electrical appliances - Safety -- Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances**

Keel: en

Alusdokumendid: IEC 60335-2-6:2002/A2:2008; EN 60335-2-6:2003/A2:2008

Asendatud järgmise dokumendiga: EVS-EN 60335-2-6:2015

# STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (reeglina 2 kuud) on asjast huvitatul 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 arvamusküsitlusele oleva kavandi kohta on esitatud järgnev 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 Standardikeskuse veebilehel asuvas kommenteerimisportaalil: [www.evs.ee/kommenteerimisportaal](http://www.evs.ee/kommenteerimisportaal).

Igakuiselt uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Standardikeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### FprEN ISO 361

#### Basic ionizing radiation symbol (ISO 361:1975)

Specifies shape, proportions, application, restrictions on the use of the symbol (possibly accompanied by additional symbols or words). Shall be used to signify the actual or potential presence of ionizing radiation (including gamma and X-rays, alpha and beta particles, high-speed electrons, neutrons, protons and other nuclear particles, but not sound waves and other types of electromagnetic waves). Does not specify the radiation levels at which it is to be used.

Keel: en

Alusdokumendid: FprEN ISO 361; ISO 361:1975

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEVS-ISO 55000

#### Varahaldus. Ülevaade, põhimõtted, terminoloogia

#### Asset management -- Overview, principles and terminology

Käesolevas rahvusvahelises standardis esitatakse ülevaade varahaldusest, selle põhimõtetest, terminoloogiast ja varahalduse kasutuselevõtmisega eeldatavasti kaasnevatest eelistest. Käesolevat rahvusvahelist standardit saavad kohaldada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes. MÄRKUS 1 Käesolevas rahvusvahelises standardis on silmas peetud eelkõige materiaalse vara haldamist, kuid seda saab kohaldada ka muude varaliikide suhtes. MÄRKUS 2 Käesolevas rahvusvahelises standardis ei esitata rahanduslikke, raamatupidamislikke ega tehnilisi juhiseid konkreetsete varaliikide haldamiseks. MÄRKUS 3 Standardites ISO 55001, ISO 55002 ja käesolevas rahvusvahelises standardis tähendab termin „varahaldussüsteem” vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: en

Alusdokumendid: ISO 55000:2014

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEVS-ISO/IEC 17788

#### Infotehnoloogia. Pilvtöötlus. Ülevaade ja sõnavara

#### Information technology -- Cloud computing -- Overview and vocabulary

ISO/IEC 17788:2014 esitab pilvtöötluse ülevaade koos terminite ja määratluste koguga. Ta on pilvtöötluse standardite terminoloogia alus. ISO/IEC 17788:2014 on kohaldatav igat tüüpi organisatsioonidele (näiteks äriettevõtetele, riigiasutustele, mittetulundusühingutele).

Keel: en

Alusdokumendid: ISO/IEC 17788:2014

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 13269

#### Maintenance - Guideline on preparation of maintenance contracts

This European Standard provides guidance on the preparation of private contracts for maintenance work. It can be applied to cross-border as well as national company/maintenance contractor relationships, the whole range of maintenance services including planning, management and control in addition to maintenance operations, every type of item with the exception of computer software unless the software has to be maintained as an integral part of, and together with, technical equipment. It does not provide standard forms for maintenance contracts, determine rights and obligations between company and maintenance contractor, provide rules for agreements with public administrations.

Keel: en

Alusdokumendid: prEN 13269

Asendab dokumenti: EVS-EN 13269:2006

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 14508

#### Postal services - Quality of service - Measurement of the transit time of end-to-end services for single piece non-priority mail and second class mail

In addition to EN 13850:2012 Postal Services - Quality of Service - Measurement of the transit time of end-to-end services for single piece priority mail and first class mail, this European Standard specifies methods for measuring the end-to-end transit time of domestic and cross-border non-priority single piece mail, collected, processed and delivered by postal service operators. It considers methods using a representative end-to-end sample of all types of single piece addressed letter mail with defined transit-time service levels offered to the customer. This standard is applicable to the measurement of End-to-End single piece non-priority mail services. This European Standard has been developed from and is compatible with the requirements of EN 13850:2012. As such, surveys for both priority and non-priority single piece mail may be undertaken concurrently whilst reporting separate estimates of priority and non-priority transit times. The overall transit time quality-of-service result is to be expressed as the percentage of mail delivered within (J + n) days end-to-end according to the EU Postal directive. This European Standard relates to the measurement of so-called "normal" services given to private persons / households and smaller businesses that post mail at street letter boxes, over the counter at post offices, have bring services from their offices or give their mail directly at postal service operators' sorting centres. For technical reasons this European Standard may not in all parts be suitable for the measurement of very small volumes of mail and for operators with limited coverage. This European Standard is not applicable for measuring the end-to-end transit time distribution of large bulk mailers' services or hybrid mail, which require different measurement systems and methodologies; (see, for example, EN 14534 Measurement of the transit time of end-to-end services of bulk mail).

Keel: en

Alusdokumendid: prEN 14508 rev

Asendab dokumenti: EVS-EN 14508:2006+A1:2010

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEVS-ISO 13053-1

#### Kvantitatiivsed meetodid protsessi parendamises. Kuus sigmat. Osa 1: DMAIC meetodika Quantitative methods in process improvement -- Six Sigma -- Part 1: DMAIC methodology

See osa ISO 13053 standardist kirjeldab äritegevuse parendamise metodoloogiat, mida tuntakse kuue sigmana. See metodoloogia hõlmab tüüpiliselt viit etappi: määratle, analüüsi, mõõda, parenda ja ohja (DMAIC). See osa ISO 13053 standardist soovib eelistatud või parimaid praktikaid kuue sigma projektide elluviimise käigus kasutatava DMAIC metodoloogia iga etapi kohta. See soovib samuti, kuidas tuleks kuue sigma projekte juhtida ja kirjeldab sellistesse projektidesse kaasatud inimeste rolle, vilumust ja koolitust. See on kohaldatav organisatsioonidele, kes kasutavad tootmisprotsesse, aga ka teenindus- ja kaubavahetusprotsesside korral.

Keel: en

Alusdokumendid: ISO 13053-1:2011

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEVS-ISO 55000

#### Varahaldus. Ülevaade, põhimõtted, terminoloogia Asset management -- Overview, principles and terminology

Käesolevas rahvusvahelises standardis esitatakse ülevaade varahaldusest, selle põhimõtetest, terminoloogiast ja varahalduse kasutuselevõtmisega eeldatavasti kaasnevatest eelistest. Käesolevat rahvusvahelist standardit saavad kohaldada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes. MÄRKUS 1 Käesolevas rahvusvahelises standardis on silmas peetud eelkõige materiaalse vara haldamist, kuid seda saab kohaldada ka muude varaliikide suhtes. MÄRKUS 2 Käesolevas rahvusvahelises standardis ei esitata rahanduslikke, raamatupidamislikke ega tehnilisi juhiseid konkreetsete varaliikide haldamiseks. MÄRKUS 3 Standardites ISO 55001, ISO 55002 ja käesolevas rahvusvahelises standardis tähendab termin „varahaldussüsteem” vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: en

Alusdokumendid: ISO 55000:2014

Arvamusküsitluse lõppkuupäev: 07.07.2015

## prEVS-ISO 55001

### Varahaldus. Juhtimissüsteemid. Nõuded

#### Asset management -- Management systems -- Requirements

Käesolevas rahvusvahelises standardis kirjeldatakse nõudeid organisatsioonis kasutatavale varahaldussüsteemile. Käesolevat rahvusvahelist standardit saavad kohaldada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes. MÄRKUS 1 Käesolevas rahvusvahelises standardis on silmas peetud eelkõige aineline vara haldamist, kuid seda saab kohaldada ka muude varaliikide suhtes. MÄRKUS 2 Käesolevas rahvusvahelises standardis ei esitata rahanduslikke, raamatupidamislikke ega tehnilisi nõudeid konkreetsete varaliikide haldamiseks. MÄRKUS 3 Standardite ISO 55000, ISO 55002 ja käesoleva rahvusvahelise standardi kontekstis tähendab termin „varahaldussüsteem” vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: en

Alusdokumendid: ISO 55001:2014

Arvamusküsitluse lõppkuupäev: 07.07.2015

## 11 TERVISEHOOLDUS

### EVS-EN 13727:2012+A1:2013/FprA2:2015

#### Keemilised desinfektsioonivahendid ja antiseptikumid. Kvantitatiivne suspensioontest bakteritsiidse toime määramiseks meditsiini valdkonnas. Katsemeetod ja nõuded (2. faas, 1. etapp)

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

This European Standard specifies a test method and the minimum requirements for bactericidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water, or - in the case of ready-to-use products - with water. Products can only be tested at a concentration of 80 % or less (97 % with a modified method for special cases) as some dilution is always produced by adding the test organisms and interfering substance. This European Standard applies to products that are used in the medical area in the fields of hygienic handrub, hygienic handwash, surgical handrub, surgical handwash, instrument disinfection by immersion, and surface disinfection by wiping, spraying, flooding or other means. This European Standard applies to areas and situations where disinfection or antiseptics is medically indicated. Such indications occur in patient care, for example: in hospitals, in community medical facilities and in dental institutions; in clinics of schools, of kindergartens and of nursing homes; and may occur in the workplace and in the home. It may also include services such as laundries and kitchens supplying products directly for the patients.

Keel: en

Alusdokumendid: EN 13727:2012+A1:2013/FprA2:2015

Muudab dokumenti: EVS-EN 13727:2012+A1:2013

Arvamusküsitluse lõppkuupäev: 07.07.2015

### EVS-EN 14476:2013/FprA1

#### Keemilised desinfektsioonivahendid ja antiseptikumid. Kvantitatiivne suspensioonkatse viirusaktiivsuse peatamise hindamiseks meditsiinivaldkonnas. Katsemeetod ja nõuded (2. faas, 1. etapp)

##### Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of virucidal activity in the medical area - Test method and requirements (Phase 2/Step 1)

This European Standard specifies a test method and the minimum requirements for virucidal activity of chemical disinfectant and antiseptic products that form a homogeneous physically stable preparation when diluted with hard water – or in the case of ready-to-use products, i. e., products that are not diluted when applied, – with water. Products can only be tested at a concentration of 80 % (97 %, with a modified method for special cases) as some dilution is always produced by adding the test organisms and interfering substance. This European Standard applies to products that are used in the medical area in the fields of hygienic handrub, hygienic handwash, instrument disinfection by immersion, surface disinfection by wiping, spraying, flooding or other means and textile disinfection. This European Standard applies to areas and situations where disinfection is medically indicated. Such indications occur in patient care, for example: in hospitals, in community medical facilities, and in dental institutions; in clinics of schools, of kindergartens, and of nursing homes; and may occur in the workplace and in the home. It may also include services such as laundries and kitchens supplying products directly for the patients.

Keel: en

Alusdokumendid: EN 14476:2013/FprA1

Muudab dokumenti: EVS-EN 14476:2013

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN ISO 1135-4

#### Transfusion equipment for medical use - Part 4: Transfusion sets for single use, gravity feed (ISO/FDIS 1135-4:2015)

This part of ISO 1135 specifies requirements for single use transfusion gravity sets for medical use in order to ensure their compatibility with containers for blood and blood components as well as with intravenous equipment. Secondary aims of this part of ISO 1135 are to provide guidance on specifications relating to the quality and performance of materials used in transfusion sets, to present designations for transfusion set components, and to ensure the compatibility of sets with a range of cellular and

plasma blood components. In some countries, the national pharmacopoeia or other national regulations are legally binding and take precedence over this part of ISO 1135.

Keel: en

Alusdokumendid: FprEN ISO 1135-4; ISO/FDIS 1135-4:2015

Asendab dokumenti: EVS-EN ISO 1135-4:2012

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 1135-5**

#### **Transfusion equipment for medical use - Part 5: Transfusion sets for single use with pressure infusion apparatus (ISO/FDIS 1135-5:2015)**

This part of ISO 1135 specifies requirements for single use transfusion sets for use with pressure infusion equipment capable of generating pressures up to 200 kPa (2 bar). This International Standard ensures compatibility with containers for blood and blood components as well as intravenous equipment. Secondary aims of this part of ISO 1135 are to provide guidance on specifications relating to the quality and performance of materials used in transfusion sets, to present designations for transfusion set components, and to ensure the compatibility of sets with red cell and plasma blood components.

Keel: en

Alusdokumendid: FprEN ISO 1135-5; ISO/FDIS 1135-5:2015

Asendab dokumenti: EVS-EN ISO 1135-4:2012

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 11663**

#### **Quality of dialysis fluid for haemodialysis and related therapies (ISO 11663:2014)**

This International Standard specifies minimum quality requirements for dialysis fluids used in haemodialysis and related therapies. This International Standard includes dialysis fluids used for haemodialysis and haemodiafiltration, including substitution fluid for haemodiafiltration and haemofiltration. This International Standard does not address the requirements for the water and concentrates used to prepare dialysis fluid or the equipment used in its preparation. Those areas are covered by other International Standards. Sorbent-based dialysis fluid regeneration systems that regenerate and recirculate small volumes of dialysis fluid, systems for continuous renal replacement therapy that use prepackaged solutions, and systems and solutions for peritoneal dialysis are excluded from this International Standard.

Keel: en

Alusdokumendid: ISO 11663:2014; FprEN ISO 11663

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 13397-5**

#### **Dentistry - Periodontal curettes, dental scalers and excavators - Part 5: Jacquette scalers (ISO/FDIS 13397-5:2015)**

This part of the Standard specifies requirements and test methods for dental hand instruments such as Jacquette scalers.

Keel: en

Alusdokumendid: FprEN ISO 13397-5; ISO/FDIS 13397-5:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 23500**

#### **Guidance for the preparation and quality management of fluids for haemodialysis and related therapies (ISO 23500:2014)**

This International Standard provides dialysis practitioners with guidance on the preparation of dialysis fluid for haemodialysis and related therapies and substitution fluid for use in online therapies, such as haemodiafiltration and haemofiltration. As such, this International Standard functions as a recommended practice.

Keel: en

Alusdokumendid: ISO 23500:2014; FprEN ISO 23500

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 6874 rev**

#### **Dentistry - Polymer-based pit and fissure sealants (ISO/FDIS 6874:2015)**

This International Standard specifies requirements and test methods for polymer-based materials intended for sealing pits and fissures in teeth. This International Standard covers both self-curing and external-energy-activated materials.

Keel: en

Alusdokumendid: FprEN ISO 6874 rev; ISO/FDIS 6874:2015

Asendab dokumenti: EVS-EN ISO 6874:2005

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN ISO 1797**

#### **Dentistry - Shanks for rotary, oscillating and reciprocating instruments (ISO/DIS 1797:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 1797:2015; prEN ISO 1797

Asendab dokumenti: EVS-EN ISO 1797-1:2011

Asendab dokumenti: EVS-EN ISO 1797-2:1999

Asendab dokumenti: EVS-EN ISO 1797-3:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 5832-3

#### **Implants for surgery - Metallic materials - Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO/DIS 5832-3:2015)**

Specifies the characteristics of, and corresponding test methods for, the wrought titanium alloy known as titanium 6-aluminium 4-vanadium alloy (Ti 6-Al 4-V alloy) for use in the manufacture of surgical implants.

Keel: en

Alusdokumendid: ISO/DIS 5832-3:2015; prEN ISO 5832-3 rev

Asendab dokumenti: EVS-EN ISO 5832-3:2012

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

### EVS 812-3:2013/prA1

#### **Ehitiste tuleohutus. Osa 3: Küttesüsteemid Fire safety of constructions - Part 3: Heating systems**

See standard käsitleb ehitiste kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Keel: et

Muudab dokumenti: EVS 812-3:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### EVS-EN 15975-1:2011/FprA1

#### **Security of drinking water supply - Guidelines for risk and crisis management - Part 1: Crisis management**

see scope EN15975-1

Keel: en

Alusdokumendid: EN 15975-1:2011/FprA1

Muudab dokumenti: EVS-EN 15975-1:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### EVS-EN ISO 8041:2005/prA1:2015

#### **Human response to vibration - Measuring instrumentation - Amendment 1 (ISO 8041:2005/DAM 1:2015)**

Amendment to EN ISO 8041:2005

Keel: en

Alusdokumendid: EN ISO 8041:2005/prA1:2015; ISO 8041:2005/DAM 1:2015

Muudab dokumenti: EVS-EN ISO 8041:2005

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 60335-2-8:2015

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-8: Erinõuded pardlitele, juukselõikusmasinatele ja muudele taoliste seadmetele Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances**

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric shavers, hair clippers and similar appliances intended for household and similar purposes, their rated voltage being not more than 250 V. NOTE 101 Examples of similar appliances are those used for manicure and pedicure. 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 and on farms, are within the scope of this standard. NOTE 102 Examples of such appliances are animal clippers, animal shearers and appliances for hairdressers. 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; - children playing with the appliance.

Keel: en

Alusdokumendid: IEC 60335-2-8:2012; FprEN 60335-2-8:2015

Asendab dokumenti: EVS-EN 60335-2-8:2003  
Asendab dokumenti: EVS-EN 60335-2-8:2003/A1:2005  
Asendab dokumenti: EVS-EN 60335-2-8:2003/A2:2008

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

### **FprEN 61800-5-2:2015**

#### **Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional**

This part of IEC 61800, which is a product standard, specifies requirements and makes recommendations for the design and development, integration and validation of safety related power drive systems (PDS(SR)) in terms of their functional safety considerations. It applies to adjustable speed electrical power drive systems covered by the other parts of the IEC 61800 series of standards as referred in IEC 61800-2. NOTE 1: The term "integration" refers to the PDS(SR) itself, not to its incorporation into the safety-related application. NOTE 2: Other parts of IEC 61800 cover rating specifications, EMC, electrical safety, etc.

Keel: en

Alusdokumendid: IEC 61800-5-2:201X; FprEN 61800-5-2:2015

Asendab dokumenti: EVS-EN 61800-5-2:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62820-1-1:2015**

#### **Building intercom systems - Part 1-1: General requirements**

This part specifies the technical requirements for the composition, functions, performance, and test methods of general building intercom systems. This part is applicable to the general intercom systems for building entry in residential or commercial buildings. Door-Entry-System (DES) is a simple kind of convenient Building-Intercom-System (BIS) mainly for user's comfort. This standard has classified the general building intercom systems into two Grades in Part 1-1, Grade 1 adopts lower requirements to cover DES not used for relevant security applications while Grade 2 adopts higher requirements for Building Intercom Systems for security applications, each Grade may adopt different functional, performance requirements, test methods and normative references.

Keel: en

Alusdokumendid: IEC 62820-1-1:201X; FprEN 62820-1-1:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 10703**

#### **Water quality - Determination of the activity concentration of radionuclides - Method by high resolution gamma-ray spectrometry (ISO 10703:2007)**

This International Standard specifies a method for the simultaneous determination of the activity concentration of various radionuclides emitting gamma rays with energies  $40 \text{ keV} < E < 2 \text{ MeV}$  in water samples, by gamma-ray spectrometry using germanium detectors with high energy resolution in combination with a multichannel analyser. NOTE The determination of the activity concentration of radionuclides emitting gamma rays with energy below 40 keV and above 2 MeV is also possible within the scope of this International Standard, provided both the calibration of the measuring system and the shielding are adapted to this purpose. This International Standard includes the procedures for energy calibration, determination of the energy dependent sensitivity of the measuring system, the analysis of the spectra and the determination of the activity concentration of the various radionuclides in the sample studied. It is only applicable to homogeneous samples. Samples with activities typically between 1 Bq and 104 Bq can be measured as such, i.e. without dilution or concentration of the sample or special (electronic) devices. Depending on different factors, such as the energy of the gamma rays and the emission probability per nuclear disintegration, the size and geometry of the sample and the detector, the shielding, the counting time and other experimental parameters, the sample should be concentrated by evaporation when activities below about 1 Bq have to be measured. Also, when the activity is considerably higher than 104 Bq, the sample should be either diluted or an aliquot of the sample should be taken or the source to detector distance should be increased, or a correction for pile-up effects should be applied.

Keel: en

Alusdokumendid: ISO 10703:2007; FprEN ISO 10703

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 13160**

#### **Water quality - Strontium 90 and strontium 89 - Test methods using liquid scintillation counting or proportional counting (ISO 13160:2012)**

This International Standard specifies the test methods and their associated principles for the measurement of the activity of  $^{90}\text{Sr}$  in equilibrium with  $^{90}\text{Y}$ , and  $^{89}\text{Sr}$ , pure beta-emitting radionuclides, in water samples. Different chemical separation methods are presented to produce strontium and yttrium sources, the activity of which is determined using a proportional counter (PC) or liquid scintillation counter (LSC). The selection of the test method depends on the origin of the contamination, the characteristics of the water to be analysed, the required accuracy of test results and the available resources of the laboratories. These test methods are used for water monitoring following, past or present, accidental or routine, liquid or gaseous discharges. It also covers the monitoring of contamination caused by global fallout. When fallout occurs immediately following a nuclear accident, the contribution of  $^{89}\text{Sr}$  to the total amount of strontium activity is not negligible. This International Standard provides the test methods to determine the activity concentration of  $^{90}\text{Sr}$  in presence of  $^{89}\text{Sr}$ .

Keel: en

Alusdokumendid: ISO 13160:2012; FprEN ISO 13160

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **FprEN ISO 13161**

### **Water quality - Measurement of polonium 210 activity concentration in water by alpha spectrometry (ISO 13161:2011)**

This International Standard specifies the measurement of <sup>210</sup>Po activity concentration by alpha spectrometry in all kinds of natural waters. The detection limit of this method depends on the volume of the sample, the counting time, the background count rate and the detection efficiency. In the case of drinking water, the analysis is usually carried out on the raw sample, without filtration or other pretreatment. If suspended material has to be removed or analysed, filtration at 0,45 µm is recommended. The analysis of the insoluble fraction requires a mineralization step that is not covered by this International Standard (see NF M 60-790-4[4]). In this case, the measurement is made on the different phases obtained. The final activity is the sum of all the measured activity concentrations.

Keel: en

Alusdokumendid: ISO 13161:2011; FprEN ISO 13161

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **FprEN ISO 361**

### **Basic ionizing radiation symbol (ISO 361:1975)**

Specifies shape, proportions, application, restrictions on the use of the symbol (possibly accompanied by additional symbols or words). Shall be used to signify the actual or potential presence of ionizing radiation (including gamma and X-rays, alpha and beta particles, high-speed electrons, neutrons, protons and other nuclear particles, but not sound waves and other types of electromagnetic waves). Does not specify the radiation levels at which it is to be used.

Keel: en

Alusdokumendid: FprEN ISO 361; ISO 361:1975

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **prEN 13204**

### **Double acting hydraulic rescue tools for fire and rescue service use - Safety and performance requirements**

This European Standard deals with the technical requirements to minimize the risks of hazards listed in Annex A which can arise during the operation and/or maintenance of double acting hydraulic rescue tool systems, when carried out as intended by the manufacturer or his authorized representative. All the safety requirements of this document apply to double acting hydraulic rescue tools manufactured after the date of publication. Double acting hydraulic rescue tool systems are intended for use by the firefighting and rescue services, principally for cutting through, spreading or pushing apart the structural parts of road vehicles, ships, trains, aircraft and building structures involved in accidents. They consist of a separate power pack, the tool[s] and the necessary interconnections and intended accessories, as defined in Clause 3 – Terms and definitions. NOTE 1 The aim is to assist whilst extracting the casualties or to create a working space for paramedical services taking the local conditions into account. This European Standard does not establish the additional requirements for: a) operation in severe conditions (e.g. extreme environmental conditions such as: temperatures outside the range -20 °C +55 °C, corrosive environment, tropical environment, contaminating environments, strong magnetic fields, potentially explosive atmospheres); b) the risk directly arising from the means provided for the portability, transportability and mobility of double-acting hydraulic rescue tools during periods of their operation. NOTE 2 For the EU/EEA other Directives can be applicable to the equipment in the scope, for example the Electro Magnetic Compatibility Directive.

Keel: en

Alusdokumendid: prEN 13204 rev

Asendab dokumenti: EVS-EN 13204:2005+A1:2012

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **prEN 14582**

### **Characterization of waste - Halogen and sulfur content - Oxygen combustion in closed systems and determination methods**

This standard specifies a combustion method for the determination of halogen and sulfur contents in materials by combustion in a closed system containing oxygen (calorimetric bomb), and the subsequent analysis of the combustion product using different analytical techniques. This method is applicable to solid, pasty and liquid samples.

Keel: en

Alusdokumendid: prEN 14582

Asendab dokumenti: EVS-EN 14582:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **prEN 14944-1**

### **Influence of cementitious products on water intended for human consumption - Test methods - Part 1: Influence of migration from factory made cementitious products on the organoleptic parameters**

This European Standard specifies a method to determine the influence of factory made cementitious products on the odour, flavour, colour and turbidity of test waters after contact with the products. This European Standard is applicable to factory made cementitious products, e.g. cement mortar linings to metallic pipes, tanks, concrete pipes etc. intended to be used for the transport and storage of water for human consumption, including raw water used for the production of drinking water.

Keel: en

Alusdokumendid: prEN 14944-1 rev

Asendab dokumenti: EVS-EN 14944-1:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 14944-3**

#### **Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementitious products**

This European Standard specifies a method to determine the migration of substances from factory made cementitious products into test waters after contact with the products. This European Standard is applicable to factory made cementitious products, e.g. cement mortar linings to metallic pipes, tanks, concrete pipes, etc., intended to be used for the transport and storage of water intended for human consumption, including raw water used for the production of drinking water.

Keel: en

Alusdokumendid: prEN 14944-3 rev

Asendab dokumenti: EVS-EN 14944-3:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 16785-2**

#### **Bio-based products - Bio-based content - Part 2: Determination of the bio-based content using the material balance method**

This European Standard specifies a method for the determination of the bio-based content in products, using material balance. This European Standard is applicable to any solid, liquid and gaseous product from a manufacturing unit, for which the bio-based contents of the inputs are known.

Keel: en

Alusdokumendid: prEN 16785-2

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50134-7:2015**

#### **Alarm systems - Social alarm systems - Part 7: Application guidelines**

This standard applies to the delivery of social alarms services by organisations, whether through the use of paid or voluntary staff. It does not apply to the use of social alarm systems to enhance informal arrangements between an individual and their close friends and family for the provision of assistance, although it may provide advice on the issues that such individuals may need to consider. This standard specifies requirements for social alarm service providers for effective and efficient management, policy and procedures for a) general requirements, b) marketing, c) sale and referral, d) assessment, e) installation, f) alarm monitoring, g) response arrangement, h) operational records, i) service and maintenance, j) risk management, k) service development and improvement, l) workforce. NOTE The effectiveness of a social alarm service is largely dependent upon the management of the system and its integration with other services.

Keel: en

Alusdokumendid: prEN 50134-7:2015

Asendab dokumenti: CLC/TS 50134-7:2003

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50582**

#### **Method of test for resistance to fire of unprotected optical fibre cables for use in emergency circuits (diameter less than or equal to 20 mm)**

This European Standard specifies the test method for optical fibre cables with an overall diameter not exceeding 20 mm designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. The test method, which is based on the direct impingement of flame from a propane burner giving a constant temperature attack of a notional 842 °C, can be used for cables for emergency circuits required to comply with Subclause 4.3.1.4.6 (a) of the Interpretative Document for Essential Requirement No. 2 'Safety in Case of Fire' (94/C62/01) of the Construction Products Directive (89/106/EEC). This standard includes (Annex C) a means of linking the measured survival time to the fire resistance classification for these cables, as required by Subclause 4.3.1.4.6(a) of 94/C62/01. The standard also includes (Informative Annex D) a means of applying a shock producing device and also (Informative Annex E) means of applying a water spray to the cable during the test, together with a shock.

Keel: en

Alusdokumendid: prEN 50582:2012; prEN 50582:2015

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

### **prEN ISO 374-1**

#### **Protective gloves against dangerous chemicals and micro-organisms - Part 1: Terminology and performance requirements for chemical risks (ISO/DIS 374-1:2015)**

This standard specifies the requirements for protective gloves to protect the user against dangerous chemicals and defines terms to be used. NOTE If other protection features have to be covered, e.g. mechanical risks, thermal risks, electrostatic dissipation etc., the appropriate specific performance standard, e.g. EN 388, EN 407, EN 16350 etc., should be used in addition.

Keel: en  
Alusdokumendid: ISO/DIS 374-1:2015; prEN ISO 374-1  
Asendab dokumenti: EVS-EN 374-1:2003

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 374-5

#### **Protective gloves against dangerous chemicals and micro-organisms - Part 5: Terminology and performance requirements for micro-organism risks (ISO/DIS 374-5:2015)**

This European Standard specifies a test method for the penetration resistance of gloves that protect against micro-organisms. NOTE If other protection features should be needed, e.g. chemical risks, mechanical risks, thermal risks, electrostatic dissipation etc., the appropriate specific performance standard, e.g. EN 374-1, EN 388, EN 407, EN 16350 etc., should be used.

Keel: en  
Alusdokumendid: ISO/DIS 374-5:2015; prEN ISO 374-5

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 17 METROLOOGIA JA MÕÖTMINE. FÜÜSIKALISED NÄHTUSED

### FprEN 1434-3

#### **Heat meters - Part 3: Data exchange and interfaces**

This European Standard specifies the general requirements and applies to heat meters. Heat meters are instruments intended for measuring the energy which in a heat-exchange circuit is absorbed (cooling) or given up (heating) by a liquid called the heat-conveying liquid. The meter indicates heat in legal units. Part 3 specifies the data exchange between a meter and a readout device (POINT / POINT communication). For these applications using the optical readout head, the EN 62056-21 protocol is recommended. For direct or remote local readout of a single or a few meters via a battery driven readout device, the physical layer of EN 13757-6 (local bus) is recommended. For bigger networks with up to 250 meters, a master unit with AC mains supply according to EN 13757-2 is necessary to control the M-Bus. For these applications the physical and link layer of EN 13757-2 and the application layer of EN 13757-3 is required. For wireless meter communications, EN 13757-4 describes several alternatives of walk/drive-by readout via a mobile station or by using stationary receivers or a network. Both unidirectionally and bidirectionally transmitting meters are supported by this standard.

Keel: en  
Alusdokumendid: FprEN 1434-3  
Asendab dokumenti: EVS-EN 1434-3:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 60534-4:2015

#### **Industrial-process control valves - Part 4: Inspection and routine testing**

This part of IEC 60534 specifies the requirements for the inspection and routine testing of control valves manufactured in conformity with the other parts of IEC 60534. This standard is applicable to valves with pressure ratings not exceeding Class 2500. The requirements for actuators apply only to pneumatic actuators. This standard does not apply to the types of control valves where radioactive service, fire safety testing, or other hazardous service conditions are encountered. If a standard for hazardous service conflicts with the requirements of this standard, the standard for hazardous service should take precedence. NOTE This standard can be extended to higher pressure ratings by agreement between purchaser and manufacturer.

Keel: en  
Alusdokumendid: FprEN 60534-4:2015; IEC 60534-4:201X  
Asendab dokumenti: EVS-EN 60534-4:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN ISO 10703

#### **Water quality - Determination of the activity concentration of radionuclides - Method by high resolution gamma-ray spectrometry (ISO 10703:2007)**

This International Standard specifies a method for the simultaneous determination of the activity concentration of various radionuclides emitting gamma rays with energies  $40 \text{ keV} < E < 2 \text{ MeV}$  in water samples, by gamma-ray spectrometry using germanium detectors with high energy resolution in combination with a multichannel analyser. NOTE The determination of the activity concentration of radionuclides emitting gamma rays with energy below 40 keV and above 2 MeV is also possible within the scope of this International Standard, provided both the calibration of the measuring system and the shielding are adapted to this purpose. This International Standard includes the procedures for energy calibration, determination of the energy dependent sensitivity of the measuring system, the analysis of the spectra and the determination of the activity concentration of the various radionuclides in the sample studied. It is only applicable to homogeneous samples. Samples with activities typically between 1 Bq and 104 Bq can be measured as such, i.e. without dilution or concentration of the sample or special (electronic) devices. Depending on different factors, such as the energy of the gamma rays and the emission probability per nuclear disintegration, the size and geometry of the sample and the detector, the shielding, the counting time and other experimental parameters, the sample should be concentrated by evaporation when activities below about 1 Bq have to be measured. Also, when the activity is considerably higher than 104 Bq, the sample should be either diluted or an aliquot of the sample should be taken or the source to detector distance should be increased, or a correction for pile-up effects should be applied.

Keel: en  
Alusdokumendid: ISO 10703:2007; FprEN ISO 10703

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### FprEN ISO 13160

### Water quality - Strontium 90 and strontium 89 - Test methods using liquid scintillation counting or proportional counting (ISO 13160:2012)

This International Standard specifies the test methods and their associated principles for the measurement of the activity of <sup>90</sup>Sr in equilibrium with <sup>90</sup>Y, and <sup>89</sup>Sr, pure beta-emitting radionuclides, in water samples. Different chemical separation methods are presented to produce strontium and yttrium sources, the activity of which is determined using a proportional counter (PC) or liquid scintillation counter (LSC). The selection of the test method depends on the origin of the contamination, the characteristics of the water to be analysed, the required accuracy of test results and the available resources of the laboratories. These test methods are used for water monitoring following, past or present, accidental or routine, liquid or gaseous discharges. It also covers the monitoring of contamination caused by global fallout. When fallout occurs immediately following a nuclear accident, the contribution of <sup>89</sup>Sr to the total amount of strontium activity is not negligible. This International Standard provides the test methods to determine the activity concentration of <sup>90</sup>Sr in presence of <sup>89</sup>Sr.

Keel: en

Alusdokumendid: ISO 13160:2012; FprEN ISO 13160

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### FprEN ISO 13161

### Water quality - Measurement of polonium 210 activity concentration in water by alpha spectrometry (ISO 13161:2011)

This International Standard specifies the measurement of <sup>210</sup>Po activity concentration by alpha spectrometry in all kinds of natural waters. The detection limit of this method depends on the volume of the sample, the counting time, the background count rate and the detection efficiency. In the case of drinking water, the analysis is usually carried out on the raw sample, without filtration or other pretreatment. If suspended material has to be removed or analysed, filtration at 0,45 µm is recommended. The analysis of the insoluble fraction requires a mineralization step that is not covered by this International Standard (see NF M 60-790-4[4]). In this case, the measurement is made on the different phases obtained. The final activity is the sum of all the measured activity concentrations.

Keel: en

Alusdokumendid: ISO 13161:2011; FprEN ISO 13161

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### prEN ISO 25178-72

### Geometrical product specifications (GPS) - Surface texture: Areal - Part 72: XML file format x3p (ISO/DIS 25178-72:2015)

This part of ISO 25178 defines the xml file format x3p.

Keel: en

Alusdokumendid: ISO/DIS 25178-72; prEN ISO 25178-72

Arvamusküsitluse lõppkuupäev: 07.07.2015

## 19 KATSETAMINE

#### FprEN 60068-3-13:2015

### Environmental testing - Part 3-13: Supporting documentation and guidance on test T: Soldering

The purpose of this document is to provide background information and guidance for writers and users of specifications for electric and electronic components, containing references to the test standards IEC 60068-2-20, IEC 60068-2-58, IEC 60068-2-69 and IEC 60068-2-83, and to IEC 61760-1, which defines requirements to the specification of surface mounting components.

Keel: en

Alusdokumendid: IEC 60068-3-13:201X; FprEN 60068-3-13:2015

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### FprEN 60534-4:2015

### Industrial-process control valves - Part 4: Inspection and routine testing

This part of IEC 60534 specifies the requirements for the inspection and routine testing of control valves manufactured in conformity with the other parts of IEC 60534. This standard is applicable to valves with pressure ratings not exceeding Class 2500. The requirements for actuators apply only to pneumatic actuators. This standard does not apply to the types of control valves where radioactive service, fire safety testing, or other hazardous service conditions are encountered. If a standard for hazardous service conflicts with the requirements of this standard, the standard for hazardous service should take precedence. NOTE This standard can be extended to higher pressure ratings by agreement between purchaser and manufacturer.

Keel: en

Alusdokumendid: FprEN 60534-4:2015; IEC 60534-4:201X

Asendab dokumenti: EVS-EN 60534-4:2006

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN ISO 9934-1

#### **Non destructive testing - Magnetic particle testing - Part 1: General principles (ISO/FDIS 9934-1:2015)**

This document specifies general principles for the magnetic particle testing of ferromagnetic materials. Magnetic particle testing is primarily applicable to the detection of surface-breaking discontinuities, particularly cracks. It can also detect discontinuities just below the surface but its sensitivity diminishes rapidly with depth. The standard specifies the surface preparation of the part to be tested, magnetization techniques, requirements and application of the detection media and the recording and interpretation of results. Acceptance criteria are not defined. Additional requirements for the magnetic particle testing of particular items are defined in product standards (see the relevant EN Standard).

Keel: en

Alusdokumendid: FprEN ISO 9934-1; ISO/FDIS 9934-1:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN ISO 9934-2

#### **Non-destructive testing - Magnetic particle testing - Part 2: Detection media (ISO/FDIS 9934-2:2015)**

This document specifies the significant properties of magnetic particle testing products (including magnetic ink, powder, carrier liquid, contrast aid paints) and the methods for checking their properties.

Keel: en

Alusdokumendid: FprEN ISO 9934-2; ISO/FDIS 9934-2:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN ISO 9934-3

#### **Non-destructive testing - Magnetic particle testing - Part 3: Equipment (ISO/FDIS 9934-3:2015)**

This document describes three types of equipment for magnetic particle testing : - portable or transportable equipment ; - fixed installations ; - specialized testing systems for testing components on a continuous basis, comprising a series of processing stations placed in sequence to form a process line.

Keel: en

Alusdokumendid: FprEN ISO 9934-3; ISO/FDIS 9934-3:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 4545-2

#### **Metallic materials - Knoop hardness test - Part 2: Verification and calibration of testing machines (ISO/DIS 4545-2:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 4545-2:2015; prEN ISO 4545-2

Asendab dokumenti: EVS-EN ISO 4545-2:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 4545-3

#### **Metallic materials - Knoop hardness test - Part 3: Calibration of reference blocks (ISO/DIS 4545-3:2015)**

This part of ISO 4545 specifies the method for the calibration of reference blocks to be used for the indirect verification of Knoop hardness testing machines as specified in ISO 4545-2. The method is applicable only for indentations with long diagonals  $\geq 0,020$  mm.

Keel: en

Alusdokumendid: prEN ISO 4545-3; ISO/DIS 4545-3:2015

Asendab dokumenti: EVS-EN ISO 4545-3:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD**

### prEN 12080

#### **Railway applications - Axleboxes - Rolling bearings**

This European Standard specifies the quality parameters of axlebox rolling bearings supporting the primary load of the vehicle, required for reliable operation of trains on European networks. It covers metallurgical and material properties as well as geometric and dimensional characteristics. It also defines methods for quality assurance and conditions for approval of the products.

Keel: en

Alusdokumendid: prEN 12080

Asendab dokumenti: EVS-EN 12080:2008+A1:2010

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**EVS-EN 15776:2011/FprA1**

**Leekkuumutusega surveanumad. Nõuded kuni 15% katkevenivusega malmist surveanumate ja survedetailide kavandamisele ja valmistamisele**

**Unfired pressure vessels - Requirements for the design and fabrication of pressure vessels and pressure parts constructed from cast iron with an elongation after fracture equal or less than 15 %**

Update normative references and incorporate comments from CEN consultant

Keel: en

Alusdokumendid: EN 15776:2011/FprA1

Muudab dokumenti: EVS-EN 15776:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN 60335-2-40:2015/FprA1:2015 (fragment 1)**

**Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers**

Amendment to EN 60335-2-40:2015

Keel: en

Alusdokumendid: EN 60335-2-40:2015/A1:2015 (fragment 1); IEC 60335-2-40:2013/A1:201X {fragment 1} (61D/297/CDV) (EQV)

Muudab dokumenti: FprEN 60335-2-40

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN 60335-2-40:2015/FprA1:2015 (fragment 2)**

**Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers**

Amendment to FprEN 60335-2-40:2015

Keel: en

Alusdokumendid: EN 60335-2-40:2015/A1:2015 (fragment 2); IEC 60335-2-40:2013/A1:201X {fragment 2} (61D/298/CDV) (EQV)

Muudab dokumenti: FprEN 60335-2-40

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN 60335-2-40:2015/FprA1:2015 {fragment 3}**

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele**

**Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers**

Amendment to EN 60335-2-40

Keel: en

Alusdokumendid: IEC 60335-2-40:2013/A1:201X; EN 60335-2-40:2015/FprA1:2015 {fragment 3}

Muudab dokumenti: FprEN 60335-2-40

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN 60534-4:2015**

**Industrial-process control valves - Part 4: Inspection and routine testing**

This part of IEC 60534 specifies the requirements for the inspection and routine testing of control valves manufactured in conformity with the other parts of IEC 60534. This standard is applicable to valves with pressure ratings not exceeding Class 2500. The requirements for actuators apply only to pneumatic actuators. This standard does not apply to the types of control valves where radioactive service, fire safety testing, or other hazardous service conditions are encountered. If a standard for hazardous service conflicts with the requirements of this standard, the standard for hazardous service should take precedence. NOTE This standard can be extended to higher pressure ratings by agreement between purchaser and manufacturer.

Keel: en

Alusdokumendid: FprEN 60534-4:2015; IEC 60534-4:201X

Asendab dokumenti: EVS-EN 60534-4:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**prEN ISO 6134**

**Rubber hoses and hose assemblies for saturated steam - Specification (ISO/DIS 6134:2015)**

No scope available

Keel: en  
Alusdokumendid: ISO/DIS 6134:2015; prEN ISO 6134 rev  
Asendab dokumenti: EVS-EN ISO 6134:2005  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **prEN ISO 6803**

### **Rubber or plastics hoses and hose assemblies - Hydraulic-pressure impulse test without flexing (ISO/DIS 6803:2015)**

No scope available

Keel: en  
Alusdokumendid: ISO/DIS 6803:2015; prEN ISO 6803 rev  
Asendab dokumenti: EVS-EN ISO 6803:2008  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **prEN ISO 7326**

### **Rubber and plastics hoses - Assessment of ozone resistance under static conditions (ISO/DIS 7326:2015)**

No scope available

Keel: en  
Alusdokumendid: ISO/DIS 7326:2015; prEN ISO 7326  
Asendab dokumenti: EVS-EN ISO 7326:2008  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **25 TOOTMISTEHNOLLOOGIA**

#### **FprEN 61000-4-10:2015**

### **Electromagnetic Compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test**

This part of IEC 61000 specifies the immunity requirements, test methods, and range of recommended test levels for equipment to damped oscillatory magnetic disturbances related to medium voltage and high voltage sub-stations. The test defined in this standard is applied to equipment which is intended to be installed in locations where the phenomenon as specified in 4 will be encountered. This standard does not specify disturbances due to capacitive or inductive coupling in cables or other parts of the field installation. IEC 61000-4-18 which deal with conducted disturbances, cover these aspects.

Keel: en  
Alusdokumendid: FprEN 61000-4-10:2015; IEC 61000-4-10:201X  
Asendab dokumenti: EVS-EN 61000-4-10:2002  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **FprEN 62828-1:2015**

### **Reference conditions and procedures for testing industrial and process measurement transmitters - Part 1: General procedures for all types of transmitters**

This Part 1 of the IEC 62828 standard series establishes general reference conditions and test procedures applicable to all types of transmitters used in measuring and control systems for industrial process and machinery. Additional specific test procedures for given types of transmitters (pressure, temperature, level, flow) are covered by other parts of this standard series.

Keel: en  
Alusdokumendid: IEC 62828-1:201X; FprEN 62828-1:2015  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **FprEN 62828-2:2015**

### **Reference conditions and procedures for testing industrial and process measurement transmitters - Part 2: Specific procedures for pressure transmitters**

This Part 2 of the IEC 62828 standard series establishes specific procedures for testing pressure transmitters used in measuring and control systems for industrial processes and machinery. For general test procedures reference is to be made to Part 1 of the standard, applicable to all types of transmitters. All along the text of this standard the term "industrial transmitters", or "process transmitter", or PMT, covers all types of transmitters used in measuring and control systems for industrial processes and machinery.

Keel: en  
Alusdokumendid: IEC 62828-2:201X; FprEN 62828-2:2015  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62828-3:2015**

#### **Reference conditions and procedures for testing industrial and process measurement transmitters - Part 3: Specific procedures for temperature transmitters**

This Part 3 of the IEC 62828 standard series establishes specific procedures for testing temperature transmitters used in measuring and control systems for industrial process and for machinery control systems. For general test procedures, reference is to be made to Part 1 of the standard, applicable to all types of transmitters. All along the text of this standard, the term "industrial transmitters", or "process transmitter", or PMT, covers all types of transmitters used in measuring and control systems for industrial process and for machinery.

Keel: en

Alusdokumendid: IEC 62828-3:201X; FprEN 62828-3:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62841-2-14:2015/FprAA:2015**

#### **Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 2-14: Particular requirements for hand-held planers**

Amends by Common Mod FprEN 62841-2-14:2014

Keel: en

Alusdokumendid: FprEN 62841-2-14:2015/FprAA:2015

Muudab dokumenti: FprEN 62841-2-14:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62841-3-12:2015**

#### **Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-12: Particular requirements for transportable threading machines**

This clause of Part 1 is applicable, except as follows: Addition: This part of IEC 62841 applies to threading machines

Keel: en

Alusdokumendid: FprEN 62841-3-12:2015; IEC 62841-3-12:201X

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 11970**

#### **Small craft - Electric propulsion system (ISO/FDIS 11970:2015)**

This International Standard specifies how a welding procedure specification (WPS) for production welding of steel castings is qualified. It defines the conditions for the execution of welding procedure approval tests and the limits of validity of a qualified welding procedure for all practical welding operations within the range of essential variables. Tests are intended to be carried out in accordance with this International Standard unless additional tests are specified by the purchaser or by agreement between the contracting parties.

Keel: en

Alusdokumendid: FprEN ISO 11970; ISO/FDIS 11970:2015

Asendab dokumenti: EVS-EN ISO 11970:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 12670**

#### **Thermal spraying - Components with thermally sprayed coatings - Technical supply conditions (ISO 12670:2011)**

This European Standard specifies technical supply conditions when using thermally sprayed coatings for manufacturing or repair of components

Keel: en

Alusdokumendid: ISO 12670:2011; FprEN ISO 12670

Asendab dokumenti: EVS-EN 15311:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 12679**

#### **Thermal spraying - Recommendations for thermal spraying (ISO 12679:2011)**

The standard contains general rules for a professional production of metallic, metall-ceramic, oxid-ceramic and synthetic material coatings on metallic and non-metallic substrate materials applied by thermal spraying.

Keel: en

Alusdokumendid: ISO 12679:2011; FprEN ISO 12679

Asendab dokumenti: EVS-EN 14616:2005

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 14172 rev**

#### **Welding consumables - Covered electrodes for manual metal arc welding of nickel and nickel alloys - Classification (ISO/FDIS 14172:2015)**

This International Standard prescribes requirements for the classification of nickel and nickel-alloy covered electrodes for manual metal arc welding and overlaying. It includes those compositions in which the nickel content exceeds that of any other element.

Keel: en

Alusdokumendid: FprEN ISO 14172 rev; ISO/FDIS 14172:2015

Asendab dokumenti: EVS-EN ISO 14172:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50632-2-11:2015**

#### **Electric motor-operated tools - Dust measurement procedure - Part 2-11: Particular requirements for jig and sabre saws**

This European Standard applies to hand-held motor-operated electric tools and deals with the measurement procedure for jig and sabre saws for measurements of dust emission.

Keel: en

Alusdokumendid: prEN 50632-2-11:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50632-2-14:2015**

#### **Electric motor-operated tools - Dust measurement procedure - Part 2-14: Particular requirements for planers**

This European Standard applies to hand-held motor-operated electric tools and deals with the measurement procedure for planers for measurements of dust emission.

Keel: en

Alusdokumendid: prEN 50632-2-14:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50632-2-17:2015**

#### **Electric motor-operated tools - Dust measurement procedure - Part 2-17: Particular requirements for routers and trimmers**

This European Standard applies to hand-held motor-operated electric tools and deals with the measurement procedure for routers and trimmers for measurements of dust emission.

Keel: en

Alusdokumendid: prEN 50632-2-17:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50632-2-19:2015**

#### **Electric motor-operated tools - Dust measurement procedure - Part 2-19: Particular requirements for jointers**

This European Standard applies to hand-held motor-operated electric tools and deals with the measurement procedure for jointers for measurements of dust emission.

Keel: en

Alusdokumendid: prEN 50632-2-19:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50632-2-5:2015**

#### **Electric motor-operated tools - Dust measurement procedure - Part 2-5: Particular requirements for circular saws**

This European Standard applies to hand-held motor-operated electric tools and deals with the measurement procedure for circular saws for measurements of dust emission.

Keel: en

Alusdokumendid: prEN 50632-2-5:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN ISO 17916**

#### **Safety of thermal cutting machines (ISO/DIS 17916:2013)**

This standard specifies the safety requirements and measures for machinery covering design, construction, production, transport, installation, operation, maintenance and putting out of service. This standard applies to machinery using thermal cutting and or marking processes such as oxy-fuel, plasma arc. This standard applies to machinery the basis of which is either designed as open gantry, cantilever machine or the track of which is incorporated in the cutting table. This standard applies to any machine

regardless of work piece or how the work piece is supported . This document does not cover design standards for specific tools, e.g. oxy-fuel hose standards, electrical requirements for plasma power supplies. Most tools used on thermal cutting machines have specific design standards. Risks arising from thermal cutting tools may be covered by related standards. Risks arising from laser radiation, except those caused by position indicating lasers, are not covered by this standard. Those risks are covered by ISO 11553. Machines that combine thermal processes with other processes (e.g. grinding, drilling, milling etc.) are only partly covered. Risks arising from these other processes may be covered by related standards.

Keel: en

Alusdokumendid: ISO/FDIS 17916:2015; prEN ISO 17916:2015

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

### prEN ISO 18276

#### **Welding consumables - Tubular cored electrodes for gas-shielded and non-gas-shielded metal arc welding of high-strength steels - Classification (ISO/DIS 18276:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 18276:2015; prEN ISO 18276

Asendab dokumenti: EVS-EN ISO 18276:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 27 ELEKTRI- JA SOOJUSENERGEETIKA

### prEN 15316-4-10

#### **Heating systems and water based cooling systems in buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-10: Wind power generation systems**

This standard deals with procedures for the assessment of electricity generation within the direct building environment through wind power systems. The wind power systems described in this document are small plants as they may occur in domestic production and use of electricity in connection with buildings. This standard covers wind generation power systems  $\leq 75$  kW.

Keel: en

Alusdokumendid: prEN 15316-4-10

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 61227

#### **Nuclear power plants - Control rooms - Operator controls**

This International Standard supplements IEC 60964 which applies to the design for control rooms of nuclear power plants. It identifies the Human-Machine Interface (HMI) requirements for discrete controls, multiplexed conventional systems, and soft control systems. For the main control room of a nuclear power plant, IEC 60964 includes general requirements for layout, user needs and verification and validation methods, and these aspects are not repeated in this standard. However, IEC 61772 on Visual Displays Unit (VDU) also provides some guidance on displays and indications where necessary for the correct application of the control requirements. This standard is intended for application to the design of new main control rooms in nuclear power plants designed to IEC 60964 where this is initiated after the publication of this standard. If it is desired to apply it to supplementary control points or local control positions, or to existing control rooms or designs, special caution shall be exercised as it makes assumptions such as the automation level that may not apply.

Keel: en

Alusdokumendid: IEC 61227:2008; prEN 61227

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 29 ELEKTROTEHNIKA

### EVS-EN 60061-1:2001/FprA54:2015

#### **Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 1: Lambisoklid. Muudatus 54**

#### **Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps - Amendment 54**

Consolidated edition incorporating the sheets of the third edition (1969) plus supplements A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S, T and U valid on 1996-12-31.

Keel: en

Alusdokumendid: IEC 60061-1:1969/A54:201X; EN 60061-1:1993/FprA54:2015

Muudab dokumenti: EVS-EN 60061-1:2001

Muudab dokumenti: EVS-EN 60061-1:2001+A42:2009

Muudab dokumenti: EVS-EN 60061-1:2001+A44:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **EVS-EN 60061-2:2001/FprA51:2015**

#### **Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 2: Lambipesad. Muudatus 51 Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders - Amendment 51**

Consolidated edition incorporating the sheets of the third edition (1969), plus supplements A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, and R valid on 1996-12-31.

Keel: en

Alusdokumendid: IEC 60061-2:1969/A51:201X; EN 60061-2:1993/FprA51:2015

Muudab dokumenti: EVS-EN 60061-2:2001

Muudab dokumenti: EVS-EN 60061-2:2001+A39:2009

Muudab dokumenti: EVS-EN 60061-2:2001+A41:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **EVS-EN 60061-3:2001/FprA52:2015**

#### **Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 3: Mõõturid. Muudatus 52 Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges - Amendment 52**

Consolidated edition incorporating the sheets of the third edition (1969), plus supplements A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, S and T valid on 1996-12-31.

Keel: en

Alusdokumendid: IEC 60061-3:1969/A52:201X; EN 60061-3:1993/FprA52:2015

Muudab dokumenti: EVS-EN 60061-3:2001

Muudab dokumenti: EVS-EN 60061-3:2001+A40:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60076-57-1202:2015**

#### **Power transformers - Part 57-1202: Liquid immersed phase-shifting transformers**

This standard covers the requirements for phase-shifting transformers of all types. The scope excludes transformers with a fixed unregulated phase shift. This standard is limited to matters particular to phase-shifting transformers and does not include matters relating to general requirements for power transformers covered in existing standards in the IEC 60076 series or IEEE C57.12.00 and IEEE C57.12.10.

Keel: en

Alusdokumendid: IEC 60076-57-1202:201X; FprEN 60076-57-1202:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60079-29-1:2015**

#### **Explosive atmospheres - Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases**

This part of IEC 60079-29 specifies general requirements for construction, testing and performance, and describes the test methods that apply to portable, transportable and fixed equipment for the detection and measurement of flammable gas or vapour concentrations with air. The equipment, or parts thereof, is intended for use in explosive atmospheres and in mines susceptible to firedamp. This standard is applicable to flammable gas detection equipment with a measuring range up to any volume fraction as declared by the manufacturer, and which is intended to provide an indication, alarm or other output function; the purpose of which is to give a warning of a potential explosion hazard and in some cases, to initiate automatic or manual protective action(s).

Keel: en

Alusdokumendid: FprEN 60079-29-1:2015; IEC 60079-29-1:201X

Asendab dokumenti: EVS-EN 60079-29-1:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60623:2015**

#### **Secondary cells and batteries containing alkaline or other non-acid electrolytes - Vented nickel-cadmium prismatic rechargeable single cells**

This International Standard specifies marking, designation, dimensions, tests and requirements for vented nickel-cadmium prismatic secondary single cells. NOTE In this context, "prismatic" refers to cells having rectangular sides and base. When there exists an IEC standard specifying test conditions and requirements for cells used in special applications and which is in conflict with this standard, the former shall take precedence.

Keel: en

Alusdokumendid: IEC 60623:201X; FprEN 60623:2015

Asendab dokumenti: EVS-EN 60623:2002

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### [FprEN 60669-2-5:201X/FprAA:201X](#)

**Lülitid majapidamis- ja muudele taolistele kohtkindlatele elektripaigaldistele. Osa 2-5: Erinõuded. Elamute ja muude ehitiste elektroonikasüsteemide lülitid ja nende juurde kuuluvad tarvikud**

#### **Switches for household and similar fixed electrical installations - Part 2-5: Particular requirements - Switches and related accessories for use in home and building electronic systems (HBES)**

This standard applies to HBES switches with a working voltage not exceeding 250 V a.c. and a rated current up to and including 16 A for household and similar fixed electrical installations either indoors or outdoors and to associated electronic extension units. It applies - to HBES switches for the operation of lamp circuits and the control of the brightness of lamps (dimmers) as well as the control of the speed of motors (e.g. those used in ventilating fans) and for other purposes (e.g. heating installations), - to sensors, actuators, switched-socket-outlets, associated electronic extension units, etc In the present standard the word "HBES switch" is applied to describe all kind of HBES devices e.g. switches, sensors, actuators, switched-socket-outlets, associated electronic extension units, etc.

Keel: en

Alusdokumendid: FprEN 60669-2-5:201X/FprAA:201X

Muudab dokumenti: FprEN 60669-2-5

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

### [FprEN 60838-2-3:2015](#)

#### **Miscellaneous lampholders - Part 2-3: Particular requirements - Lampholders for double-capped linear LED-lamps**

This part of IEC 60838-2 applies to lampholders for double-capped tubular LED lamps intended for building-in (to be used for general lighting service and with caps as listed in Annex A). Lampholders within the scope of this standard do not include heat management.

Keel: en

Alusdokumendid: IEC 60838-2-3:201X; FprEN 60838-2-3:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### [FprEN 60898-2:2015](#)

#### **Circuit-breakers for overcurrent protection for household and similar installations - Part 2: Circuit-breakers for a.c. and d.c. operation**

This clause of Part 1 is applicable except as follows: Addition at the end of the first paragraph: This standard gives additional requirements for single- and two-pole circuit-breakers which, in addition to the above characteristics, are suitable for operation with direct current, and have a rated d.c. voltage not exceeding 220 V for single-pole and 440 V for two-pole circuit-breakers, a rated current not exceeding 125 A and a rated d.c. short-circuit capacity not exceeding 10 000 A. NOTE This standard applies to circuit-breakers able to make and break both a.c. current and d.c. current. Delete the last two paragraphs.

Keel: en

Alusdokumendid: IEC 60898-2:201X; FprEN 60898-2:2015

Asendab dokumenti: EVS-EN 60898-2:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### [FprEN 61058-1:2015](#)

#### **Switches for appliances - Part 1: General requirements**

This International Standard applies to switches for appliances. The switches are intended to control electrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A. Switches for appliances are intended to be operated by – a person via an actuating member – indirect actuation – actuating sensing unit – transmission of a signal between the actuating member or sensing unit and the switch may be connected by optical, acoustic, thermal, electrical or other relevant connection and may include remote controlled units.

Keel: en

Alusdokumendid: IEC 61058-1:201X; FprEN 61058-1:2015

Asendab dokumenti: EVS-EN 61058-1:2003

Asendab dokumenti: EVS-EN 61058-1:2003/A2:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### [FprEN 61058-1-1:2015](#)

#### **Switches for appliances - Part 1-1: Requirements for mechanical switch constructions**

This clause of part 1 is applicable. Add to the end of clause 1. This standard applies to mechanical switching devices and shall be used in conjunction with the requirements of IEC 61058-1. Note: Additional requirements for particular switches may be found in the relevant part 2 of IEC 61058.

Keel: en

Alusdokumendid: IEC 61058-1-1:201X; FprEN 61058-1-1:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 61058-1-2:2015**

#### **Switches for appliances - Part 1-2: Requirements for electronic switch constructions**

This clause of part 1 is applicable. Add at the end. This standard applies to electronic switching devices and shall be used in conjunction with the general requirements of IEC 61058-1. Note: Additional requirements for particular switches may be found in the relevant part 2 of IEC 61058

Keel: en

Alusdokumendid: IEC 61058-1-2:201X; FprEN 61058-1-2:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 61643-351:2015**

#### **Components for low-voltage surge protection - Part 351: Performance requirements and test methods for telecommunications and signalling network lightning isolation transformers (LIT)**

LIGHTNING ISOLATION TRANSFORMERS (LITs) are used for signal transformer applications with signal levels up to 400 V peak to peak. LITs are transformers, with or without an internal-winding screen, with a rated impulse withstand voltage greater than the peak voltage of the expected common-mode surge environment. LITs are applicable to component for surge protection against indirect and direct effect of lightning or other transient overvoltage. LITs are used to mitigate the onward propagation of common mode voltage surges. This standard defines test circuits and test methods for determining and verifying the LIT surge parameters. Preferred performance values for key parameters are given. This standard doesn't cover LIT operation under differential mode lightning surge conditions.

Keel: en

Alusdokumendid: IEC 61643-351:201X; FprEN 61643-351:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 61800-5-2:2015**

#### **Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional**

This part of IEC 61800, which is a product standard, specifies requirements and makes recommendations for the design and development, integration and validation of safety related power drive systems (PDS(SR)) in terms of their functional safety considerations. It applies to adjustable speed electrical power drive systems covered by the other parts of the IEC 61800 series of standards as referred in IEC 61800-2. NOTE 1: The term "integration" refers to the PDS(SR) itself, not to its incorporation into the safety-related application. NOTE 2: Other parts of IEC 61800 cover rating specifications, EMC, electrical safety, etc.

Keel: en

Alusdokumendid: IEC 61800-5-2:201X; FprEN 61800-5-2:2015

Asendab dokumenti: EVS-EN 61800-5-2:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 61982-4:2015**

#### **Secondary batteries (except lithium) for the propulsion of electric road vehicles - Safety requirements of nickel-metal hydride cells and modules**

This standard specifies test procedures and acceptance criteria for safety performance of nickel-metal hydride (Ni-MH) secondary cells and modules used for the propulsion of electric vehicles (EV) including battery electric vehicles (BEV) and hybrid electric vehicles (HEV). This standard intends to secure the basic safety performance of the cell as used in a battery system under intended use and reasonably foreseeable misuse, during the normal operation of EV. The safety requirements of the cell in this standard are based on the premise that the cells and modules are properly used in a battery pack and system within the limit of voltage, current and temperature as specified by the cell manufacturer. The evaluation of the safety of batteries during transport and storage is not covered by this standard.

Keel: en

Alusdokumendid: IEC 61982-4:201X; FprEN 61982-4:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62271-212:2015**

#### **High-voltage switchgear and controlgear - Part 212: Compact Equipment Assemblies for Distribution Substation (CEADS)**

This part of IEC 62271 specifies the service conditions, rated characteristics, general structural requirements and test methods of the assemblies of the main electrical functional units of a high-voltage/ low-voltage Distribution Substation, duly interconnected, for alternating current of rated operating voltages above 1 kV and up to and including 52 kV on the high-voltage side, service frequency 50 or 60 Hz. This assembly is to be cable-connected to the network, and intended for installation within an indoor or outdoor closed electrical operating area. A Compact Equipment Assembly for Distribution Substation (CEADS) as defined in this standard is designed and tested to be a single product with a single serial number and one set of documentation. The functions of a CEADS are: - switching and control for the operation of the high-voltage circuit(s); - protection of the high-voltage/low-voltage transformer functional unit; - high voltage/low-voltage transformation; - switching and control for the operation and protection of the low-voltage feeders.

Keel: en

Alusdokumendid: FprEN 62271-212:2015; IEC 62271-212:201X

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62660-3:2015**

#### **Secondary lithium-ion cells for the propulsion of electrical road vehicles - Part 3: Safety requirements**

This part of IEC 62660 specifies test procedures and acceptance criteria for safety performance of secondary lithium-ion cells and cell blocks used for propulsion of electric vehicles (EV) including battery electric vehicles (BEV) and hybrid electric vehicles (HEV).  
NOTE 1 Cell block can be used as alternative of cell according to the agreement between the manufacturer and the customer.  
NOTE 2 For the cell for plug-in hybrid electric vehicle (PHEV), the manufacturer can select either test condition of BEV application or HEV application.

Keel: en

Alusdokumendid: IEC 62660-3:201X; FprEN 62660-3:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 16840**

#### **Inland navigation vessels - Electrical shore connection, three-phase current 400 V, 50 Hz and at least 250 A**

This European Standard specifies requirements relating to devices for the supply of electrical power (three-phase AC - 400 V, with a frequency of 50 Hz and with a current of at least 250 A) to vessels in port. Annex A to this European Standard stipulates general and safety-technical requirements relating to the shore-based section of the electrical shore connection. Annex B to this European Standard stipulates general and safety-technical requirements relating to the connecting cables and to the on-board section of the electrical shore connection. The requirements according to the HD 60364 and HD 384 series of standards generally apply to shore-based low-voltage equipment. The requirements of Annex A of this European Standard complement the requirements contained in HD 60364/HD 384 Parts 1 to 6.

Keel: en

Alusdokumendid: prEN 16840

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 50645:2015**

#### **Ecodesign requirements for small power transformers**

This European Standard gives Ecodesign requirements for small power transformers complying with EN 61558 series and in relation to Commission regulation (EU) N° 548/2014 implementing the European Directive 2009/125/EC. This standard is applicable to transformers with 50 Hz AC input and output with a rated power of 1 kVA or more and a voltage lower than 1 kV, except those excluded in the regulation. For transformers with a voltage between 1 kV and 1,1 kV, this standard may be used as a guide.

Keel: en

Alusdokumendid: prEN 50645:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **31 ELEKTROONIKA**

### **EVS-EN 60747-16-1:2003/FprA2:2015**

#### **Semiconductor devices - Part 16-1: Microwave integrated circuits - Amplifiers**

Amendment to EN 60747-16-1:2002

Keel: en

Alusdokumendid: IEC 60747-16-1:2001/A2:201X; EN 60747-16-1:2002/FprA2:2015

Muudab dokumenti: EVS-EN 60747-16-1:2003

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60384-4:2015**

#### **Fixed capacitors for use in electronic equipment - Part 4: Sectional specification - Fixed aluminium electrolytic capacitors with solid (MnO<sub>2</sub>) and non-solid electrolyte**

This part of IEC 60384 applies to fixed aluminium electrolytic capacitors with solid (MnO<sub>2</sub>) and non-solid electrolyte primarily intended for d.c. applications for use in electronic equipment. It covers capacitors for long-life applications and capacitors for general-purpose applications. Capacitors for fixed surface mount aluminium electrolytic capacitors are not included but they are covered by IEC 60384-18. Capacitors for special-purpose applications may need additional requirements.

Keel: en

Alusdokumendid: IEC 60384-4:201X; FprEN 60384-4:2015

Asendab dokumenti: EVS-EN 60384-4:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60444-8:2015**

#### **Measurement of quartz crystal unit parameters - Part 8 : Test fixture for surface mounted quartz crystal units**

This part of IEC 60444 describes test fixtures suitable for leadless surface mounted quartz crystal units in enclosures as defined in IEC 61837. These fixtures allow the measurement of (series) resonance frequency, (series) resonance resistance, and equivalent electrical circuit parameters L1, C1 and C0 using the measurement techniques specified in IEC 60444-5 and for the determination of load resonance frequency and load resonance resistance according to IEC 60444-4 and IEC 60444-11.

Keel: en

Alusdokumendid: IEC 60444-8:201X; FprEN 60444-8:2015

Asendab dokumenti: EVS-EN 60444-8:2004

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60749-44:2015**

#### **Semiconductor devices - Mechanical and climatic test methods - Part 44: Neutron beam irradiated single event effect (SEE) test method for semiconductor devices**

This part of IEC 60749 establishes a procedure for measuring the single event effects on high density integrated circuit semiconductor devices including data retention capability of semiconductor devices with memory when subjected to terrestrial cosmic rays. The single event effects sensitivity is measured while the device is irradiated in a neutron beam of known flux. This test method can be applied to any type of integrated circuit.

Keel: en

Alusdokumendid: IEC 60749-44:201X; FprEN 60749-44:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 61360-6:2015**

#### **IEC Common Data Dictionary (IEC CDD) Quality guidelines**

This standard provides guidance for the definition of concepts that are used to describe classes and properties in a change request, submitted for update of the content of IEC Common Data Dictionary (IEC CDD). This includes - a basic understanding of key concepts and procedures used within IEC CDD; - a binding reference for quality control of IEC 61360 compliant dictionary content; - guidance on documents where necessary in-depth knowledge can be acquired (see clauses 2 and 12).

Keel: en

Alusdokumendid: IEC 61360-6:201X; FprEN 61360-6:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62572-3:2015**

#### **Fibre optic active components and devices - Reliability standards - Part 3: Laser modules used for telecommunication**

IEC 62572-3:2014 deals with reliability assessment of laser modules used for telecommunication. The aim of this standard is to establish a standard method of assessing the reliability of laser modules in order to minimize risks and to promote product development and reliability; to establish means by which the distribution of failures with time can be determined. This should enable the determination of equipment failure rates for specified end of life criteria. In addition, guidance is given in IEC TR 62572-2. This second edition cancels and replaces the first edition published in 2011. This second edition constitutes a technical revision in which multiple errors in references have been corrected. Keywords: reliability assessment of laser modules, telecommunication

Keel: en

Alusdokumendid: IEC 62572-3:201X; FprEN 62572-3:2015

Asendab dokumenti: EVS-EN 62572-3:2014

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62779-3:2015**

#### **Semiconductor devices - Semiconductor interface for human body communication - Part 3: Functional type and its operational conditions**

This part of IEC 62779 defines a functional type of a semiconductor interface for human body communication (HBC). An interface for HBC includes an electrode that is physical structure to transmit a data signal to the human body or receive a transmitted data signal from the body. An electrode directly contacts with the human body in many cases, but it cannot maintain the contact condition when an object, such as clothes, exists between the interface and the body or a near field communication is required; hence, depending on the contact condition, an interface for HBC can be categorized into a contact and non-contact type as shown in Figure 1. This part includes the categorization of the interface for HBC according to the contact condition; and performance parameters characterizing the interface of each category.

Keel: en

Alusdokumendid: IEC 62779-3:201X; FprEN 62779-3:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62830-2:2015**

#### **Semiconductor devices - Semiconductor devices for energy harvesting and generation - Part 2: Thermo power based thermoelectric energy harvesting**

This standard describes procedures and definitions for measuring the thermo power of thin films using in micro-scale thermoelectric energy generators, micro heaters and micro coolers. This standard specifies the methods of tests and the characteristic parameters of the thermoelectric properties of the wire, bulk and thin films which have the thickness below 5 µm

and the energy harvesting devices that have thermoelectric thin films for evaluating their performances accurately and practical use. This International Standard is applicable to energy harvesting devices for consumer, general industries, military and aerospace applications without any limitations of device technology and size.

Keel: en

Alusdokumendid: FprEN 62830-2:2015; IEC 62830-2:201X

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 33 SIDETEHNIKA

### **EVS-EN 61966-2-4:2006/FprA1:2015**

#### **Multimedia systems and equipment - Colour measurement and management - Part 2-4: Colour management - Extended-gamut YCC colour space for video applications - xvYCC**

Amendment to EN 61966-2-4:2006

Keel: en

Alusdokumendid: IEC 61966-2-4:2006/A1:201X; EN 61966-2-4:2006/FprA1:2015

Muudab dokumenti: EVS-EN 61966-2-4:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 13757-6**

#### **Communication systems for meters - Part 6: Local Bus**

This European Standard specifies the physical layer parameters of a local meter readout system ("Local Bus") for the communication with and the readout of a single meter or a small cluster of meters via a single battery powered readout device ("master") which can be connected temporarily or stationary for the communication directly to a meter (i.e. local readout) or via a fixed wiring or a small bus (i.e. remote readout). For generic descriptions concerning communication systems for meters and remote reading of meters, refer to EN 13757-1.

Keel: en

Alusdokumendid: FprEN 13757-6

Asendab dokumenti: EVS-EN 13757-6:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60793-2:2015**

#### **Optical fibres - Part 2: Product specifications - General**

IEC 60793-2:2011 contains the general specifications for both multimode and single-mode optical fibres. Sectional specifications for each of the four categories multimode class: A1, A2, A3, and A4 contain requirements specific to each category. Sectional specifications for each of the two single-mode classes, B and C, contain requirements common to each class. Each sectional specification includes family specifications (in normative annexes) that contain requirements for the applicable category or sub-categories. These sub-categories are distinguished on the basis of different fibre types or applications. The requirements of this standard apply to all classes. This seventh edition cancels and replaces the sixth edition published in 2007. This modification has been necessary because of the addition of new fibre categories to IEC 60793-2-10 and IEC 60793-2-50. This publication is to be read in conjunction with IEC 60793-1 series.

Keel: en

Alusdokumendid: FprEN 60793-2:2015; IEC 60793-2:201X

Asendab dokumenti: EVS-EN 60793-2:2012

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60794-1-1:2015**

#### **Optical fibre cables - Part 1-1: Generic specification - General**

This part of IEC 60794 applies to optical fibre cables for use with communication equipment and devices employing similar techniques and to cables having a combination of both optical fibres and electrical conductors. The object of this standard is to establish uniform generic requirements for the geometrical, transmission, material, mechanical, ageing (environmental exposure), climatic and electrical properties of optical fibre cables and cable elements, where appropriate.

Keel: en

Alusdokumendid: IEC 60794-1-1:201X; FprEN 60794-1-1:2015

Asendab dokumenti: EVS-EN 60794-1-1:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60794-3-70:2015**

#### **Optical Cables - Part 3.70: Family specification for outdoor optical fibre cables for rapid/multiple deployment**

This part of IEC 60794 is a family specification that covers outdoor optical fibre cables intended for rugged terrestrial rapid/multiple deployment. These cables, with enhanced mechanical, environmental and ingress performance may be used wherever a rapid or multiple deployment is relevant (e.g. mobile broadcast units, emergency rescue services, outdoor motion-robotics, etc.)

Keel: en

Alusdokumendid: IEC 60794-3-70:201X; FprEN 60794-3-70:2015

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### **FprEN 61000-4-31:2015**

### **Electromagnetic Compatibility (EMC) - Part 4-31: Testing and measurement techniques - AC mains ports broadband conducted disturbance immunity test**

This part of IEC 61000 relates to the conducted immunity of electrical and electronic equipment to electromagnetic disturbances coming from intended and/or unintended broadband signal sources having frequency contributions in the frequency range 150 kHz up to 80 MHz. The object of this standard is to establish a common reference to evaluate the immunity of electrical and electronic equipment when subjected to conducted disturbances caused by intended and/or unintended broadband signal sources (such as power line telecommunication systems) on AC mains ports. The test method documented in this part of IEC 61000 describes a consistent method to assess the immunity of an equipment or system against a defined phenomenon.

Keel: en

Alusdokumendid: IEC 61000-4-31:201X; FprEN 61000-4-31:2015

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### **FprEN 61000-4-9:2015**

### **Electromagnetic Compatibility (EMC) - Part 4-9: Testing and measurement techniques - Pulse magnetic field immunity test**

This part of IEC 61000 specifies the immunity requirements, test methods, and range of recommended test levels for equipment to impulse magnetic disturbances mainly encountered in: – industrial installations, – power plants, – railway installations, – medium voltage and high voltage sub-stations. The applicability of this standard to equipment installed in different locations is determined by the presence of the phenomenon, as specified in 4.

Keel: en

Alusdokumendid: FprEN 61000-4-9:2015; IEC 61000-4-9:201X

Asendab dokumenti: EVS-EN 61000-4-9:2002

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### **FprEN 61196-10:2015**

### **Coaxial communication cables - Part 10: Sectional specification for semi-rigid cables with polytetrafluoroethylene (PTFE) dielectric**

This part of IEC 61196 applies to semi-rigid coaxial communication cables with polytetrafluoroethylene (PTFE) dielectric and tubular outer conductor. These cables are intended for use in microwave and wireless equipments or other signal transmission equipments or units at frequencies above 500 MHz. It is to be read in conjunction with IEC 61196-1:2005.

Keel: en

Alusdokumendid: FprEN 61196-10:2015; IEC 61196-10:2014

Asendab dokumenti: EVS-EN 61196-2:2004

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### **FprEN 61300-2-47:2015**

### **Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-47: Tests - Thermal shocks**

This part of IEC 61300 details a procedure for determining the suitability of a fibre optic device to withstand the effects of thermal shock. In practice this means a very short change over time between extreme temperatures.

Keel: en

Alusdokumendid: FprEN 61300-2-47:2015; IEC 61300-2-47:201X

Asendab dokumenti: EVS-EN 61300-2-47:2010

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### **FprEN 62343-4-1:2015**

### **Dynamic modules - Software and hardware interface standards - Part 4-1: 1x9 wavelength selective switch**

This part of IEC 62343 describes a software and hardware interface for the 1x9 wavelength selective switch. The object of this document is to provide specifications on the software and hardware interface of 1x9 wavelength selective switch. These switches can be controlled by a resident firmware with such interface. This standard addresses the configuration and function to control. This interface is intended to enable a user or host to retrieve these switch's status and/or adjust.

Keel: en

Alusdokumendid: IEC 62343-4-1:201X; FprEN 62343-4-1:2015

Arvamusküsitluse lõppkuupäev: 07.07.2015

#### **FprEN 62572-3:2015**

### **Fibre optic active components and devices - Reliability standards - Part 3: Laser modules used for telecommunication**

IEC 62572-3:2014 deals with reliability assessment of laser modules used for telecommunication. The aim of this standard is to establish a standard method of assessing the reliability of laser modules in order to minimize risks and to promote product development and reliability; to establish means by which the distribution of failures with time can be determined. This should enable the determination of equipment failure rates for specified end of life criteria. In addition, guidance is given in IEC TR 62572-2. This second edition cancels and replaces the first edition published in 2011. This second edition constitutes a technical revision in which multiple errors in references have been corrected. Keywords: reliability assessment of laser modules, telecommunication

Keel: en

Alusdokumendid: IEC 62572-3:201X; FprEN 62572-3:2015

Asendab dokumenti: EVS-EN 62572-3:2014

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 50582

#### **Method of test for resistance to fire of unprotected optical fibre cables for use in emergency circuits (diameter less than or equal to 20 mm)**

This European Standard specifies the test method for optical fibre cables with an overall diameter not exceeding 20 mm designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. The test method, which is based on the direct impingement of flame from a propane burner giving a constant temperature attack of a notional 842 °C, can be used for cables for emergency circuits required to comply with Subclause 4.3.1.4.6 (a) of the Interpretative Document for Essential Requirement No. 2 'Safety in Case of Fire' (94/C62/01) of the Construction Products Directive (89/106/EEC). This standard includes (Annex C) a means of linking the measured survival time to the fire resistance classification for these cables, as required by Subclause 4.3.1.4.6(a) of 94/C62/01. The standard also includes (Informative Annex D) a means of applying a shock producing device and also (Informative Annex E) means of applying a water spray to the cable during the test, together with a shock.

Keel: en

Alusdokumendid: prEN 50582:2012; prEN 50582:2015

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

## 35 INFOTEHNOLOOGIA. KONTORISEADMED

### FprEN 13757-6

#### **Communication systems for meters - Part 6: Local Bus**

This European Standard specifies the physical layer parameters of a local meter readout system ("Local Bus") for the communication with and the readout of a single meter or a small cluster of meters via a single battery powered readout device ("master") which can be connected temporarily or stationary for the communication directly to a meter (i.e. local readout) or via a fixed wiring or a small bus (i.e. remote readout). For generic descriptions concerning communication systems for meters and remote reading of meters, refer to EN 13757-1.

Keel: en

Alusdokumendid: FprEN 13757-6

Asendab dokumenti: EVS-EN 13757-6:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 61000-4-10:2015

#### **Electromagnetic Compatibility (EMC) - Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test**

This part of IEC 61000 specifies the immunity requirements, test methods, and range of recommended test levels for equipment to damped oscillatory magnetic disturbances related to medium voltage and high voltage sub-stations. The test defined in this standard is applied to equipment which is intended to be installed in locations where the phenomenon as specified in 4 will be encountered. This standard does not specify disturbances due to capacitive or inductive coupling in cables or other parts of the field installation. IEC 61000-4-18 which deal with conducted disturbances, cover these aspects.

Keel: en

Alusdokumendid: FprEN 61000-4-10:2015; IEC 61000-4-10:201X

Asendab dokumenti: EVS-EN 61000-4-10:2002

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 62056-7-5:2015

#### **Electricity metering data exchange - The dlms/cosem suite - Part 7-5: Local data transmission profiles for Local Networks (LN)**

This International Standard specifies DLMS/COSEM communication profiles for transmitting metering data modelled by COSEM interface objects through a Local Data Transmission Interface (LDTI). The LDTI may be part of a meter or of a Local Network Access Point (LNAP) hosting a DLMS/COSEM server. The main body of this standard specifies the common aspects of the different communication profiles for the LDTI interface. The Annexes specify the communication protocol specific elements. The Annexes form an integral part of this International Standard.

Keel: en

Alusdokumendid: FprEN 62056-7-5:2015; IEC 62056-7-5:201X

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## prEN 12896-1

### Public transport - Reference data model - Part 1: Common concepts

1.1 General scope of the Standard The main objective of the present standard is to present the Public Transport Reference Data Model based on: -the Public Transport Reference Data Model published 2006 as EN12896 and known as Transmodel V5.1, -the model for the Identification of Fixed Objects for Public transport, published 2009 as EN 28701 and known as IFOPT, incorporating the requirements of -EN15531-1 to 3 and TS15531-4 and 5: Service interface for real-time information relating to public transport operations (SIRI), -TS16614-1 and 2: Network and Timetable Exchange (NeTEx), in particular the specific needs for long distance train operation. Particular attention is drawn to the data model structure and methodology: -the data model is described in a modular form in order to facilitate understanding and use of the model, -the data model is entirely described in UML. In particular, a Reference Data Model kernel is described, referring to the data domain: -Network Description: routes, lines, journey patterns, timing patterns, service patterns, scheduled stop points and stop places. This part corresponds to the network description as in Transmodel V5.1 extended by the relevant parts of IFOPT. Furthermore, the following functional domains are considered: -Timing Information and Vehicle Scheduling (runtimes, vehicle journeys, day type-related vehicle schedules) -Passenger Information (planned and real-time) -Operations Monitoring and Control: operating day-related data, vehicle follow-up, control actions -Fare Management (fare structure and access rights definition, sales, validation, control) -Management Information and Statistics (including data dedicated to service performance indicators). -Driver Management: -Driver Scheduling (day-type related driver schedules), - Rostering (ordering of driver duties into sequences according to some chosen methods), -Driving Personnel Disposition (assignment of logical drivers to physical drivers and recording of driver performance). The data modules dedicated to cover most functions of the above domains will be specified. Several concepts are shared by the different functional domains. This data domain is called Common Concepts. 1.2 Functional domain description 1.2.1 Public transport network and stop description The reference data model includes entity definitions for different types of points and links as the building elements of the topological network. Stop points, timing points and route points, for instance, reflect the different roles one point may have in the network definition: whether it is used for the definition of (topological or geographical) routes, as a point served by vehicles when operating on a line, or as a location against which timing information like departure, passing, or wait times are stored in order to construct the timetables. The line network is the fundamental infrastructure for the service offer, to be provided in the form of vehicle journeys which passengers may use for their trips. The main entities describing the line network in the reference data model are the line, the route and the journey pattern, which refer to the concepts of an identified service offer to the public, the possible variants of itineraries vehicles would follow when serving the line, and the (possibly different) successions of stop points served by the vehicles when operating on the route. The functional views of the network are described as layers. A projection is a mechanism enabling the description of the correspondence between the different layers. This mapping between the layers is particularly useful when spatial data from different environments (sources, functional domains) have to be combined. An example of such a situation is the mapping of the public transport network on the road network.

Keel: en

Alusdokumendid: prEN 12896-1

Asendab dokumenti: EVS-EN 12896:2006

Arvamusküsitluse lõppkuupäev: 07.07.2015

## prEN 12896-2

### Road Transport and Traffic Telematics - Public Transport Reference Data Model - Part 2: Public Transport Network

1.1 General Scope of the Standard The main objective of the present standard is to present the Public Transport Reference Data Model based on: -the Public Transport Reference Data Model published 2006 as EN12896 and known as Trasmodel V5.1, -the model for the Identification of Fixed Objects for Public transport, published 2009 as EN 28701 and known as IFOPT, incorporating the requirements of -EN15531-1 to 3 and TS15531-4 and 5: Service interface for real-time information relating to public transport operations (SIRI), -TS16614-1 and 2: Network and Timetable Exchange (NeTEx), in particular the specific needs for long distance train operation. Particular attention is drawn to the data model structure and methodology: -the data model is described in a modular form in order to facilitate understanding and use of the model, -the data model is entirely described in UML. In particular, a Reference Data Model kernel is described, referring to the data domain: -Network Description: routes, lines, journey patterns, timing patterns, service patterns, scheduled stop points and stop places. This part corresponds to the network description as in Transmodel V5.1 extended by the relevant parts of IFOPT. Furthermore, the following functional domains are considered: -Timing Information and Vehicle Scheduling (runtimes, vehicle journeys, day type-related vehicle schedules) -Passenger Information (planned and real-time) -Operations Monitoring and Control: operating day-related data, vehicle follow-up, control actions -Fare Management (fare structure and access rights definition, sales, validation, control) -Management Information and Statistics (including data dedicated to service performance indicators). -Driver Management: -Driver Scheduling (day-type related driver schedules), -Rostering (ordering of driver duties into sequences according to some chosen methods), -Driving Personnel Disposition (assignment of logical drivers to physical drivers and recording of driver performance). The data modules dedicated to cover most functions of the above domains will be specified. Several concepts are shared by the different functional domains. This data domain is called Common Concepts. 1.2 Functional Domain Description The different functional domains taken into account in the present standard and of which the data have been represented as the reference data model are described in Public Transport Reference Data Model - Part 1: Common Concepts. They are -Public Transport Network and Stop Description -Timing Information and Vehicle scheduling -Passenger information -Fare management -Operations monitoring and control -Management information -Personnel Management: Driver Scheduling, Rostering, Personnel Disposition The aspects of multi-modal operation and multiple operators' environment are also taken into account. 1.3 Particular Scope of this Document The present European Standard entitled Reference Data Model for Public Transport - Part 2 : Public Transport Network incorporates data structures which form the network topology description of Transmodel V5.1 and the major part of the fixed objects model of IFOPT. It is composed of three data packages: -Network Description, -Fixed Objects, -Tactical Planning Components. The data structures represented in this part form network topology descriptions. They typically reference to structures as described in the Public Transport Reference Data Model - Part 1: Common Concepts", such as version frames or generic grouping mechanisms. This document itself is composed of the following parts: -Main document (normative) representing the data model for the concepts shared by the different domains covered by Transmodel,

Keel: en

Alusdokumendid: prEN 12896-2

### prEN 12896-3

## Intelligent transport systems - Reference data model - Part 3: Timing information and vehicle scheduling

1.1 General Scope of the Standard The main objective of the present standard is to present the Reference Data Model for Public Transport, based on: -the Reference Data Model, EN12896, known as Transmodel V5.1, -CEN EN 28701, known as IFOPT, incorporating the requirements of -EN 15531-1 to -3 and TS 15531-4 and -5: Service interface for real-time information relating to public transport operations (SIRI), -TS 16614-1 and 2: Network and Timetable Exchange (NeTEx), in particular, the specific needs for long distance train operation. A particular attention is drawn to the data model structure and methodology: -the data model is described in a modular form in order to facilitate the understanding and the use of the model, -the data model is entirely described in UML. In particular, a Reference Data Model kernel is described, referring to the data domain: -Network Description: routes, lines, journey patterns, timing patterns, service patterns, scheduled stop points and stop places. This part corresponds to the Transmodel V5.1 Network Description extended by the IFOPT relevant parts. Furthermore, the following functional domains are considered: -Timing Information and Vehicle Scheduling (runtimes, vehicle journeys, day type-related vehicle schedules) - Passenger Information (planned and real-time) -Fare Management (fare structure, sales, validation, control) -Operations Monitoring and Control: operating day-related data, vehicle follow-up, control actions -Management Information and Statistics (including data dedicated to service performance indicators). -Driver Management: -Driver Scheduling (day-type related driver schedules), -Rostering (ordering of driver duties into sequences according to some chosen methods), -Driving Personnel Disposition (assignment of logical drivers to physical drivers and recording of driver performance). The data modules dedicated to cover most functions of the above domains will be specified. Several concepts are shared by the different functional domains. This data domain is called "Common Concepts". 1.2 Functional Domain Description The different functional domains taken into account in the present standard and of which the data have been represented as the reference data model are described in Public Transport Reference Data Model - Part 1: Common Concepts. They are: -Public Transport Network and Stop Description -Timing Information and Vehicle scheduling -Passenger information -Fare Management -Operations monitoring and control -Management information -Personnel Management: Driver Scheduling, Rostering, Personnel Disposition. The aspects of multi-modal operation and multiple operators' environment are also taken into account. 1.3 Particular Scope of this Document The present European Standard entitled Reference Data Model for Public Transport - Part 3: Timing Information and Vehicle Scheduling. Incorporates - Journey and Journey Times Model: describes the time-related information at the level of vehicle journeys, i.e. planned timing for the vehicles at day-type level. -Dated Journey Model: describes the link of the timing information for a single operating day and the day type related timing, -Passing Times Model: describes all the different types of passing times for the day type related information, -Vehicle Service Model: describes the information related the work of vehicles as planned for days types. It constitutes the main part of the Vehicle Scheduling Data Domain. -Vehicle Journey Assignment Model: describes operational assignments (advertised vehicle labels, stopping positions) related to particular vehicle journeys.

Keel: en

Alusdokumendid: prEN 12896-3

Asendab dokumenti: EVS-EN 12896:2006

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEVS-ISO/IEC 17788

## Infotehnoloogia. Pilvtöötlus. Ülevaade ja sõnavara Information technology -- Cloud computing -- Overview and vocabulary

ISO/IEC 17788:2014 esitab pilvtöötuse ülevaate koos terminite ja määratluste koguga. Ta on pilvtöötuse standardite terminoloogia alus. ISO/IEC 17788:2014 on kohaldatav igat tüüpi organisatsioonidele (näiteks äriettevõtetele, riigiasutustele, mittetulundusühingutele).

Keel: en

Alusdokumendid: ISO/IEC 17788:2014

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEVS-ISO/IEC 17789

## Infotehnoloogia. Pilvtöötlus. Etalonarhitektuur Information technology -- Cloud computing -- Reference architecture

See soovitus/standard spetsifitseerib pilvtöötuse etalonarhitektuuri (CCRA). See etalonarhitektuur hõlmab pilvtöötuse rolle, pilvtöötuse tegevusi ja pilvtöötuse funktsionaalkomponente ning nende seoseid.

Keel: en

Alusdokumendid: ISO/IEC 17789:2014

Arvamusküsitluse lõppkuupäev: 07.07.2015

## 43 MAANTEESÕIDUKITE EHITUS

### FprEN 62343-4-1:2015

## Dynamic modules - Software and hardware interface standards - Part 4-1: 1x9 wavelength selective switch

This part of IEC 62343 describes a software and hardware interface for the 1x9 wavelength selective switch. The object of this document is to provide specifications on the software and hardware interface of 1x9 wavelength selective switch. These switches

can be controlled by a resident firmware with such interface. This standard addresses the configuration and function to control. This interface is intended to enable a user or host to retrieve these switch's status and/or adjust.

Keel: en

Alusdokumendid: IEC 62343-4-1:201X; FprEN 62343-4-1:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62660-3:2015**

#### **Secondary lithium-ion cells for the propulsion of electrical road vehicles - Part 3: Safety requirements**

This part of IEC 62660 specifies test procedures and acceptance criteria for safety performance of secondary lithium-ion cells and cell blocks used for propulsion of electric vehicles (EV) including battery electric vehicles (BEV) and hybrid electric vehicles (HEV).  
NOTE 1 Cell block can be used as alternative of cell according to the agreement between the manufacturer and the customer.  
NOTE 2 For the cell for plug-in hybrid electric vehicle (PHEV), the manufacturer can select either test condition of BEV application or HEV application.

Keel: en

Alusdokumendid: IEC 62660-3:201X; FprEN 62660-3:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **45 RAUDTEETEHNIKA**

### **FprEN 61375-2-3:2015**

#### **Electronic railway equipment - Train Communication Network (TCN) - Part 2-3: TCN communication profile**

This part of IEC 61375 specifies rules for the data exchange between consists in trains. The aggregation of these rules defines the TCN communication profile. The objective of the communication profile is to ensure interoperability between consists of the said trains with respect to the exchange of information. For this it defines all those items which are necessary for communication interoperability: • an architecture with defined train directions related to different train views • a common functional addressing concept • common communication protocol for data exchange between functions • a set of services for train communication control. As a restriction, this communication profile is adhered to the Ethernet Train Backbone (ETB) technology as defined in IEC 61375-2-5. Towards the consist networks, a more abstract interface is defined which does not restrict the appliance of any consist network technology as for instance MVB (IEC 61375-3-1), CANOpen (IEC 61375-3-3) or ECN (IEC 61375-3-4). It is not within the scope of the communication profile to define application data content and its meaning (e.g. syntax and semantics). This is within the responsibility of the application profiles. Namely two application profiles are explicitly supported as shown in Figure 1: the TCMS application profile as defined in IEC 61375-2-4, and the onboard multimedia and telematic services (OMTS) related profiles as defined in the IEC 62580 series.

Keel: en

Alusdokumendid: FprEN 61375-2-3:2015; IEC 61375-2-3:201X (9/2029/FDIS) (EQV)

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 12080**

#### **Railway applications - Axleboxes - Rolling bearings**

This European Standard specifies the quality parameters of axlebox rolling bearings supporting the primary load of the vehicle, required for reliable operation of trains on European networks. It covers metallurgical and material properties as well as geometric and dimensional characteristics. It also defines methods for quality assurance and conditions for approval of the products.

Keel: en

Alusdokumendid: prEN 12080

Asendab dokumenti: EVS-EN 12080:2008+A1:2010

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 12082**

#### **Railway applications - Axleboxes - Performance testing**

This European Standard specifies the principles and methods for a rig performance test of the system of axlebox rolling bearing(s), housing, seal(s) and grease. Test parameters and minimum performance requirements for vehicles in operation on main lines are specified in Annex A (normative). Different test parameters and performance requirements may be selected for vehicles in operation on other networks (e.g. urban rail). This standard is historically developed for outboard applications but is also valid for vehicles with other bearing arrangements (e.g.: inboard application or single wheels). Annex B (informative) describes some possible examples where a sequenced performance test takes the broad range of different service conditions within a specific application or vehicle platform into account. Annex C (normative) describes in detail an optional water tightness test. Basic principles and minimum requirements for a field test are also determined. Oil lubricated bearings are not covered by this standard. Until standards are available, the testing of these bearing arrangements should be agreed between the involved parties.

Keel: en

Alusdokumendid: prEN 12082

Asendab dokumenti: EVS-EN 12082:2008+A1:2010

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## prEN 13715

### Railway applications - Wheelsets and bogies - Wheels - Tread profile

This European Standard defines the tread profiles of wheels with a diameter greater than or equal to 330 mm used on vehicles running on European standard gauge track to fulfil interoperability requirements. These profiles apply to new wheels, whether free-standing or assembled as wheelsets, as well as to wheels that require reprofiling during maintenance.

Keel: en

Alusdokumendid: prEN 13715

Asendab dokumenti: EVS-EN 13715:2006+A1:2010

Arvamusküsitluse lõppkuupäev: 07.07.2015

## prEN 16186-2

### Railway applications - Driver's cab - Part 2: Integration of displays, controls and indicators

This European Standard gives design rules and guidance in order to ensure proper visibility, luminance and contrast of screens, controls and indicators in the cab in all operating conditions (day, night, natural or artificial incidental lighting). It covers three aspects: necessary characteristics of the displays, controls and indicators in order to ensure proper visibility: range of luminance and contrast, and possibility of adjustment of perceived brightness; rules for positioning of the displays, keyboards, controls and indicators in the cab and on the driver's desk: position, angle of visibility, etc. with consideration of the normal driving position and of the working environment (windscreen, natural or artificial lighting in the cab, unwanted glare and reflections, etc.); design of symbols. There are objectives, recommendations and normative requirements as follows: a) Objectives Objectives are labelled by the term "objective" and are expressed by "should". Objectives themselves are not subject of assessments, Objectives provided by this standard are deemed to be fulfilled by the application of this standard. b) Recommendations Recommendations are expressed by "should". A recommendation is only subject of assessment if the recommendation is chosen by the applicant. c) Normative requirements Normative requirements are expressed by "shall" and represent the comprehensive set of interoperable requirements. They are subject to assessment. NOTE Assessment is a process of validation performed by an assessor, e.g. a notified body or a quality inspector. If a requirement contains an option, the choice of this option is purely up to the applicant. Where reference to a country is given this refers to internal traffic within that geographical area only.

Keel: en

Alusdokumendid: prEN 16186-2:2013

Arvamusküsitluse lõppkuupäev: 07.06.2015

## 47 LAEVAEHITUS JA MERE-EHITISED

### FprEN ISO 12217-1 rev

#### Small craft - Stability and buoyancy assessment and categorization - Part 1: Non-sailing boats of hull length greater than or equal to 6 m (ISO/FDIS 12217-1:2015)

This part of ISO 12217 specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of boats susceptible to swamping are also encompassed. The evaluation of stability and buoyancy properties using this part of ISO 12217 will enable the boat to be assigned to a design category (A, B, C or D) appropriate to its design and maximum total load. This part of ISO 12217 is principally applicable to boats propelled by human or mechanical power of 6 m up to 24 m hull length. However, it can also be applied to boats of under 6 m if they do not attain the desired design category specified in ISO 12217-3 and they are decked and have quick-draining recesses which comply with ISO 11812.

Keel: en

Alusdokumendid: FprEN ISO 12217-1 rev; ISO/FDIS 12217-1:2015

Asendab dokumenti: EVS-EN ISO 12217-1:2013

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN ISO 12217-2

#### Small craft - Stability and buoyancy assessment and categorization - Part 2: Sailing boats of hull length greater than or equal to 6 m (ISO/FDIS 12217-2:2015)

This part of ISO 12217 specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of boats susceptible to swamping are also encompassed. The evaluation of stability and buoyancy properties using this part of ISO 12217 will enable the boat to be assigned to a design category (A, B, C or D) appropriate to its design and maximum load. This part of ISO 12217 is principally applicable to boats propelled primarily by sail (even if fitted with an auxiliary engine) of 6 m up to and including 24 m hull length. However, it can also be applied to boats less than 6 m if they are habitable multihulls or may be applied if they do not attain the desired design category specified in ISO 12217-3 and they are decked and have quick-draining recesses which comply with ISO 11812.

Keel: en

Alusdokumendid: FprEN ISO 12217-2; ISO/FDIS 12217-2:2015

Asendab dokumenti: EVS-EN ISO 12217-2:2013

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN ISO 12217-3 rev

#### Small craft - Stability and buoyancy assessment and categorization - Part 3: Boats of hull length less than 6 m (ISO/DIS 12217-3:2015)

This part of ISO 12217 specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of craft susceptible to swamping are also encompassed. The evaluation of stability and buoyancy properties using this part of ISO 12217 will enable the boat to be assigned to a design category (C or D) appropriate to its design and maximum load. This part of ISO 12217 is applicable to boats of hull length less than 6 m, whether propelled by human or mechanical power, except habitable sailing multihulls. Boats of hull length less than 6 m which are fitted with a full deck and quick-draining cockpit(s) complying with ISO 11812 may alternatively be assessed using ISO 12217- 1 or ISO 12217- 2 (for non-sailing and sailing boats, respectively), in which case higher design categories may be assigned.

Keel: en

Alusdokumendid: FprEN ISO 12217-3 rev; ISO/DIS 12217-3:2015

Asendab dokumenti: EVS-EN ISO 12217-3:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 16840

#### **Inland navigation vessels - Electrical shore connection, three-phase current 400 V, 50 Hz and at least 250 A**

This European Standard specifies requirements relating to devices for the supply of electrical power (three-phase AC - 400 V, with a frequency of 50 Hz and with a current of at least 250 A) to vessels in port. Annex A to this European Standard stipulates general and safety-technical requirements relating to the shore-based section of the electrical shore connection. Annex B to this European Standard stipulates general and safety-technical requirements relating to the connecting cables and to the on-board section of the electrical shore connection. The requirements according to the HD 60364 and HD 384 series of standards generally apply to shore-based low-voltage equipment. The requirements of Annex A of this European Standard complement the requirements contained in HD 60364/HD 384 Parts 1 to 6.

Keel: en

Alusdokumendid: prEN 16840

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 711

#### **Inland navigation vessels - Railings for decks and side decks - Requirements, types**

This European Standard is applicable to railings for decks and gangways on inland navigation vessels. It lays down design, dimensions, strength and test conditions which have to be observed for safety reasons. These railings provide protection for persons against falling overboard and from one deck to another.

Keel: en

Alusdokumendid: prEN 711

Asendab dokumenti: EVS-EN 711:2000

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 16315

#### **Small craft - Electric propulsion system (ISO/IEC DIS 16315:2013)**

This standard addresses AC and DC electrical systems with an energy storage component used for the purpose of propulsion. These systems operate at more than 250 VAC nominal, but less than 1000 VAC, and direct current (DC) systems operating at more than 50 VDC nominal but less than 1500 VDC including battery banks, motors, and controllers. This document applies to craft up to 24 meters in length. NOTE for craft exceeding 24 meters see IEC 60092-501[3]. It also lists in Annex A additional information to be included in the owner's manual. Annex C gives example of common systems.

Keel: en

Alusdokumendid: prEN ISO 16315:2015; ISO/DIS 16315:2015

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

## **53 TÖSTE- JA TEISALDUS-SEADMED**

### prEN 16851

#### **Cranes - Light crane systems**

This European Standard applies to - light crane systems consisting of one or more lifting devices, bridges and their tracks; - wall-mounted, pillar and workshop jib cranes. This European Standard is applicable to cranes and crane systems, whose structures are made of steel or aluminium, excluding aluminium structures containing welded joints. This European Standard is not applicable to erection or dismantling operations or changing the configuration of the crane. This European Standard gives requirements for all significant hazards, hazardous situations and events relevant to cranes, when used as intended and under conditions foreseen by the manufacturer (see Clause 4). The specific hazards due to potentially explosive atmospheres, ionising radiation, operation in electromagnetic fields beyond the range of EN 61000-6-2 and operation in pharmacy or food industry are not covered by this European Standard. This European Standard does not include requirements for the lifting of persons. This European Standard is applicable to cranes, which are manufactured after the date of approval by CEN of this European Standard.

Keel: en

Alusdokumendid: prEN 16851

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**prEN ISO 1421**

**Rubber- or plastics-coated fabrics - Determination of tensile strength and elongation at break (ISO/DIS 1421:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 1421:2015; prEN ISO 1421

Asendab dokumenti: EVS-EN ISO 1421:2000

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**prEN ISO 4674-1**

**Rubber- or plastics-coated fabrics - Determination of tear resistance - Part 1: Constant rate of tear methods (ISO/DIS 4674-1:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 4674-1:2015; prEN ISO 4674-1

Asendab dokumenti: EVS-EN ISO 4674-1:2004

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**prEN ISO 5470-1 rev**

**Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 1: Taber abrader (ISO/DIS 5470-1:2015)**

This part of ISO 5470 describes a method of assessing the abrasive wear resistance of coated fabrics using the Taber abrader.

Keel: en

Alusdokumendid: prEN ISO 5470-1 rev; ISO/DIS 5470-1:2015

Asendab dokumenti: EVS-EN ISO 5470-1:2000

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**EVS-EN 16318:2013/prA1**

**Fertilizers and liming materials - Determination of chromium (VI) by photometry (method A) and by ion chromatography with spectrophotometric detection (method B)**

EN 16318:2013 will be amended taking into account liming materials in the scope of the method. Clause 7 Precision and Annex A Results of the inter-laboratory test will be amended by addition of the precision data received from the inter-laboratory test performed in 2013 analysing samples of liming materials. The main title of the document will be extended to liming materials to read: fertilizers and liming materials.

Keel: en

Alusdokumendid: EN 16318:2013/prA1

Muudab dokumenti: EVS-EN 16318:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN ISO 4254-1**

**Agricultural machinery - Safety - Part 1: General requirements (ISO 4254-1:2013)**

No scope available

Keel: en

Alusdokumendid: ISO 4254-1:2013; FprEN ISO 4254-1 rev

Asendab dokumenti: EVS-EN ISO 4254-1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**prEN ISO 4254-5**

**Agricultural machinery - Safety - Part 5: Power-driven soil-working machines (ISO/DIS 4254-5:2015)**

This part of ISO 4254, intended to be used together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of mounted, semi-mounted and trailed power-driven soil-working machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. This part of ISO 4254 deals with significant hazards (as listed in Annex A), hazardous situations and events relevant to power-driven soil-working machines used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

Keel: en

Alusdokumendid: prEN ISO 4254-5; ISO/DIS 4254-5:2015

Asendab dokumenti: EVS-EN ISO 4254-5:2009  
Asendab dokumenti: EVS-EN ISO 4254-5:2009/AC:2010  
Asendab dokumenti: EVS-EN ISO 4254-5:2009/AC:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 4254-8

#### **Agricultural machinery - Safety - Part 8: Solid fertilizer distributors (ISO/DIS 4254-8:2015)**

This part of ISO 4254, applied together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of mounted, semi-mounted, trailed or self-propelled fertilizer distributors for solid fertilizer application, i.e. full width solid fertilizer distributors, solid fertilizer broadcasters, distributors with oscillating tube and line distributors as well as solid fertilizer distributors driven by an auxiliary engine to be used by one operator only, used in agriculture, horticulture and in forestry. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer

Keel: en

Alusdokumendid: prEN ISO 4254-8; ISO/DIS 4254-8:2015

Asendab dokumenti: EVS-EN 14017:2005+A2:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 4254-9

#### **Agricultural machinery - Safety - Part 9: Seed drills (ISO/DIS 4254-9:2015)**

This part of ISO 4254, applied together with ISO 4254-1, specifies the safety requirements and their verification for the design and construction of mounted, semi-mounted, trailed or self-propelled seed drills, including the seeding function of combined seed and fertilizer drills, used in agriculture and horticulture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

Keel: en

Alusdokumendid: prEN ISO 4254-9; ISO/DIS 4254-9:2015

Asendab dokumenti: EVS-EN 14018:2005+A1:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 67 TOIDUAINETE TEHNOLOOGIA

### prEN 14176

#### **Foodstuffs - Determination of domoic acid in raw shellfish, raw finfish and cooked mussels by RP-HPLC using UV detection**

This European Standard specifies methods for the quantitative determination of domoic acid in raw bivalve molluscs and finfish as well as in cooked mussels. The limit of detection is about 10 ng/ml to 80 ng/ml (0,05 mg/kg to 0,4 mg/kg), depending on the UV detector sensitivity. The limit of quantification for DA by these methods is at least 2,7 mg/kg. Method A has been validated for the determination of DA in different raw matrices such as mussels, clams, scallops and anchovies, spiked and/or naturally contaminated at levels ranging from 2,7 mg/kg to 85,1 mg/kg. Method B has been validated for the determination of DA at levels ranging from 5 mg/kg to 12,9 mg/kg in cooked blue mussels. For further information on validation data, see Clause 8 and Annex A. Laboratory experience has shown that this standard can also be applied to other shellfish species, however, no complete validation study according to ISO 5725 has been carried out so far.

Keel: en

Alusdokumendid: prEN 14176

Asendab dokumenti: EVS-EN 14176:2004

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 14526

#### **Foodstuffs - Determination of saxitoxin-group toxins in shellfish - HPLC method using pre-column derivatization with peroxide or periodate oxidation**

This document specifies a method for the quantitative determination of saxitoxin (STX), decarbamoyl saxitoxin (dcSTX), neosaxitoxin (NEO), decarbamoyl neosaxitoxin (dcNEO), gonyautoxin 1 and 4 (GTX1,4; sum of isomers), gonyautoxin 2 and 3 (GTX2,3; sum of isomers), gonyautoxin 5 (GTX5 also called B1), gonyautoxin 6 (GTX6 also called B2), decarbamoyl gonyautoxin 2 and 3 (dcGTX2,3; sum of isomers), N-sulfocarbamoyl-gonyautoxin 1 and 2 (C1,2; sum of isomers) and (depending on the availability of certified reference materials (CRMs)) N-sulfocarbamoyl-gonyautoxin 3 and 4 (C3,4; sum of isomers) in (raw) mussels, oysters, scallops and clams. Laboratory experience has shown, that it is also applicable in other shellfish [10], [13] and cooked shellfish products. The method described was validated in a collaborative study [1], [2] and published as AOAC Official Method [3]. This method was also verified in a EURL-performance test aiming the total toxicity of the samples [4]. Toxins which were not available in the first collaborative study [1], [2] as dcGTX2,3 and dcNEO were validated in two additional studies [5], [6]. The lowest validated levels [1], [2], [6], are given in µg toxin (free base) per kg shellfish meat and also as µmol/kg shellfish meat and are listed in Table 1. A quantitative determination of GTX6 (B2) was not included in the first study but several laboratories detected this toxin directly after the ion exchange clean-up and reported a mass concentration of 30 µg/kg or higher in certain samples. For that reason, the present method is applicable to quantify GTX6 (B2) directly, depending on the availability of the standard material. Currently it is possible to determine GTX6 after a hydrolysis as NEO. The indirect quantification of GTX6 was validated in two additional studies [5], [6]. A quantitative determination of C3,4 was included in the first study. The present method is applicable to quantify C3,4 directly, depending on the availability of the standard material. The same hydrolysis protocol used for GTX6 can be applied to Fraction 1 of the SPE-COOH if C3,4 is present, to quantify this toxin as GTX1,4 [8].

Keel: en  
Alusdokumendid: prEN 14526  
Asendab dokumenti: EVS-EN 14526:2004  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### prEN 14944-1

### **Influence of cementitious products on water intended for human consumption - Test methods - Part 1: Influence of migration from factory made cementitious products on the organoleptic parameters**

This European Standard specifies a method to determine the influence of factory made cementitious products on the odour, flavour, colour and turbidity of test waters after contact with the products. This European Standard is applicable to factory made cementitious products, e.g. cement mortar linings to metallic pipes, tanks, concrete pipes etc. intended to be used for the transport and storage of water for human consumption, including raw water used for the production of drinking water.

Keel: en  
Alusdokumendid: prEN 14944-1 rev  
Asendab dokumenti: EVS-EN 14944-1:2006  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### prEN 14944-3

### **Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementitious products**

This European Standard specifies a method to determine the migration of substances from factory made cementitious products into test waters after contact with the products. This European Standard is applicable to factory made cementitious products, e.g. cement mortar linings to metallic pipes, tanks, concrete pipes, etc., intended to be used for the transport and storage of water intended for human consumption, including raw water used for the production of drinking water.

Keel: en  
Alusdokumendid: prEN 14944-3 rev  
Asendab dokumenti: EVS-EN 14944-3:2007  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### prEN 16852

### **Foodstuffs - Determination of ethyl carbamate in stone fruit spirits, fruit marc spirits and other spirit drinks - GC-MS method**

This European Standard specifies a gas chromatographic method using mass spectrometric detection for the determination of ethyl carbamate (EC) in stone fruit spirits, fruit marc spirits and other spirit drinks. The method has been validated in an interlaboratory study for stone fruit spirits and fruit liqueurs, at levels ranging from 0,253 mg/l to 1,11 mg/l. However, linearity of the instrument response was proven for the concentration range 0,10 mg/l to 4,0 mg/l (simplified method) and 0,025 mg/l to 3,0 mg/l (procedure including sample clean-up), respectively.

Keel: en  
Alusdokumendid: prEN 16852  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### prEN 16889

### **Food hygiene - Production and dispense of hot beverages from hot beverage appliances - Hygiene requirements, migration test**

This standard specifies hygiene requirements which establish prerequisites for production of hot beverages, such as e.g. coffee and coffee specialities, tea, cocoa and dairy beverages from hot beverage appliances for commercial and household use in conformity with the food hygiene regulations and for placing on the market. Appliances for self-service are within the scope of this standard. For this purpose, the standard specifies general hygienic requirements for the construction, material and operation of the appliances concerned. It contains, in particular, requirements for hygienic and professional operation, for cleaning, disinfection and descaling as well as requirements for a migration test. This standard applies to appliances before their entering on the market (new machines) and it give also an informative Annex for appliances already in use (see Annex A). This standard does not deal with any requirements relevant to work safety. This standard deals neither with electrical safety nor with performance requirements. Standards EN 60335-2-15 and EN 60335-2-75 shall be used for commercially used appliances. Methods for measuring the performance of electric household coffee makers are provided in EN 60661.

Keel: en  
Alusdokumendid: prEN 16889  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## 71 KEEMILINE TEHNOLOOGIA

#### prEN 16785-2

### **Bio-based products - Bio-based content - Part 2: Determination of the bio-based content using the material balance method**

This European Standard specifies a method for the determination of the bio-based content in products, using material balance. This European Standard is applicable to any solid, liquid and gaseous product from a manufacturing unit, for which the bio-based contents of the inputs are known.

Keel: en

Alusdokumendid: prEN 16785-2

Arvamusküsitluse lõppkuupäev: 07.07.2015

## 75 NAFTA JA NAFTATEHNOLOOGIA

### FprEN ISO 15156-1

#### **Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials (ISO/FDIS 15156-1:2015)**

This part of ISO 15156 describes general principles and gives requirements and recommendations for the selection and qualification of metallic materials for service in equipment used in oil and gas production and in natural-gas sweetening plants in H<sub>2</sub>S-containing environments, where the failure of such equipment can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements given in the appropriate design codes, standards, or regulations. This part of ISO 15156 addresses all mechanisms of cracking that can be caused by H<sub>2</sub>S, including sulfide stress cracking, stress corrosion cracking, hydrogen-induced cracking and stepwise cracking, stress-oriented hydrogen-induced cracking, soft zone cracking, and galvanically induced hydrogen stress cracking.

Keel: en

Alusdokumendid: FprEN ISO 15156-1; ISO/FDIS 15156-1:2015

Asendab dokumenti: EVS-EN ISO 15156-1:2009

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN ISO 15156-2

#### **Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low alloy steels, and the use of cast irons (ISO/FDIS 15156-2:2015)**

This part of ISO 15156 gives requirements and recommendations for the selection and qualification of carbon and low-alloy steels for service in equipment used in oil and natural gas production and natural gas treatment plants in H<sub>2</sub>S-containing environments, whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards or regulations. This part of ISO 15156 addresses the resistance of these steels to damage that can be caused by sulfide stress-cracking (SSC) and the related phenomena of stress-oriented hydrogen-induced cracking (SOHIC) and soft-zone cracking (SZC). This part of ISO 15156 also addresses the resistance of these steels to hydrogen-induced cracking (HIC) and its possible development into stepwise cracking (SWC).

Keel: en

Alusdokumendid: FprEN ISO 15156-2; ISO/FDIS 15156-2:2015

Asendab dokumenti: EVS-EN ISO 15156-2:2009

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN ISO 15156-3

#### **Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO/FDIS 15156-3:2015)**

This part of ISO 15156 gives requirements and recommendations for the selection and qualification of CRAs (corrosion-resistant alloys) and other alloys for service in equipment used in oil and natural gas production and natural gas treatment plants in H<sub>2</sub>S-containing environments whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards, or regulations. This part of ISO 15156 addresses the resistance of these materials to damage that can be caused by sulfide stress-cracking (SSC), stress-corrosion cracking (SCC), and galvanically induced hydrogen stress cracking (GHSC). This part of ISO 15156 is concerned only with cracking. Loss of material by general (mass loss) or localized corrosion is not addressed. Table 1 provides a non-exhaustive list of equipment to which this part of ISO 15156 is applicable, including permitted exclusions.

Keel: en

Alusdokumendid: FprEN ISO 15156-3; ISO/FDIS 15156-3:2015

Asendab dokumenti: EVS-EN ISO 15156-3:2009

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 12081

#### **Railway applications - Axleboxes - Lubricating greases**

This European Standard specifies the quality requirements of greases intended for the lubrication of axlebox rolling bearings according to prEN 12080, required for reliable operation of trains on European networks. It covers the approval procedure for a

not yet approved grease, the management of modification for an approved grease and the method of quality batch control of the grease. The grease requirements are given for two speed classes.

Keel: en

Alusdokumendid: prEN 12081

Asendab dokumenti: EVS-EN 12081:2008+A1:2010

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 13075-1

#### **Bitumen and bituminous binders - Determination of breaking behaviour - Part 1: Determination of breaking value of cationic bituminous emulsions, mineral filler method**

This European Standard specifies a method for the determination of the breaking value of cationic bituminous emulsions. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en

Alusdokumendid: prEN 13075-1

Asendab dokumenti: EVS-EN 13075-1:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 13075-2

#### **Bitumen and bituminous binders - Determination of breaking behaviour - Part 2: Determination of fines mixing time of cationic bituminous emulsions**

This European Standard specifies a method for the determination of the fines mixing time of diluted cationic bituminous emulsions, under standardized conditions. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en

Alusdokumendid: prEN 13075-2

Asendab dokumenti: EVS-EN 13075-2:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN 16849

#### **Bitumen and bituminous binders - Determination of water content in bituminous emulsions - Method using a drying balance**

This European Standard specifies a quick method for determining, by evaporation, the water content of bituminous road emulsions, with or without polymer added. For bituminous emulsions without flux oil, bituminous emulsions containing vegetal flux oil, and bituminous emulsions containing up to 1,5 % mass of mineral flux oil in the emulsion, this European Standard, according to the selected operating conditions, is considered as an alternative method to the reference method EN 1428 [1]. Above a mineral flux oil content of 1,5 % by mass, depending on the volatility of the flux oil: — the present method can be used up to a flux oil content above 1,5 % by mass if the user can prove its reliability in comparison to EN 1428. — the present method can only be used by correcting the result by means of a previously established correlation with the reference method EN 1428. NOTE Polymer modified emulsions can behave differently in the test than unmodified emulsions; in case of doubt, the method is checked against EN 1428. In case of dispute, the water content should be determined according to EN 1428. WARNING - The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en

Alusdokumendid: prEN 16849

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### prEN ISO 18846

#### **Solid biofuels - Determination of fines content in quantities of pellets (ISO/DIS 18846:2015)**

This international standard specifies the method of determining the content of fines in quantities of pellets by means of manual sieving with a sieve with an aperture of 3,15 mm.

Keel: en

Alusdokumendid: ISO/DIS 18846:2015; prEN ISO 18846

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN ISO 11970****Small craft - Electric propulsion system (ISO/FDIS 11970:2015)**

This International Standard specifies how a welding procedure specification (WPS) for production welding of steel castings is qualified. It defines the conditions for the execution of welding procedure approval tests and the limits of validity of a qualified welding procedure for all practical welding operations within the range of essential variables. Tests are intended to be carried out in accordance with this International Standard unless additional tests are specified by the purchaser or by agreement between the contracting parties.

Keel: en

Alusdokumendid: FprEN ISO 11970; ISO/FDIS 11970:2015

Asendab dokumenti: EVS-EN ISO 11970:2008

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN ISO 15156-1****Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials (ISO/FDIS 15156-1:2015)**

This part of ISO 15156 describes general principles and gives requirements and recommendations for the selection and qualification of metallic materials for service in equipment used in oil and gas production and in natural-gas sweetening plants in H<sub>2</sub>S-containing environments, where the failure of such equipment can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements given in the appropriate design codes, standards, or regulations. This part of ISO 15156 addresses all mechanisms of cracking that can be caused by H<sub>2</sub>S, including sulfide stress cracking, stress corrosion cracking, hydrogen-induced cracking and stepwise cracking, stressoriented hydrogen-induced cracking, soft zone cracking, and galvanically induced hydrogen stress cracking.

Keel: en

Alusdokumendid: FprEN ISO 15156-1; ISO/FDIS 15156-1:2015

Asendab dokumenti: EVS-EN ISO 15156-1:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN ISO 15156-2****Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low alloy steels, and the use of cast irons (ISO/FDIS 15156-2:2015)**

This part of ISO 15156 gives requirements and recommendations for the selection and qualification of carbon and low-alloy steels for service in equipment used in oil and natural gas production and natural gas treatment plants in H<sub>2</sub>S-containing environments, whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards or regulations. This part of ISO 15156 addresses the resistance of these steels to damage that can be caused by sulfide stress-cracking (SSC) and the related phenomena of stress-oriented hydrogen-induced cracking (SOHIC) and soft-zone cracking (SZC). This part of ISO 15156 also addresses the resistance of these steels to hydrogen-induced cracking (HIC) and its possible development into stepwise cracking (SWC).

Keel: en

Alusdokumendid: FprEN ISO 15156-2; ISO/FDIS 15156-2:2015

Asendab dokumenti: EVS-EN ISO 15156-2:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

**FprEN ISO 15156-3****Petroleum and natural gas industries - Materials for use in H<sub>2</sub>S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO/FDIS 15156-3:2015)**

This part of ISO 15156 gives requirements and recommendations for the selection and qualification of CRAs (corrosion-resistant alloys) and other alloys for service in equipment used in oil and natural gas production and natural gas treatment plants in H<sub>2</sub>S-containing environments whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards, or regulations. This part of ISO 15156 addresses the resistance of these materials to damage that can be caused by sulfide stress-cracking (SSC), stress-corrosion cracking (SCC), and galvanically induced hydrogen stress cracking (GHSC). This part of ISO 15156 is concerned only with cracking. Loss of material by general (mass loss) or localized corrosion is not addressed. Table 1 provides a non-exhaustive list of equipment to which this part of ISO 15156 is applicable, including permitted exclusions.

Keel: en

Alusdokumendid: FprEN ISO 15156-3; ISO/FDIS 15156-3:2015

Asendab dokumenti: EVS-EN ISO 15156-3:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN ISO 643**

#### **Steel - Micrographic determination of the apparent grain size (ISO/FDIS 643:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/FDIS 643:2015; FprEN ISO 643

Asendab dokumenti: EVS-EN ISO 643:2012

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 10056-1 rev**

#### **Structural steel equal and unequal leg angles - Part 1: Dimensions**

This European Standard specifies requirements for the nominal dimensions of hot-rolled equal and unequal leg angles. This European Standard does not apply to angles with square roots. These requirements do not apply to equal and unequal leg angles rolled from stainless steel.

Keel: en

Alusdokumendid: prEN 10056-1 rev

Asendab dokumenti: EVS-EN 10056-1:2000

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 16828**

#### **Hot rolled steel channels, I and H sections - Dimensions and masses**

This European Standard specifies the nominal dimensions and masses of the hot rolled steel channels, I and H sections. The following shapes are covered by this European Standard: Sections: - Parallel flange I sections IPE - Wide flange beams HE - Extra wide flange beams HL - Wide flange columns HD - Wide flange bearing piles HP and UBP - Universal beams UB - Universal columns UC - Taper flange I sections IPN and J Channels: - Parallel flange channels UPE and PFC - Taper flange channels UPN, U and CH These requirements do not apply to hot rolled steel channels, I and H sections from stainless steel.

Keel: en

Alusdokumendid: prEN 16828

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN ISO 14577-4**

#### **Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 4: Test method for metallic and non-metallic coatings (ISO/DIS 14577-4:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 14577-4:2015; prEN ISO 14577-4

Asendab dokumenti: EVS-EN ISO 14577-4:2007

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN ISO 4545-1**

#### **Metallic materials - Knoop hardness test - Part 1: Test method (ISO/DIS 4545-1:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 4545-1:2015; prEN ISO 4545-1

Asendab dokumenti: EVS-EN ISO 4545-1:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN ISO 4545-2**

#### **Metallic materials - Knoop hardness test - Part 2: Verification and calibration of testing machines (ISO/DIS 4545-2:2015)**

No scope available

Keel: en

Alusdokumendid: ISO/DIS 4545-2:2015; prEN ISO 4545-2

Asendab dokumenti: EVS-EN ISO 4545-2:2006

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN ISO 4545-3**

#### **Metallic materials - Knoop hardness test - Part 3: Calibration of reference blocks (ISO/DIS 4545-3:2015)**

This part of ISO 4545 specifies the method for the calibration of reference blocks to be used for the indirect verification of Knoop hardness testing machines as specified in ISO 4545-2. The method is applicable only for indentations with long diagonals  $\geq 0,020$  mm.

Keel: en  
Alusdokumendid: prEN ISO 4545-3; ISO/DIS 4545-3:2015  
Asendab dokumenti: EVS-EN ISO 4545-3:2006  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### prEN ISO 4545-4

### **Metallic materials - Knoop hardness test - Part 4: Table of hardness values (ISO/DIS 4545-4:2015)**

This part of ISO 4545 gives a table for the calculation of Knoop hardness values for use in tests made on flat surfaces carried out in accordance with ISO 4545-1.

Keel: en  
Alusdokumendid: prEN ISO 4545-4; ISO/DIS 4545-4:2015  
Asendab dokumenti: EVS-EN ISO 4545-4:2006  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### prEN ISO 5832-3

### **Implants for surgery - Metallic materials - Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO/DIS 5832-3:2015)**

Specifies the characteristics of, and corresponding test methods for, the wrought titanium alloy known as titanium 6-aluminium 4-vanadium alloy (Ti 6-Al 4-V alloy) for use in the manufacture of surgical implants.

Keel: en  
Alusdokumendid: ISO/DIS 5832-3:2015; prEN ISO 5832-3 rev  
Asendab dokumenti: EVS-EN ISO 5832-3:2012  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **83 KUMMI- JA PLASTITÖÖSTUS**

#### prEN 12012-1

### **Plastics and rubber machines - Size reduction machines - Part 1: Safety requirements for blade granulators and shredders**

This European Standard specifies the essential safety requirements applicable to the design and construction of blade granulators and shredders used to reduce the size of products made from plastics and/or rubber. Machines considered in this European Standard begin at the outer edge of the feeding device/feed opening and end at the discharge area. This European Standard deals with all significant hazards, hazardous situations or hazardous events that are listed in Annex A, when blade granulators and shredders are used as intended and under conditions of misuse that are reasonably foreseeable by the manufacturer. This European Standard does not deal with - equipment for feeding material or discharging processed material that is not an integral part of the machine, - hazards caused by processing materials that could be hazardous to health, - safety measures to reduce the risk from ignition of flammable residues in material to be processed; - requirements for local exhaust ventilation systems. This European Standard is not applicable to blade granulators and shredders that are manufactured before the date of its publication.

Keel: en  
Alusdokumendid: prEN 12012-1  
Asendab dokumenti: EVS-EN 12012-1:2007+A1:2008  
Asendab dokumenti: EVS-EN 12012-3:2001+A1:2008  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

## **91 EHITUSMATERJALID JA EHITUS**

#### EVS 812-3:2013/prA1

### **Ehitiste tuleohutus. Osa 3: Küttesüsteemid Fire safety of constructions - Part 3: Heating systems**

See standard käsitleb ehitiste kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Keel: et  
Muudab dokumenti: EVS 812-3:2013  
**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### EVS-EN 1992-1-1:2005+A1:2014/prNA

### **Eurokoodeks 2. Betoonkonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonetele Eurocode 2: Design of concrete structures. Part 1-1: General rules and rules for buildings**

Rahvuslik lisa  
Keel: et  
Asendab dokumenti: EVS-EN 1992-1-1/NA:2007

Muudab dokumenti: EVS-EN 1992-1-1:2005+NA:2007  
Täiendab rahvuslikult dokumenti: EVS-EN 1992-1-1:2005  
Täiendab rahvuslikult dokumenti: EVS-EN 1992-1-1:2005/A1

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **EVS-EN 1993-1-1:2005/prNA**

#### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonete projekteerimiseks**

#### **Eurocode 3: Design of steel structures Part 1-1: General rules and rules for buildings**

Rahvuslik lisa standardile EVS-EN 1993-1-1:2005

Keel: et

Täiendab rahvuslikult dokumenti: EVS-EN 1993-1-1:2005

Täiendab rahvuslikult dokumenti: EVS-EN 1993-1-1:2005/A1:2014

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 13203-5**

#### **Gas-fired domestic appliances producing hot water - Part 5: Assessment of energy consumption of gas fired appliances combined with electrical heat pump**

This European Standard is applicable to gas-fired appliances producing domestic hot water. It applies to both instantaneous and storage gas-fired appliances combined with electrical heat pump. It applies to a package marketed as single unit or fully specified by a manufacturer that have: - a gas heat input not exceeding 70 kW; - a hot water storage capacity not exceeding 500 litres. Standard EN 13203-1 sets out in qualitative and quantitative terms the performance in delivery of domestic hot water for a selected variety of uses. It also gives a system for presenting the information to the user. This Part 5 sets out a method for assessing the energy performance of gas fired appliances combined with heat pump with electrically driven compressor according to EN 16147. This European standard does not apply for gas boilers with recovery systems using combustion products as heat source for the electrical heat pump. When the electrical heat pump does not work for domestic hot water production in the summer period, the present standard is not applicable for energy performances assessing, EN 13203-2 must be used.

Keel: en

Alusdokumendid: FprEN 13203-5

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 14303**

#### **Thermal insulation products for building equipment and industrial installations - Factory made mineral wool (MW) products - Specification**

This European Standard specifies the requirements for factory made mineral wool products, which are used for the thermal insulation of building equipment and industrial installations with an operating temperature range of approximately 0 °C to + 800 °C. NOTE Below an operating temperature of ambient, special means against water vapour diffusion and water accumulation by air flow might be required. Below an operating temperature of - 50 °C, special tests regarding the suitability of the products in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured with or without facings or coatings, in the form of rolls, boards, slabs, mats, felts, quilts, wired mats, lamella mats, bevelled lags and pipe sections. This European Standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered. This European Standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,065 W/(m·K) at 10 °C are not covered by this standard. This European Standard does not cover products for in situ insulation (blowing or pouring) or products for the insulation of the building structure. This European Standard does not cover the following acoustical aspects: direct airborne sound insulation and impact noise transmission index.

Keel: en

Alusdokumendid: FprEN 14303

Asendab dokumenti: EVS-EN 14303:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 14304**

#### **Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products - Specification**

This European Standard specifies the requirements for factory made flexible elastomeric foam products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 200 °C to + 175 °C. NOTE Below an operating temperature of - 50 °C, tests regarding the suitability of the products in the intended application shall be performed. Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of sheets, tubes, rolls and tapes with or without coating and/or self-adhesive backing and/or different closure systems. This European Standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered. This European Standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The

levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,050 W/(m·K) at 10 °C are not covered by this standard. This European Standard does not cover products for the insulation of the building structure. The normative part of this standard does not cover compressive stress (see Annex D, D.5).

Keel: en

Alusdokumendid: FprEN 14304

Asendab dokumenti: EVS-EN 14304:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 14305**

#### **Thermal insulation products for building equipment and industrial installations - Factory made cellular glass (CG) products - Specification**

This European Standard specifies the requirements for factory made cellular glass products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature range of approximately - 265 °C to + 430 °C. NOTE Below an operating temperature of - 50 °C, special tests regarding the suitability of the product in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of faced or unfaced boards, pipe sections, segments and prefabricated ware. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered. This standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,065 W/(m·K) at 10 °C are not covered by this standard. This standard does not cover products for the insulation of the building structure.

Keel: en

Alusdokumendid: FprEN 14305

Asendab dokumenti: EVS-EN 14305:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 14306**

#### **Thermal insulation products for building equipment and industrial installations - Factory made calcium silicate (CS) products - Specification**

This European Standard specifies the requirements for factory made calcium silicate products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature range of approximately - 170 °C to + 100 °C. NOTE Calcium silicate products can be used below - 50 °C. Below the operating temperature of - 50 °C, special tests, regarding the suitability of the product in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of boards, pipe sections, segments and prefabricated ware. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulation systems and composite panels; the structural performance of systems incorporating these products is not covered. This standard does not specify the required level or class of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,6 W/(mK) at 10 °C are not covered by this standard. This standard does not cover products intended to be used for the insulation of the building structure. This standard does not cover the following acoustical aspects: direct airborne sound insulation and impact noise transmission index.

Keel: en

Alusdokumendid: FprEN 14306

Asendab dokumenti: EVS-EN 14306:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 14307**

#### **Thermal insulation products for building equipment and industrial installations - Factory made extruded polystyrene foam (XPS) products - Specification**

This European Standard specifies the requirements for factory made extruded polystyrene foam products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 180 °C to + 75 °C. NOTE Below an operating temperature of - 50 °C, special tests regarding the suitability of the material in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of faced or unfaced boards, pipe sections, segments and prefabricated ware. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulating systems and composite panels; the performance of systems incorporating these products is not covered. This standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,060 W/(m·K) at a mean temperature of 10 °C are not covered by this standard. This standard does not cover products intended to be used for the insulation of the building structure nor for acoustical insulation.

Keel: en

Alusdokumendid: FprEN 14307

Asendab dokumenti: EVS-EN 14307:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 14308

#### **Thermal insulation products for building equipment and industrial installations - Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products - Specification**

This European Standard specifies the requirements for factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products, with a closed cell content not less than 90 %, with or without facings, which are used for the thermal insulation of building equipment and industrial installations, with an operating temperature range of approximately, - 200 °C to + 200 °C. NOTE Below an operating temperature of - 50 °C, special tests regarding the suitability of the products in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of blocks, faced or unfaced boards, pipe sections, segments and prefabricated ware. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulating systems and composite panels; the performance of systems incorporating these products is not covered. This standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,100 W/(m · K) at 10 °C are not covered by this standard. This standard does not cover products for in situ-insulation (spraying or dispensing) or products for the insulation of the building structure. This standard does not cover the following acoustical aspects: direct airborne sound insulation and impact noise transmission index.

Keel: en

Alusdokumendid: FprEN 14308

Asendab dokumenti: EVS-EN 14308:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 14309

#### **Thermal insulation products for building equipment and industrial installations - Factory made products of expanded polystyrene (EPS) - Specification**

This European Standard specifies the requirements for factory made products of expanded polystyrene which are used for the thermal insulation of building equipment and industrial installations with an operating temperature range of approximately - 180 °C to + 80 °C. Modified expanded polystyrene polymers with a higher temperature resistance are also covered by this standard. NOTE Below an operating temperature of - 50 °C, special tests regarding the suitability of the product in the intended application are advised (e.g. liquefaction of oxygen). Manufacturers' advice should be heeded in all cases. The products are manufactured in the form of faced or unfaced boards, rolls, lags, pipe sections or other prefabricated ware. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered. This standard does not specify the required level or class of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The classes and levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,060 W/(m·K) at 10 °C are not covered by this standard. This standard does not cover products for in situ insulation (for loose fill or poured insulation) or products for the insulation of the building structure.

Keel: en

Alusdokumendid: FprEN 14309

Asendab dokumenti: EVS-EN 14309:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 14313

#### **Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products - Specification**

This European Standard specifies the requirements for factory made flexible polyethylene foam products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 80 °C to + 150 °C. NOTE Tensile stress in the insulation product should be avoided when applying PEF. This is even more important when applying PEF on lines with operating temperatures between - 50 °C and - 80 °C. The tensile stress should be kept at the minimum by applying the foam "under pressure", i.e. cutting the parts in a generous way. Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of tubes, profiles, sheets, rolls and tapes with or without coating and/or self-adhesive backing and/or different closure systems. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered. This standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,050 W/(m·K) at 10 °C are not covered by this standard. This standard does not cover products for the insulation of the building structure. The normative part of this standard does not cover compressive stress (see Annex C, C.4).

Keel: en

Alusdokumendid: FprEN 14313

Asendab dokumenti: EVS-EN 14313:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### FprEN 14314

#### **Thermal insulation products for building equipment and industrial installations - Factory made phenolic foam (PF) products - Specification**

This European Standard specifies the requirements for factory made phenolic foam products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 200 °C to + 120 °C. NOTE Below an operating temperature of - 50 °C, special tests regarding the suitability of the products in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of blocks, faced or unfaced, boards, pipe sections, segments and prefabricated ware. This standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this standard are also used in prefabricated thermal insulating systems and composite panels; the performance of systems incorporating these products is not covered. This standard does not specify the required level of a given property that shall be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,050 W/(m·K) at 10 °C are not covered by this standard. This standard does not cover products for in situ-insulation (blowing or pouring) or products for the insulation of the building structure. This standard does not cover the following acoustical aspects: direct airborne sound insulation and impact noise transmission index.

Keel: en

Alusdokumendid: FprEN 14314

Asendab dokumenti: EVS-EN 14314:2009+A1:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 15501**

#### **Thermal insulation products for building equipment and industrial installations - Factory made expanded perlite (EP) and exfoliated vermiculite (EV) products - Specification**

This European Standard specifies the requirements for factory made expanded perlite and exfoliated vermiculite products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately 0 °C to + 1 100 °C. Expanded perlite and exfoliated vermiculite products can be used below 0 °C but special tests regarding the suitability of the product in the intended application are advised (e.g. liquefaction of oxygen). Manufacturer's advice should be heeded in all cases. The products are manufactured in the form of boards, pipe sections, segments, prefabricated ware and special ware. This European Standard describes product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this European Standard are also used in prefabricated thermal insulation systems and composite panels; the structural performance of systems incorporating these products is not covered. This European Standard does not specify the required level of a given property that is achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application can be found in regulations and invitations to tender. Products with a declared thermal conductivity greater than 0,6 W/(mK) at 10 °C are not covered by this European Standard. This European Standard does not cover products intended to be used for the insulation of the building structure. The European Standard does not cover the following acoustical aspects: direct airborne sound insulation and impact transmission noise index.

Keel: en

Alusdokumendid: FprEN 15501

Asendab dokumenti: EVS-EN 15501:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 1858**

#### **Korstnad. Komponentid. Betoonist suitsulõõri plokid Chimneys - Components - Concrete flue blocks**

This document specifies the materials, dimensional and performance requirements for precast concrete flue blocks as defined in Clause 3 for use in chimneys. The flue blocks may be of single wall or multi wall construction. The standard does not apply to flue blocks with back ventilation. This standard does not cover products designated wet (W) in conjunction with corrosion class 3. The standard also specifies a type of flue block to dimensionally coordinate with masonry unit coursing height, referred to as a type B (Bonding block). This European standard also applies to storey-height and flue blocks reinforced for handling. NOTE Any reference to the term flue blocks implies both flue blocks and their fittings, except where otherwise indicated.

Keel: en

Alusdokumendid: FprEN 1858

Asendab dokumenti: EVS-EN 1858:2009+A1:2011

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62056-7-5:2015**

#### **Electricity metering data exchange - The dlms/cosem suite - Part 7-5: Local data transmission profiles for Local Networks (LN)**

This International Standard specifies DLMS/COSEM communication profiles for transmitting metering data modelled by COSEM interface objects through a Local Data Transmission Interface (LDTI). The LDTI may be part of a meter or of a Local Network Access Point (LNAP) hosting a DLMS/COSEM server. The main body of this standard specifies the common aspects of the different communication profiles for the LDTI interface. The Annexes specify the communication protocol specific elements. The Annexes form an integral part of this International Standard.

Keel: en

Alusdokumendid: FprEN 62056-7-5:2015; IEC 62056-7-5:201X

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 62820-1-1:2015**

#### **Building intercom systems - Part 1-1: General requirements**

This part specifies the technical requirements for the composition, functions, performance, and test methods of general building intercom systems. This part is applicable to the general intercom systems for building entry in residential or commercial buildings. Door-Entry-System (DES) is a simple kind of convenient Building-Intercom-System (BIS) mainly for user's comfort. This standard has classified the general building intercom systems into two Grades in Part 1-1, Grade 1 adopts lower requirements to cover DES not used for relevant security applications while Grade 2 adopts higher requirements for Building Intercom Systems for security applications, each Grade may adopt different functional, performance requirements, test methods and normative references.

Keel: en

Alusdokumendid: IEC 62820-1-1:201X; FprEN 62820-1-1:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **prEN 13075-1**

### **Bitumen and bituminous binders - Determination of breaking behaviour - Part 1: Determination of breaking value of cationic bituminous emulsions, mineral filler method**

This European Standard specifies a method for the determination of the breaking value of cationic bituminous emulsions. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en

Alusdokumendid: prEN 13075-1

Asendab dokumenti: EVS-EN 13075-1:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **prEN 13075-2**

### **Bitumen and bituminous binders - Determination of breaking behaviour - Part 2: Determination of fines mixing time of cationic bituminous emulsions**

This European Standard specifies a method for the determination of the fines mixing time of diluted cationic bituminous emulsions, under standardized conditions. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en

Alusdokumendid: prEN 13075-2

Asendab dokumenti: EVS-EN 13075-2:2009

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **prEN 13203-4**

### **Gas-fired domestic appliances producing hot water - Part 4: Assessment of energy consumption of gas combined heat and power appliances (mCHP) producing hot water and electricity**

This European Standard is applicable to gas-fired mCHP appliances producing domestic hot water and electricity. The electricity is generated in a process linked to the production of useful heat. It applies to a mCHP appliances marketed as single unit or as a package fully specified by a manufacturer that have: - a gas heat input not exceeding 70 kW; - an electrical output not exceeding 50 kW and - a hot water storage capacity not exceeding 500 l. EN 13203 1 sets out in qualitative and quantitative terms the performance in delivery of domestic hot water for a variety of uses. It also gives a system for presenting the information to the user. The present document sets out a method for assessing the energy performance of gas fired mCHP appliances. It defines a number of daily tapping cycles for each domestic hot water use, kitchen, shower, bath and a combination of these, together with corresponding test procedures, enabling the energy performances of different gas-fired appliances to be compared and matched to the needs of the user. When the mCHP generator does not supply domestic hot water in the summer period, the present standard is not applicable. EN 13203 2 will be used for performance assessment of these generators.

Keel: en

Alusdokumendid: prEN 13203-4

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

#### **prEN 15316-4-10**

### **Heating systems and water based cooling systems in buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-10: Wind power generation systems**

This standard deals with procedures for the assessment of electricity generation within the direct building environment through wind power systems. The wind power systems described in this document are small plants as they may occur in domestic production and use of electricity in connection with buildings. This standard covers wind generation power systems ≤ 75 kW.

Keel: en

Alusdokumendid: prEN 15316-4-10

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16382

#### **Thermal insulation products for building applications - Determination of the pull-through resistance of plate anchors through thermal insulation products**

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

Keel: en

Alusdokumendid: prEN 16382

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16383

#### **Thermal insulation products for buildings applications - Determination of the hygrothermal behaviour of external thermal insulation composite systems with renders (ETICS)**

This European Standard specifies the equipment and procedures for determining the hygrothermal behaviour of external thermal insulation composite systems with renders (ETICS) delivered as a kit and used as thermal insulation for buildings.

Keel: en

Alusdokumendid: prEN 16383

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16798-11

#### **Energy performance of buildings - Module M4-3 - Calculation of the design cooling load**

Table 1 shows the relative position of this standard within the EN EPB set of standards. (...) The scope of this standard is to specify the calculation method and the boundary conditions for: - the sensible design cooling load of a thermal zone; - the conditions of the supply air to provide the necessary humidification and dehumidification of a thermal zone; - the design heating load of a thermal zone, using an hourly calculation interval; - the design heating load on sub system level, using an hourly calculation interval. The simplified calculation method for the design heat load is given in prEN 12831-1.

Keel: en

Alusdokumendid: prEN 16798-11

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16798-5-2

#### **Energy performance of buildings - Modules M5-6, M5-8 - Ventilation for buildings - Calculation methods for energy requirements of ventilation systems - Part 5-2: Distribution and generation (revision of EN 15241) - method 2**

This standard covers energy performance calculation of mechanical ventilation systems. It takes into account the generation (air handling unit) and distribution (duct system) parts. It does not cover the emission part (calculation of the required volume flow rates and/or supply air conditions), which is covered in prEN 16798 7 (revised EN 15242). A calculation method for air conditioning systems, using an hourly calculation time step, is provided in a separate standard prEN 16798-5-1.

Keel: en

Alusdokumendid: prEN 16798-5-2

Asendab dokumenti: EVS-EN 15241:2007

Asendab dokumenti: EVS-EN 15241:2007/AC:2011

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16849

#### **Bitumen and bituminous binders - Determination of water content in bituminous emulsions - Method using a drying balance**

This European Standard specifies a quick method for determining, by evaporation, the water content of bituminous road emulsions, with or without polymer added. For bituminous emulsions without flux oil, bituminous emulsions containing vegetal flux oil, and bituminous emulsions containing up to 1,5 % mass of mineral flux oil in the emulsion, this European Standard, according to the selected operating conditions, is considered as an alternative method to the reference method EN 1428 [1]. Above a mineral flux oil content of 1,5 % by mass, depending on the volatility of the flux oil: — the present method can be used up to a flux oil content above 1,5 % by mass if the user can prove its reliability in comparison to EN 1428. — the present method can only be used by correcting the result by means of a previously established correlation with the reference method EN 1428. NOTE Polymer modified emulsions can behave differently in the test than unmodified emulsions; in case of doubt, the method is checked against EN 1428. In case of dispute, the water content should be determined according to EN 1428. WARNING - The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en

Alusdokumendid: prEN 16849

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16854

#### **Thermal insulation products for building equipment and industrial installations - Determination of soot fire resistance of thermal insulation products for the use in chimneys**

This European Standard applies to thermal insulation products for use in chimneys. It describes the durability test against soot fire.

Keel: en

Alusdokumendid: prEN 16854

Arvamusküsitluse lõppkuupäev: 07.07.2015

## 93 RAJATISED

### prEN 12675

#### **Traffic signal controllers - Functional safety requirements**

This European Standard specifies the functional safety requirements for traffic signal controllers. It is applicable to traffic signal control equipment permanently and temporarily installed, but excludes portable traffic control equipment. Traffic signal controllers, as defined by this European Standard, are required to control conflicting traffic, both vehicular and pedestrian, e.g. junction signals, pedestrian crossings, shuttle signals, public transport signals, in a safe manner. The electrical safety requirements and additional traffic safety requirements, the interfacing with external equipment and the test methods for verifying compliance with this European Standard are contained in HD 638. NOTE National requirements may specify special conditions for public transport signals (PT) and for any other signal that is not specified in a European Standard.

Keel: en

Alusdokumendid: prEN 12675

Asendab dokumenti: EVS-EN 12675:2001

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 12697-13

#### **Bituminous mixtures - Test methods - Part 13: Temperature measurement**

This European Standard describes a test method for measuring the temperature of asphalt mixtures after mixing and during storage, transportation and laying. This European Standard includes the contact temperature-measuring device and the non-contact temperature-measuring device (infrared-thermometer). In cases of dispute, the reference method shall be using the contact temperature measuring device.

Keel: en

Alusdokumendid: prEN 12697-13

Asendab dokumenti: EVS-EN 12697-13:2001

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 13146-10

#### **Railway applications - Track - Test methods for fastening systems - Part 10: Proof load test for pull-out resistance**

This European Standard specifies a test procedure to confirm that the force necessary to pull the anchorage of a rail fastening assembly out of the sleeper or other supporting element is greater than a prescribed value (i.e. it is a 'proof load' test). This test is for components of the fastening system which are a) cast into concrete during the manufacture of sleepers or other supporting elements, b) glued into the cast or drilled holes in concrete, or c) screwed or otherwise attached to wood, plastic or steel sleepers or other supporting elements. This test is not applicable to embedded rails.

Keel: en

Alusdokumendid: prEN 13146-10

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 14504

#### **Inland navigation vessels - Floating landing stages and floating bridges on inland waters - Requirements, tests**

This European Standard specifies safety requirements for floating landing stages and floating systems for passenger transport and their equipment. Requirements relating to supplies to disposals of berthing vessels are not governed by this Standard. It is not applicable to: - floating landing stages for motor vehicle traffic; - floating landing stages for recreational craft and for vehicles of inland navigation vessels which are not berthing vessels; - more severe requirements for floating landing stages used for the transshipment of dangerous goods; - any landing stages required between vessel and floating landing stage; - specialised floating structures which are not used for passenger traffic or the berthing of vessels.

Keel: en

Alusdokumendid: prEN 14504

Asendab dokumenti: EVS-EN 14504:2009

Arvamusküsitluse lõppkuupäev: 07.07.2015

### prEN 16840

#### **Inland navigation vessels - Electrical shore connection, three-phase current 400 V, 50 Hz and at least 250 A**

This European Standard specifies requirements relating to devices for the supply of electrical power (three-phase AC - 400 V, with a frequency of 50 Hz and with a current of at least 250 A) to vessels in port. Annex A to this European Standard stipulates general and safety-technical requirements relating to the shore-based section of the electrical shore connection. Annex B to this European Standard stipulates general and safety-technical requirements relating to the connecting cables and to the on-board section of the electrical shore connection. The requirements according to the HD 60364 and HD 384 series of standards generally apply to shore-based low-voltage equipment. The requirements of Annex A of this European Standard complement the requirements contained in HD 60364/HD 384 Parts 1 to 6.

Keel: en

Alusdokumendid: prEN 16840

Arvamusküsitluse lõppkuupäev: 07.07.2015

## 97 OLME. MEELELAHUTUS. SPORT

### EVS-EN 50416:2005/FprAB

#### **Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Erinõuded kaubandusvõrgus müüdavatele elektrilise edastussüsteemiga nõudepesumasinatele Household and similar electrical appliances - Safety - Particular requirements for commercial electric conveyor dishwashing machines**

This European Standard deals with the safety of electrically operated conveyor dishwashing machines for washing plates, dishes, glassware, cutlery and similar articles (e.g. trays, food containers), with or without means for water heating or forced hot air drying, not intended for household use, their rated voltage being not more than 250 V for single-phase machines connected between one phase and neutral and 480 V for other machines. The spraying pressure shall not exceed 1 MPa.

Keel: en

Alusdokumendid: EN 50416:2005/FprAB:2013

Muudab dokumenti: EVS-EN 50416:2005

Arvamusküsitluse lõppkuupäev: 07.06.2015

### FprEN 50090-5-3:2015

#### **Home and Building Electronic Systems (HBES) - Part 5-3: Media and media dependent layers - Radio Frequency for HBES Class 1**

This European Standard defines the mandatory and optional requirements for the medium specific Physical and Data Link Layer of HBES Radio Frequency. Data Link Layer interfaces and general definitions that are medium independent are given in EN 50090 4 1. This European standard defines the requirements for HBES RF Ready and HBES RF Multi devices. HBES RF Ready is a single RF channel system. HBES RF Multi is an RF multichannel evolution of HBES RF Ready system with 2 additional RF channels for fast reaction time products and 2 RF channels for slow reaction time products. HBES RF Multi, specified below provides the following features: - more reliability in Frame transmissions in presence of interferers. - more efficiency when more HBES RF products are installed at the same location. - mixing of permanent and non-permanent receiving products. - mixing of fast and slow reaction time devices. - Listen Before Talk. Fast RF channels are mainly intended to be used with human controlled applications like for example lights, shutters... Slow RF channels are mainly intended to be used with non-permanent receivers for automatic applications like sensors (smoke, temperature, wind, etc.), heating control, etc. Compatibility issues with products in compliance with the former HBES RF specification (HBES RF 1.1) and the new versions are considered in Clause 7 at the end of this document.

Keel: en

Alusdokumendid: FprEN 50090-5-3:2015

Asendab dokumenti: EVS-EN 50090-5-3:2006

Arvamusküsitluse lõppkuupäev: 07.07.2015

### FprEN 60335-2-8:2015

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-8: Erinõuded pardlitele, juukselõikusmasinatele ja muudele taoliste seadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances**

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric shavers, hair clippers and similar appliances intended for household and similar purposes, their rated voltage being not more than 250 V. NOTE 101 Examples of similar appliances are those used for manicure and pedicure. 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 and on farms, are within the scope of this standard. NOTE 102 Examples of such appliances are animal clippers, animal shearers and appliances for hairdressers. 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; - children playing with the appliance.

Keel: en

Alusdokumendid: IEC 60335-2-8:2012; FprEN 60335-2-8:2015

Asendab dokumenti: EVS-EN 60335-2-8:2003

Asendab dokumenti: EVS-EN 60335-2-8:2003/A1:2005

Asendab dokumenti: EVS-EN 60335-2-8:2003/A2:2008

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

### **FprEN 60350-1:2015**

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

This part of IEC 60350 specifies methods for measuring the performance of electric cooking ranges, ovens, steam ovens, and grills for household use. The ovens covered by this standard may be with or without microwave function. Manufacturers should define the primary cooking function of the appliance – microwave function or thermal heat. The primary cooking function has to be measured with an existing method according to energy consumption. If the primary cooking function is declared in the instruction manual as a microwave function, IEC 60705 is applied for energy consumption measurement. If the primary cooking function is declared as a thermal heat, then IEC 60350-1 is applied for energy consumption measurement.

Keel: en

Alusdokumendid: FprEN 60350-1:2015; IEC 60350-1:201X

Asendab dokumenti: EVS-EN 60350-1:2013

Asendab dokumenti: EVS-EN 60350-1:2013/A11:2014

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60350-1:2015/FprAA:2015**

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

Amends by Common Mod FprEN 60350-1:2015

Keel: en

Alusdokumendid: FprEN 60350-1:2015/FprAA:2015

Muudab dokumenti: FprEN 60350-1:2015

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **FprEN 60669-2-5:201X/FprAA:201X**

#### **Lülitid majapidamis- ja muudele taolistele kohtkindlatele elektripaigaldistele. Osa 2-5: Erinõuded. Elamute ja muude ehitiste elektroonikasüsteemide lülitid ja nende juurde kuuluvad tarvikud**

#### **Switches for household and similar fixed electrical installations - Part 2-5: Particular requirements - Switches and related accessories for use in home and building electronic systems (HBES)**

This standard applies to HBES switches with a working voltage not exceeding 250 V a.c. and a rated current up to and including 16 A for household and similar fixed electrical installations either indoors or outdoors and to associated electronic extension units. It applies - to HBES switches for the operation of lamp circuits and the control of the brightness of lamps (dimmers) as well as the control of the speed of motors (e.g. those used in ventilating fans) and for other purposes (e.g. heating installations), - to sensors, actuators, switched-socket-outlets, associated electronic extension units, etc In the present standard the word "HBES switch" is applied to describe all kind of HBES devices e.g. switches, sensors, actuators, switched-socket-outlets, associated electronic extension units, etc.

Keel: en

Alusdokumendid: FprEN 60669-2-5:201X/FprAA:201X

Muudab dokumenti: FprEN 60669-2-5

**Arvamusküsitluse lõppkuupäev: 07.06.2015**

### **FprEN 71-5**

#### **Mänguasjade ohutus. Osa 5: Keemilised mänguasjad (komplektid), välja arvatud katsekomplektid**

#### **Safety of toys - Part 5: Chemical toys (sets) other than experimental sets**

This European Standard specifies requirements and test methods for the substances and materials used in chemical toys (sets) other than experimental sets. These substances and mixtures are: those classified as dangerous by the EC-legislation applying to dangerous substances and dangerous mixtures [5]; substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as dangerous by the above mentioned legislation; and any other chemical substance(s) and mixture(s) delivered with the chemical toy. NOTE The terms "substance" and "mixture" are defined in the REACH regulation No. (EC)1907/2006 and in the CLP regulation (EC) No. 1272/2008. Additionally, requirements are specified for markings, warnings, safety rules, contents list, instructions for use and first aid information. This Part of EN 71 applies to: plaster of Paris (gypsum) moulding sets; ceramic and vitreous enamelling materials supplied in miniature workshop sets; oven-

hardening plasticised PVC modelling clay sets; plastic moulding sets; embedding sets; adhesives, paints, lacquers, varnishes, thinners and cleaning agents (solvents), supplied or recommended in model sets.

Keel: en

Alusdokumendid: FprEN 71-5

Asendab dokumenti: EVS-EN 71-5:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 1272**

#### **Child care articles - Table mounted chairs - Safety requirements and test methods**

This European Standard specifies safety requirements and the corresponding test methods for table mounted chairs, intended for children who are able to sit by themselves (approximately 6 months old) and up to 15 kg. This European Standard deals only with safety and does not purpose to establish particular designs or special construction methods for the table mounted chairs themselves.

Keel: en

Alusdokumendid: prEN 1272

Asendab dokumenti: EVS-EN 1272:2000

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 12868**

#### **Child use and care articles - Methods for determining the release of N-Nitrosamines and N-Nitrosatable substances from elastomer or rubber teats and soothers**

Tests have shown quite different results for Nitrosatables and that the tests are not reliable. The objective of the work will be to find a better way to determine Nitrosatables

Keel: en

Alusdokumendid: prEN 12868 rev

Asendab dokumenti: EVS-EN 12868:2000

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 16853**

#### **Conservation of cultural heritage - Conservation process - Decision making, planning and implementation**

This European Standard describes decision-making, planning and implementation of conservation of tangible cultural heritage. It applies to material expressions of tangible cultural heritage such as individual objects, collections, the built environment, historic sites and cultural landscapes. NOTE This European Standard does not cover how to define cultural heritage nor who or what skills are required to undertake decisions or other parts of the process.

Keel: en

Alusdokumendid: prEN 16853

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 16855**

#### **Walk-in cold rooms - Definition, thermal insulation performance and test methods - Part 1: Prefabricated cold room kits**

This European Standard applies to prefabricated walk-in cold room kits and components. It provides test or calculation methods to assess thermal insulation performances. Performance characteristics of Walk-in cold rooms are assessed in terms of thermal insulating properties, in order to give a basis on which assessing Energy Consumption related properties of Walk-in cold rooms, and of their components. Performance Characteristics will be assessed for every single component of the Walk-in cold room, and for the assembled Walk-in cold room as a whole. This European Standard provides also a guide for installation.

Keel: en

Alusdokumendid: prEN 16855

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

### **prEN 71-12**

#### **Safety of toys - Part 12: N-Nitrosamines and N-nitrosatable substances**

This European Standard specifies the requirements and test methods for N nitrosamines and N nitrosatable substances for: toys and parts of toys made from elastomers and intended for use by children under 36 months; toys and parts of toys made from elastomers and intended to be placed in the mouth; finger paints for children under 36 months. EXAMPLES Examples of toys made from elastomers are balloons and teethers.

Keel: en

Alusdokumendid: prEN 71-12

Asendab dokumenti: EVS-EN 71-12:2013

**Arvamusküsitluse lõppkuupäev: 07.07.2015**

# TÖLKED KOMMENTEERIMISEL

Selles jaotises avaldame teavet eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlgetega tutvumiseks võtta ühendust EVS-i standardiosakonnaga: standardiosakond@evs.ee, ostmiseks klienditeenindusega: standard@evs.ee.

Igakuiselt uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Standardikeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## CLC/TR 50579:2012

### Elektrimõõteseadmed vahelduvvoolule. Häiringutugevuse tasemed, häiringutaluvuse nõuded ja katsemeetodid juhtivuslikele häiringutele sagedusvahemikus 2 kHz - 150 kHz

Käesolev Euroopa tehniline aruanne kehtib klassitähisega A, B ja C uutele toodetud aktiivenergia hulga mõõtmise staatilistele watt-tund arvestitele, mis on ette nähtud kasutamiseks olme-, äri ja väiketööstuse 50 Hz vahelduvvoolu elektrivõrgus. Standard määratleb erinõuded ja häiringutaluvuse katsed otse- ja trafoühendusega arvestitele täienduseks standarditele EN 50470-1 ja EN 50470-3. Katsetuste eesmärk on saavutada taluvus häiringuvooludele tugevusega kuni 2 A (2 kHz - 30 kHz) ning tugevusega kuni 1 A (30 kHz - 150 kHz) otseühendusega arvestitele ja 2% I<sub>max</sub> (2 kHz - 30 kHz) ning 1% I<sub>max</sub> (30 kHz - 150 kHz) trafoühendusega arvestitele. Standard laieneb nii sise- kui välispaigalduse staatilistele energiaarvestitele, mis sisaldavad korpusega ümbritsetud mõõteelementi ja registr(eid)it. Kui arvesti omab mõõteelemente rohkem kui ühele energiatüübile (multi-energiaarvestid) või kui ta sisaldab teisi funktsionaalseid elemente, nagu maksimaalkoormuse indikaatoreid, elektroonseid tariifregistreid, lülituskellasid, kaugjuhtimisvastuvõtjaid, andmeedastuse sobituselemente jne, mis kõik on samas arvestikorpuses (multifunktsionaalsed arvestid), siis rakendub antud tehniline aruanne ainult aktiivenergia arvestuse osale. See tehniline aruanne eristab: - arvesteid klassitähisega A, B ja C; - otse- ja trafoühendusega arvesteid. Ta ei ole rakendatav: - watt-tund arvestitele, milliste ühendusklemmide vaheline pingeline ületab 600 V (mitmefaasiliste süsteemide faaside vaheline pingeline); - portatiivsetele arvestitele; - etalonarvestitele.

Keel: et

Alusdokumendid: CLC/TR 50579:2012

Kommenteerimise lõppkuupäev: 07.06.2015

## EN 13162:2012+A1

### Ehituslikud soojusisolatsioonitooted. Tööstuslikult valmistatud mineraalvillatooted (MW). Spetsifikatsioon

See standard esitab nõuded hoonete soojustamiseks kasutatavatele tööstuslikult valmistatud kattekihiga või ilma kattekihita, pealiskihiga või ilma pealiskihita mineraalvillast toodetele. Tooted valmistatakse mattide, tahvlite või plaatidena. Selles standardis käsitletavaid tooteid kasutatakse ka monteeritavates soojustussüsteemides ja liitpaneelides; kuid neid tooteid sisaldavate süsteemide toimivust selles standardis ei käsitleta. See standard kirjeldab toodete omadusi ja esitab katsetamise, vastavushindamise, märgistamise ja tähistamise menetlused. See standard ei spetsifitseeri antud omaduse nõutavat taset, mille saavutamine näitaks toote sobivust konkreetseks kasutusotstarbeks. Konkreetse kasutusotstarbe puhul nõutavad tasemed on toodud õigusaktides või sobivates standardites. Tooted, mille deklareeritud soojustakistus on alla 0,25 m<sup>2</sup>K/W või mille deklareeritud soojuseri juhtivus temperatuuril 10 °C on suurem kui 0,060 W/(mK), ei kuulu selle standardi käsitusallasse. Selle standardi käsitusallasse ei kuulu ka kasutuskohas valmistatavad soojustustooted (kaetud standardi EN 14064 osades 1 ja 2) ega tooted, mis on ette nähtud seadmete ja tööstuspaigaldiste soojustamiseks (kaetud standardiga EN 14303).

Keel: et

Alusdokumendid: EN 13162:2012+A1:2015

Kommenteerimise lõppkuupäev: 07.06.2015

## EVS-EN 12101-10:2005

### Suitsu ja kuumuse kontrollisüsteemid. Osa 10: Energiaallikad

Selles Euroopa standardis määratletakse nõuded ning esitatakse katsemeetodid primaarsetele ja sekundaarsetele elektrilistele ja pneumaatilistele toiteseadmetele, mis on mõeldud kasutamiseks hoonete suitsu ja kuumuse kontrollisüsteemides. Lisaks kirjeldatakse seda, kuidas hinnata selliste seadmete vastavust käesoleva Euroopa standardi nõuetele. MÄRKUS Funktsioonide kokkuvõte on toodud lisa A.

Keel: et

Alusdokumendid: EN 12101-10:2005

Kommenteerimise lõppkuupäev: 07.06.2015

## EVS-EN 12101-7:2011

### Suitsu ja kuumuse kontrollisüsteemid. Osa 7: Suitsukanalieleemendid

Selles Euroopa standardis käsitletakse suitsukanalielemente, mis on turule toodud ja mõeldud kasutamiseks osana rõhuvahesüsteemist või suitsu ja kuumuse eemaldamise süsteemist. Selles standardis täpsustatakse nõuded ja viidatakse katsemeetoditele, mis on kehtestatud suitsukanalielementidele ja nendega seotud komponentidele (näiteks riputid ja muud katsetamise alla kuuluvad osad), mis on mõeldud paigaldamiseks sellistesse hoonesisestesse süsteemidesse. Lisaks kirjeldatakse seda, kuidas hinnata toodete vastavust käesoleva standardi nõuetele. Peale selle esitatakse selles Euroopa standardis teavet kõnealuste toodete märgistamise ning paigalduse ja hoolduse kohta. Korduste vältimiseks viidatakse mitmesugustele muudele standarditele. Seetõttu tuleb käesolevat standardit lugeda koos standarditega EN 1366-8, EN 1366-9 ja EN 1366-1, milles on esitatud üksikasjad tulepüsvivuskatsete kohta, ning standardiga EN 13501-4, milles käsitletakse vastavat

klassifikatsiooni. Selles standardis ei käsitleta üksikasjalikult kahjulikke ja/või söövitavaid mõjusid, mida võivad põhjustada õhus leiduvad protsessikemikaalid, mis tõmmatakse tahtlikult või tahtmatult läbi süsteemi. See Euroopa standard hõlmab ka seotud komponente, mida kasutatakse koos suitsukanalielementidega, nagu näiteks pöördlabad ja summutid, v.a loomuliku tõmbega ja sundventilatsiooniseadmed suitsu eemaldamiseks ning suitsutõkkeklapid, mida käsitletakse eraldi standardites. See standard ei hõlma kanaleid, mida kasutatakse mujal kui suitsu ja kuumuse eemaldamise/kontrollisüsteemides.

Keel: et

Alusdokumendid: EN 12101-7:2011

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 12259-2:2003/A2:2006**

#### **Paiksed tulekustutussüsteemid. Sprinkler- ja veepihustussüsteemide komponendid. Osa 2: Märgalarmklapid**

Standard sätestab nõuded automaatsetes sprinklersüsteemides kasutatavate märgalarmklappide ja aeglustusklambrite konstruktsioonidele ja talitusele. Standard ei käsitle märgalarmklappide ja aeglustusklambrite lisaseadmeid.

Keel: et

Alusdokumendid: EN 12259-2:1999/A2:2005

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 12259-3:2003/A2:2006**

#### **Paiksed tulekustutussüsteemid. Sprinkler- ja veepihustussüsteemide komponendid. Osa 3: Kuivalarmklapid**

Standard sätestab nõuded automaatsetes sprinklersüsteemides kasutatavate kuivalarmklappide, kiirendajate ja õhueleemaldajate konstruktsioonidele ja talitusele vastavuses standardi kavandi prEN 12845 Automatic sprinkler systems: Design and Installation lisadele A ja B.

Keel: et

Alusdokumendid: EN 12259-3:2000/A2:2005

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 1341:2012**

#### **Looduskivist sillutusplaadid välissillutiseks. Nõuded ja katsemeetodid**

See Euroopa standard spetsifitseerib toimivusnõuded ja vastavad katsemeetodid kõigile välissillustistes ja teekatetes kasutatavatele looduskivist sillutusplaatidele. Kasutamine välissillustistes hõlmab kõiki teedeehitusele tüüpilisi sillutisi, nagu jalakäigu- ja liiklusalad, väljakud ja muud sarnased objektid välitingimustes, millele mõjuvad ilmastikutegurid, nagu temperatuurimuutused, vihm, jää, tuul jne. Seda Euroopa standardit on võimalik kasutada ka vastavuse hindamisel ja looduskivist sillutusplaatide märgistamisel. See Euroopa standard hõlmab ka kaubanduse seisukohalt olulisi karakteristikuid. See Euroopa standard ei hõlma hoonete põrandate ja treppide valmistamiseks ette nähtud looduskivist sillutusplaate. Nimetatud juhtudel kohaldatakse standardit EN 12058 [1].

Keel: et

Alusdokumendid: EN 1341:2012

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 13501-5:2006+A1:2009**

#### **Ehitustoodete ja -elementide tuleohutusala klassifikatsioon. Osa 5: Katusekatete klassifikatsioon tuletundlikkuse katsete alusel KONSOLIDEERITUD TEKST**

Käesolev Euroopa standard käsitleb katuste/katusekatete tuletundlikkuse klassifikatsiooni, tuginedes standardis ENV 1187:2002 toodud neljale katsemeetodile ning asjakohastele laiendatud kasutusulatuse reeglitele. Katuste/katusekatete klassifitseerimisel tuleb kasutada ainult neid katsemeetodeid ning neid kasutusulatuse reegleid, mida vastavas klassifikatsioonis vaadeldakse. Tooteid käsitletakse nende lõpprakenduse alusel. MÄRKUS Vahetegemine järsu kallakuga katuste ja fassaadide vahel rakendatava katse- ja klassifikatsiooni standardi kontekstis, võib olla reguleeritud rahvuslike eeskirjadega. Üldteave standardis ENV 1187:2002 toodud nelja katsemeetodi kohta on esitatud lisas A.

Keel: et

Alusdokumendid: EN 13501-5:2005+A1:2009

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 13848-1:2004+A1:2008**

#### **Raudteealased rakendused. Rööbastee. Rööbastee geomeetria kvaliteet. Osa 1: Rööbastee geomeetria iseloomustus KONSOLIDEERITUD TEKST**

Käesolev Euroopa Standard käsitleb rööbastee kvaliteedi nõudeid, mida mõõdetakse erinevate tehniliste mõõtemasinatega. Mainitud mõõteseadmed on käsitletud standardi 2 osas. Käesoleva standardi kohaldumiskirjeldusse kuuluvad kõik rööbastee geomeetrilised parameetrid, sealhulgas rööpmelaius, pikinivoo tasemed, risttasand ja vääne. Defineeritakse mõõtmistes kasutatavad parameetrid ja nõuded, analüüside läbiviimise meetodid ja andmete esitamise vormid. Standardi osad 3 ja 4 kirjeldavad rööbastee ehituses, hoolduses ning manuaalsetes seadmetes kasutatavaid mõõteseadmeid (Seadmed, mis on seotud osas 1 käsitletud rööbastee geomeetriliste parameetritega).

Keel: et

Alusdokumendid: EN 13848-1:2003+A1:2008

Kommenteerimise lõppkuupäev: 07.06.2015

### **EVS-EN 14471:2013+A1:2015**

#### **Korstnad. Plastlõõridega moodulkorstnad. Nõuded ja katsemeetodid**

Selles Euroopa standardis määratakse kindlaks talitlusnõuded ja katsemeetodid plastlõõridega moodulkorstnatele, mida kasutatakse põlemissaaduste viimiseks kütteseadmetest välisõhku kuivades ja märgades tingimustes. Samuti määratakse siin kindlaks turundusele, tootja juhendile ja vastavushindamisele kehtivad nõuded. See Euroopa standard kirjeldab korstnaosasid, millest saab koostada moodulkorstnaid. See Euroopa standard ei kehti korstnatele, mille tahmapõlengukindluse klass on G. See Euroopa standard ei kehti järgmise klassifikatsiooniga korstnatele: korrosioonikindluse klass 2 naturaalse puidu puhul ; korrosioonikindluse klass 3; rõhuklass N2. See Euroopa standard kehtib korstnatele, milles ei saa koguneda kondensaati, st on vähemalt 3° horisontaalkaldega. See Euroopa standard ei kehti — plastkattega lõõridega moodulkorstnatele; — konstruktsioonilt sõltumatutele (vabalt seisvatele või isekandvatele) korstnatele. Korstnad, mille osad vajavad materjali lõplike omaduste väljatoomiseks enne paigaldamist lisatöötlust, ei ole moodulkorstnad ja seega neile see standard ei kehti. See Euroopa standard ei hõlma horisontaalsete suudmete (paigaldustüüp C1 nagu määratletud CEN/TR 1749 järgi) aerodünaamilise käitumise, vihmavee sissepääsu ja jäätumiskäitumise nõudeid.

Keel: et

Alusdokumendid: EN 14471:2013+A1:2015

Kommenteerimise lõppkuupäev: 07.06.2015

### **EVS-EN 14996:2006**

#### **Vee kvaliteet. Juhend veekogude seisundi bioloogiliste ja ökoloogiliste hinnangute tagamiseks**

See standard määratleb vajalikud tegevused, tagamaks pinnaveekogude (vooluveed, järved, üleminekuveed, rannikuveed, avameri) ja põhjasetete ökoloogiliste hinnangute vastavust kindlatele nõuetele. Ta hõlmab ka ökoloogiliste analüüsidesega seotud hüdro-morfoloogilisi hinnanguid. Samuti rakendub ta muudele elupaikadele ja uurimissuundadele, kui need on veekogude ökoloogilise seisundiga oluliselt seotud.

Keel: et

Alusdokumendid: EN 14996:2006

Kommenteerimise lõppkuupäev: 07.06.2015

### **EVS-EN 15254-4:2008+A1:2011**

#### **Tulepüsivuskatsete tulemuste kasutusulatuse laiendamine. Mittekandvad seinad. Osa 4: Klaasitud konstruktsioonid KONSOLIDEERITUD TEKST**

Käesolev Euroopa standard annab juhiseid ja vajadusel määratleb protseduurid klaasitud tuletõkkeelementidele, mida on katsetatud vastavalt standardile EN 1364-1 ning klassifitseeritud vastavalt standardile EN 13501-2, teatud mõõtmete ja kontseptsiooni muutmiseks. Klaasitud tuletõkkeelementide laiendatud kasutusulatus peab tuginema katseandmetel. Käesolev standard on rakendatav ainult vertikaalselt paigaldatud klaasitud tuletõkkeelementidele. Käesolev standard ei ole rakendatav standardi EN 1634-1 kohaselt katsetatud uksekomplektidele ja avatavatele akendele. Käesolevast standardist on välja arvatud standardites EN 1051-1 ja EN 572-7 määratletud klaasploki komplektid ja klaasist sillutiskivid ning laineklaas. Nimelt pole hetkel piisavalt informatsiooni kohaldamiseks nende toodetele laiendatud kasutusulatuse eeskirju. MÄRKUS Mõningates vaheseintes kasutatakse tuletõkkeklaasi, poolläbipaistmatute ja teiste läbipaistmatute toodete kombinatsioone. Sellisel juhul katab laiendatud kasutusulatus vaid klaasi, mis asendab neid tooteid – vaata jaotist 8.2.

Keel: et

Alusdokumendid: EN 15254-4:2008+A1:2011

Kommenteerimise lõppkuupäev: 07.06.2015

### **EVS-EN 16493:2014**

#### **Vee kvaliteet. Bioloogilise mitmekesisuse andmete dokumenteerimise, taksonoomiliste nimestike ja määrajate nomenklatuursed nõuded**

Antud Euroopa standard kirjeldab botaanilise ning zooloogilise nomenklatuuri koodeksi olulisemaid reegleid, mis on vajalikud veekeskkonna bioloogilise mitmekesisuse üheselt mõistetavaks dokumenteerimiseks. Ühtlasi on esitatud juhised taksonoomiliste muudatuste käsitlemiseks seoses dokumenteeritud taksonoomiliste nimedega. MÄRKUS Koodeksi konkreetne väljaanne mõjutab ainult neid taksonoomilisi muudatusi, mis viidi sisse selle väljaande kehtivusperioodil.

Keel: et

Alusdokumendid: EN 16493:2014

Kommenteerimise lõppkuupäev: 07.06.2015

### **EVS-EN 1991-1-7:2006/A1:2014**

#### **Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-7: Üldkoormused. Erakorralised koormused**

muudatus standardile EN 1991-1-7:2006

Keel: et

Alusdokumendid: EN 1991-1-7:2006/A1:2014

Kommenteerimise lõppkuupäev: 07.06.2015

### **EVS-EN 1992-1-1:2005/A1**

#### **Eurokoodeks 2: Betoonkonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonetele**

EVS-EN 1992-1-1:2005 muudatus A1

Keel: et

Alusdokumendid: EN 1992-1-1:2004/A1:2014

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 1993-1-1:2005/A1:2014**

#### **Eurokoodeks 3. Teraskonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonete projekteerimiseks**

Muudatus standardile EN 1993-1-1:2005

Keel: et

Alusdokumendid: EN 1993-1-1:2005/A1:2014

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 54-4:1999/A1:2003**

#### **Automaatne tulekahjusignalisatsioonisüsteem. Osa 4: Toiteplokid**

Käesolev standard käsitleb hoonetesse paigaldatava automaatse tulekahjusignalisatsiooni toiteplokkidele esitatavaid nõudeid, katsemeetodeid ja toimivuskriteeriume. See hõlmab EN 54-1:1996 joonisel 1 toodud seadet L ja toiteplokkide, mis varustavad elemente vooluga otse ja keskseadmete kaudu, v.a, kui standardi EN 54 teistes osades on teisiti sätestatud.

Keel: et

Alusdokumendid: EN 54-4:1997/A1:2002

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 54-4:1999/A2:2006**

#### **Automaatne tulekahjusignalisatsioonisüsteem. Osa 4: Toiteplokid**

Käesolev standard käsitleb hoonetesse paigaldatava automaatse tulekahjusignalisatsiooni toiteplokkidele esitatavaid nõudeid, katsemeetodeid ja toimivuskriteeriume. See hõlmab EN 54-1:1996 joonisel 1 toodud seadet L ja toiteplokkide, mis varustavad elemente vooluga otse ja keskseadmete kaudu, v.a, kui standardi EN 54 teistes osades on teisiti sätestatud.

Keel: et

Alusdokumendid: EN 54-4:1997/A2:2006

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 60601-2-54:2009**

#### **Elektrilised meditsiiniseadmed. Osa 2-54: Erinõuded radiograafias ja fluoroskoopias kasutatavate röntgenseadmete esmasele ohutusele ja olulistele toimimisnäitajatele**

Asendus: Käesolev rahvusvaheline standard on kohaldatav projektsioon-radiograafias ja fluoroskoopias kasutamiseks ette nähtud EM-seadmete ja EM-süsteemide esmasele ohutusele ja olulistele toimimisnäitajatele. IEC 60601-2-43 on kohaldatav menetlusradioloogias kasutamiseks ette nähtud EM-seadmetele ja EM-süsteemidele ning selles standardis viidatakse käesoleva eristandardi asjakohastele nõuetele. Käesoleva rahvusvahelise standardi käsitlusala on välja jäetud luu ja koe absorptsioon-densitomeetrias, kompuutertomograafias, mammograafias ja dentaalradioloogias kasutamiseks ette nähtud EM-seadmed ja EM-süsteemid. Käesoleva rahvusvahelise standardi käsitlusala ei hõlma ka kiiritusravi simulaatoreid. Kui jaotis või alajaotis on eristavalt kohaldatav vaid EM-seadmetele, või ainult EM-süsteemidele, on seda väljendatud jaotise või alajaotise pealkirjas või sisus. Kui seda pole tehtud, on jaotis või alajaotis asjakohaselt kohaldatav nii EM-seadmetele kui ka EM-süsteemidele. MÄRKUS Võttes arvesse majanduslikke ja sotsiaalseid tegureid on käesoleva eristandardi käsitlusalas ka otsefluoroskoopias kasutamiseks ette nähtud EM-seadmed. Mõnedes riikides on otsefluoroskoopial põhinevad uuringud keelatud.

Keel: et

Alusdokumendid: IEC 60601-2-54:2009; EN 60601-2-54:2009

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN 636:2012+prA1**

#### **Vineer. Spetsifikaadid**

See Euroopa standard määrab kindlaks nõuded standardis EN 313-2 määratletud vineerile üldotstarbeliseks kasutuseks (mitteehituslikuks rakenduseks) ja ehituslikuks rakenduseks kuivades, niisketes või välitingimustes. Standard annab ka paindeomadustel baseeruva liigituse süsteemi. MÄRKUS 1 Sellele standardile on viidatud ehituslike rakenduste standardis EN 13986. See standard sobib kasutamiseks igasugusele vineerile, kaasa arvatud pealistatud ja kaetud vineerile, kuid ta ei hõlma pealistamisel ja katmisel kasutatavaid materjale või protsesse. Samuti ei hõlma ta materjale või protsesse, mida kasutatakse bioloogilise vastupidavuse tõstmiseks. MÄRKUS 2 Täiendavat informatsiooni bioloogilisest vastupidavusest ja kaitseimmutuse võimaliku vajaduse kohta vastavalt rakendusele ja kasutuskõlblikkusele võib leida standardis CEN/TS 1099. Peaüks 4 loetletud väärtused on seotud ainult toote omadustega; nad ei ole normväärtused ja ei ole kasutatavad projektarvutustes. MÄRKUS 3 Normväärtused (st kasutamiseks projektarvutustes vastavalt standardile EN 1995-1-1) on antud kas standardis EN 12369-2, mis

baseerub selles standardis antud liigituse süsteemil, või antud tootja poolt katsetuste põhjal vastavalt standarditele EN 789, EN 1058 ja ENV 1156. Antud on ka täiendav informatsioon lisaomaduste kohta teatavateks rakendusteks.

Keel: et

Alusdokumendid: EN 636:2012+A1:2015

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN ISO 15611:2004**

#### **Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Varasemal keevituskogemusel põhinev kvalifitseerimine**

Käesolev Euroopa Standard sisaldab vajalikku informatsiooni selgitamiseks standardis EN ISO 15607 toodud nõudeid keevitusprotseduuride kvalifitseerimiseks eelneva keevituskogemuse põhjal. Lisaks on käesolevas standardis toodud atesteerimispiirid ja kehtivus. Käesoleva Euroopa Standardi kasutamist võib piirata rakendusstandard või spetsifikatsioon.

Keel: et

Alusdokumendid: ISO 15611:2003; EN ISO 15611:2003

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **EVS-EN ISO 9445-2:2010**

#### **Pidevkülmvaltsitud roostevaba teras. Mõõtmete ja kuju tolerantsid. Osa 2: lai riba ja plekk**

Standardi ISO 9445 käesolev osa spetsifitseerib mõõtmete ja kuju tolerantsid pidevkülmvaltsitud roostevabast terasest laiale lindile ja plekile (lehtterasele) paksusega 0,30 mm kuni 8,0 mm ja valtsimislaiaustele 600 mm kuni 2100 mm. Standard rakendub ka pikilõigatud laiale lindile, laiusel alla 600 mm, mis on valmistatud laiast lindist pikilõikamise teel ja sellest valmistatud mõõdulõigatud materjalile.

Keel: et

Alusdokumendid: ISO 9445-2:2009; EN ISO 9445-2:2010

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **FprEN 12697-2**

#### **Asfaltsegud. Katsemeetodid. Osa 2: Terastikulise koostise määramine.**

Käesolev Euroopa standard määratleb asfaltsegude täitematerjalide terastikulise koostise määramise protseduuri sõelumise teel. See katsemeetod on rakendatav täitematerjalidele, mis on eraldatud sideaine ekstraheerimise käigus EN 12697-1 või EN 12697-39 kohaselt. Selle Euroopa standardi rakendatavus on kirjeldatud asfaltsegude tootestandardites MÄRKUS Katsetulemust mõjutavad kiudmaterjalid, (ekstraheerimise käigus mittelahustuvad) tahked lisandid ja (mõned) sideaine modifikaatorid.

Keel: et

Alusdokumendid: FprEN 12697-2

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **HD 60364-8-1**

#### **Madalpingelised elektripaigaldised. Osa 8-1: Energiatõhusus**

IEC 60364 see osa näeb ette lisanõuded, -meetmed ja -soovitused igat liiki madalpingeliste elektripaigaldiste, sealhulgas kohalike energiatootmis- ja -salvestussüsteemide projekteerimisel, ehitamisel ja kontrollil elektrienergia kasutamise üldtõhususe optimeerimiseks. See tutvustab nõudeid ja soovitusi elektripaigaldise projekteerimiseks energiatarbimise vähendamise saavutamise raamistikus, et saada parim püsivalt toimiv ekvivalentne talitus madalaima elektrienergia tarbimisega ning kõrgeima vastuvõetava energiasaadavuse ja majandusliku tasakaaluga. Need nõuded ja soovitused rakenduvad standardisarja IEC 60364 käsitusala raamides uute paigaldiste kohta ja olemasolevate paigaldiste uuendamisel. See standard on rakendatav ehitise või süsteemi elektripaigaldises ega rakendu toodete kohta. Selliste toodete energiatarbimine ja talitlusnõuded on esitatud vastavates tootestandardites. See standard ei ole spetsiaalselt ette nähtud ehitiste automaatikasüsteemide kohta.

Keel: et

Alusdokumendid: IEC 60364-8-1:2014; HD 60364-8-1:2015

**Kommenteerimise lõppkuupäev: 07.06.2015**

### **ISO/TS 12911:2012 et**

#### **Raamistik ehitusinformatsiooni modelleerimisele (BIM) juhendmaterjal**

Antud tehniline spetsifikatsioon moodustab raamistiku, mis määrab nõuded ehitusinformatsiooni modelleerimisele (BIM). Tehniline spetsifikatsioon on kohaldatav mis tahes hoonete ja hoonetega seotud rajatiste modelleerimiseks, alustades varadest, mis asuvad ühel või mitmel kinnistul, kuni varadeni, mis asuvad ühes väikeses hoones ja on kindla süsteemi, süsteemiosa, komponendi või elemendi koostisosana. Tehnoloogia on kohaldatav kõikidele varatüüpidele, koosnedes enamikest infrastruktuuri ja avalikest töödest, seadmetest ja materjalidest. BIM protsessid on kohaldatavad kogu vara, rajatise või komponendi elutsükli jooksul, mis võib ulatuda tekkest kuni kasutusaja lõpuni. Peamine antud raamistiku kasutaja on informatsiooni juht, kes loob rahvusvahelise-, rahvusliku projekti- või rajatise tasemel BIM juhendmaterjali. Antud raamistikku võib kasutada ka rakenduste tootjate BIM juhendina.

Keel: et

Alusdokumendid: ISO/TS 12911:2012

**Kommenteerimise lõppkuupäev: 07.06.2015**

## prEN 10027-2

### Teraste tähistussüsteem. Osa 2: Tunnusnumbrid

1.1 See Euroopa standard spetsifitseerib numbrisüsteemi, mis on tuntud kui terase tunnusnumbrid ja mida kasutatakse terase markide tähistamiseks. Standard käsitleb tunnusnumbrite struktuuri ja nende registreerimise, omistamise ja teadustamise korraldust. Need tunnusnumbrid täiendavad standardis EN 10027-1 esitatud margitähiseid. See Euroopa standard rakendub terastele, mis on Euroopa standardites spetsifitseeritud. Seda Euroopa standardit võib rakendada ka rahvuslikele ja firmasisele terastele. MÄRKUS Kuigi antud süsteemi käsitusala piirdub terasega, on see struktureeritud selliselt, et seda on võimalik laiendada ka teistele tööstuslikult toodetavatele materjalidele. 1.2 Selle süsteemi kohaselt kehtestatud tunnusnumbritel on kindlaksmääratud arv numbrimärke (vt jaotist 5). Need sobivad andmetöötluseks paremini kui teraste standardi EN 10027-1 kohaselt omistatud margitähised. 1.3 Euroopa standardites spetsifitseeritud teraste puhul on tunnusnumbrite (vt jaotisi A.6 kuni A.9) omistamise taotluste läbivaatamise eest vastutav ECISSi Tehniline Komitee. Rahvuslike terasemarkide puhul lasub see kohustus rahvuslikul kompetensel asutusel. MÄRKUS Terase ja terastoodete standardiseerimisest eriliselt huvitatud Euroopa organisatsioonide (nt ASD, EUROFER) taotlused on kaasatud ECISSi Keskk sekretariaadi kaudu (vt A.9).

Keel: et

Alusdokumendid: prEN 10027-2 rev

Kommenteerimise lõppkuupäev: 07.06.2015

## prEVS-EN 12050-1

### Reoveeväikepumpjad. Osa 1: Fekaale sisaldava olmereovee pumplad

See Euroopa standard kehtib fekaale sisaldava olmereovee pumplate (selle standardi kohaselt „fekaaliveepumplate“ kohta, mille abil juhitakse ära reovett allpool kanalisatsiooni uputustaset olevatest hoonetest ja kruntidelt, et vältida reovee tagasivoolu hoonesse. Need pumplad võivad olla valmiseadmed või tarnitavad kohapeal kokkumonteeritavate valmisosakomplektidena. See standard määratleb üldnõuded, põhilised ehitamise ja katsetamise põhimõtted koos teabega materjalide ning toimivuspüsivuse hindamise ja kontrollimise protseduuri kohta. Reoveepumpjates kasutatavate tagasilöögiklappide ehituslikud ja katsetamis põhimõtted on antud standardis EN 12050-4. See Euroopa standard ei kehti drenaaživee- ega väliskanalisatsioonivõrkude olmereoveepumplate kohta, mida käsitletakse standardi EN 752:2008 lisa F. MÄRKUS Fekaale sisaldava olmereovee pumplaid võib kasutada ka fekaalivaba olmereovee ja sademevee pumpamiseks. See Euroopa standard kehtib peale valmispumplate ka selliste fekaale sisaldava olmereovee pumplate kohta, mis ei ole valmistooteid, vaid pannakse ehitusplatsil kokku eri tarnijailt saadud osadest.

Keel: et

Alusdokumendid: EN 12050-1:2015

Kommenteerimise lõppkuupäev: 07.06.2015

## prEVS-ISO 55000

### Varahaldus. Ülevaade, põhimõtted, terminoloogia

Käesolevas rahvusvahelises standardis esitatakse ülevaade varahaldusest, selle põhimõtetest, terminoloogiast ja varahalduse kasutuselevõtmisega eeldatavasti kaasnevatest eelistest. Käesolevat rahvusvahelist standardit saavad kohaldada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes. MÄRKUS 1 Käesolevas rahvusvahelises standardis on silmas peetud eelkõige materiaalse vara haldamist, kuid seda saab kohaldada ka muude varaliikide suhtes. MÄRKUS 2 Käesolevas rahvusvahelises standardis ei esitata rahanduslikke, raamatupidamislikke ega tehnilisi juhiseid konkreetsete varaliikide haldamiseks. MÄRKUS 3 Standardites ISO 55001, ISO 55002 ja käesolevas rahvusvahelises standardis tähendab termin „varahaldussüsteem“ vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: et

Alusdokumendid: ISO 55000:2014

Kommenteerimise lõppkuupäev: 07.06.2015

## prEVS-ISO 55001

### Varahaldus. Juhtimissüsteemid. Nõuded

Käesolevas rahvusvahelises standardis kirjeldatakse nõudeid organisatsioonis kasutatavale varahaldussüsteemile. Käesolevat rahvusvahelist standardit saavad kohaldada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes. MÄRKUS 1 Käesolevas rahvusvahelises standardis on silmas peetud eelkõige ainulise vara haldamist, kuid seda saab kohaldada ka muude varaliikide suhtes. MÄRKUS 2 Käesolevas rahvusvahelises standardis ei esitata rahanduslikke, raamatupidamislikke ega tehnilisi nõudeid konkreetsete varaliikide haldamiseks. MÄRKUS 3 Standardite ISO 55000, ISO 55002 ja käesoleva rahvusvahelise standardi kontekstis tähendab termin „varahaldussüsteem“ vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: et

Alusdokumendid: ISO 55001:2014

Kommenteerimise lõppkuupäev: 07.06.2015

## prEVS-ISO/IEC 17788

### Infotehnoloogia. Pilvtöötlus. Ülevaade ja sõnavara

ISO/IEC 17788:2014 esitab pilvtöötuse ülevaade koos terminite ja määratluste koguga. Ta on pilvtöötuse standardite terminoloogia alus. ISO/IEC 17788:2014 on kohaldatav igat tüüpi organisatsioonidele (näiteks äriettevõtetele, riigiasutustele, mittetulundusühingutele).

Keel: et

Alusdokumendid: ISO/IEC 17788:2014

**Kommenteerimise lõppkuupäev: 07.06.2015**

**prEVS-ISO/IEC 17789**

**Infotehnoloogia. Pilvtöötlus. Etalonarhitektuur**

See soovitus/standard spetsifitseerib pilvtöötluse etalonarhitektuuri (CCRA). See etalonarhitektuur hõlmab pilvtöötluse rolle, pilvtöötluse tegevusi ja pilvtöötluse funktsionaalkomponente ning nende seoseid.

Keel: et

Alusdokumendid: ISO/IEC 17789:2014

**Kommenteerimise lõppkuupäev: 07.06.2015**

# ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

Alljärgnevalt on toodud teave möödunud kuu jooksul Standardikeskusele esitatud algupäraste standardite ja standardilaadsete dokumentide koostamis-, muutmis- ja uustöötluste panekute kohta, millega algatatakse Eesti algupärase dokumendi koostamise protsess.

Rohkem infot koostatava dokumendi kohta saab EVS-i standardiosakonnast: [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

Igakuiselt uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Standardikeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## **EVS 812-3:2013/prA1**

### **Ehitiste tuleohutus. Osa 3: Küttesüsteemid Fire safety of constructions - Part 3: Heating systems**

See standard käsitleb ehitiste kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Muudab dokumenti: EVS 812-3:2013

Koostamisettepaneku esitaja: EVS/TK 05 Tuletõrje- ja päästevahendid

## **EVS-EN 1992-1-1:2005+A1:2014/prNA**

### **Eurokoodeks 2. Betoonkonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonetele**

#### **Eurocode 2: Design of concrete structures. Part 1-1: General rules and rules for buildings**

Rahvuslik lisa

Asendab dokumenti: EVS-EN 1992-1-1/NA:2007

Muudab dokumenti: EVS-EN 1992-1-1:2005+NA:2007

Täiendab rahvuslikult dokumenti: EVS-EN 1992-1-1:2005

Täiendab rahvuslikult dokumenti: EVS-EN 1992-1-1:2005/A1

Koostamisettepaneku esitaja: TK 13

## **EVS-EN 1993-1-1:2005/prNA**

### **Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonete projekteerimiseks**

#### **Eurocode 3: Design of steel structures Part 1-1: General rules and rules for buildings**

Rahvuslik lisa standardile EVS-EN 1993-1-1:2005

Täiendab rahvuslikult dokumenti: EVS-EN 1993-1-1:2005

Täiendab rahvuslikult dokumenti: EVS-EN 1993-1-1:2005/A1:2014

Koostamisettepaneku esitaja: EVS/TK 13

## **prEVS 812-3:2013+A1**

### **Ehitiste tuleohutus. Osa 3: Küttesüsteemid Fire safety of constructions - Part 3: Heating systems**

See standard käsitleb ehitiste kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Koostamisettepaneku esitaja: EVS/TK 05 Tuletõrje- ja päästevahendid

## **prEVS 860**

### **Tehniliste paigaldiste termiline isoleerimine. Torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus**

#### **Thermal insulation of technical equipment - Insulation of pipes, vessels and equipment - Application of thermal insulation**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb vajalikku põhiinformatsiooni tehniliste paigaldiste termilise isoleerimise projekteerimiseks ja paigaldamiseks.

Asendab dokumenti: EVS 860:2010

Koostamisettepaneku esitaja: Eesti Isolatsiooniettevõtjate Liit

## **prEVS 860-2**

### **Tehniliste paigaldiste termiline isoleerimine. Osa 2: Torustikud, mahutid ja seadmed. Järelevalve ja mõõtmine**

#### **Thermal insulation of technical equipment - Part 2: Insulation of pipes, vessels and equipment - Inspection and measurement**

Standard esitab meetmeid, kuidas teostada järelevalvet ja kontrollmõõtmisi torustike, mahutite ja seadmete soojusisolatsioonitööde kvaliteedile, nii tööde ajal kui ka tööde vastuvõtmisel.

Asendab dokumenti: EVS 860-2:2006

Koostamisettepaneku esitaja: Eesti Isolatsiooniettevõtjate Liit

### **prEVS 860-6**

**Tehniliste paigaldiste termiline isoleerimine. Osa 6: Torustikud, mahutid ja seadmed.**

**Külmaisolatsioon**

**Thermal insulation of technical equipment - Part 6: Insulation of pipes, vessels and equipment - Cold insulation**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb olulisemaid faktoreid, mida tuleb järgida tehniliste paigaldiste külmaisolatsiooni projekteerimisel, teostamisel ja materjalide valikul.

Asendab dokumenti: EVS 860-6:2010

Koostamisettepaneku esitaja: Eesti Isolatsiooniettevõtjate Liit

### **prEVS JUHEND 12**

**Eesti esindajate Euroopa ja rahvusvaheliste standardimisorganisatsioonide tehnilistesse komiteedesse ja töörühmadesse nimetamise kord ja põhimõtted**

**Principles and procedure to appoint Estonian delegates to participate in the technical work of European and international standards organisations**

See juhend käsitleb Eesti ekspertide osalemist Euroopa (CEN ja CENELEC) ja rahvusvaheliste (ISO ja IEC) standardimisorganisatsioonide tehniliste komiteede, projektkomiteede ja töörühmade töös. Juhend käsitleb ka osalemist Euroopa ja rahvusvaheliste standardimisorganisatsioonide töörühmade kokkulepete (CWA ja IWA) koostamises. Kirjeldatud on osalemise võimalused, osaleja määramise kord ning osaleja õigused ja kohustuse.

Asendab dokumenti: EVS JUHEND 12:2012

Koostamisettepaneku esitaja: Standardiosakond

# 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.

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

## PIKENDAMISKÜSITLUS

### **EVS 728:1996**

#### **Üldkasutatav kommuteeritav telefonivõrk (ÜKTV). Nõuded ÜKTV abonendi analoogliidesele ühendatavatele terminalseadmetele**

#### **Attachments to Public Switched Telephone Network (PSTN) - General technical requirements for equipment connected to an analogue subscriber interface in the PSTN**

Käesolevas liitumisstandardis on üksikasjalikult esitatud tehnilised nõuded ning nendega seotud vastavuse testid, millele peavad vastama kõik terminalseadmed oma igal üldkasutatava kommuteeritava telefonivõrguga ühendamiseks ettenähtud pordil. Telefonivõrku ühendamine toimub standardse analoogliidese kaudu. Sel liidesel on 2-juhtmeline ühendus liinivoolu hõive ja katkestusega ning vahelduvvoolu kutsesignaalidega allpool kõnesagedusalala. Need nõuded ja nendega seotud vastavuse testid defineerivad antud administratsiooni ÜKTV standardse analoogsisendi ligipääsu (aspekt 2). Ajaloolistel põhjustel võivad nõuded ja vastavuse testid koosneda eripärastest väärtustest iga administratsiooni telefonivõrgu kohta. Need nõuded kajastavad olemasolevaid standardeid. Liitumisstandard ei sisalda tingimata kõiki nõudeid, millele peab mingi eri liiki terminalseade vastama, et saada tüübikinnitus vastava ÜKTV ühenduspunkti ühendamiseks.

Pikendamisküsitluse lõppkuupäev: 07.06.2015

### **EVS 736:1999**

#### **Raadioringhäälingusüsteem. Analoogsüsteemi helitrakti kvaliteedinäitajad**

#### **Radiobroadcasting system. Sound-programme transmission chain quality parameters of analog system**

Käesolev standard käsitleb ultralühilainealal raadioprogramme levitatavate analooringhäälingusüsteemide helitraktid kvaliteedinäitajaid.

Pikendamisküsitluse lõppkuupäev: 07.06.2015

### **EVS 759:1998**

#### **Kommertstelekommunikatsioon (BTC). Kahe- ja neljajuhtmelised analoogrendiliinid (A20, A2S, A40, ja A4S). Ühenduskarakteristikud, võrguliides ja lõppseadmestiku liides**

#### **Business telecommunications (BTC) 2- wire and 4- wire analogue leased lines (A20, A2S, A40 and A4S). Connection characteristics, network interface presentation and terminal equipment interface**

Standard spetsifitseerib: - kõnesagedusalas lihtkvaliteediga ja erikvaliteediga kahe- ja neljajuhtmelise analoogrendiliini ühenduskarakteristikute ning võrguliidese füüsiliste ja elektriliste karakteristikute nõuded ja testimispõhimõtted ja - kahe- ja neljajuhtmelise analoogrendiliini lõpp-punktiga ühendatava lõppseadmestiku liidese füüsilised ja elektrilised parameetrid ja vastavad testimispõhimõtted. Standardi nõuded põhinevad ETSI (Euroopa Telekommunikatsiooni Standardite Instituut) standarditel ETS 300 448, ETS 300 449, ETS 300 500, ETS 300 551, ETS 300 552 ja ETS 300 553, mis on koostatud Euroopa Ühenduse Komisjoni mandaadi alusel ja moodustavad osa Nõukogu direktiiviga 92/44/EMÜ (ONP-direktiiv), mis käsitleb vabakasutusvõrgu kohaldamisalade rendiliinide suhtes (5. juuni 1992), määratud harmoneeritud standardite miinimumkomplektist. Ühendus toimub läbi liidese võrgu lõpp-punktides (NTP) ja sisaldab kõiki seadmestikke, mis on ette nähtud NTP-ga ühendamiseks. Lõppseadmestike vahel edastatavad signaalid kahjustuvad ühenduse läbimisel. Standard määrab kindlaks kahjustuse piirid. Tegelik olukord võib olla tunduvalt parem. Rendiliin kindlustab juurdepääsu kõnesagedusalale (300 Hz kuni 3 400 Hz) ilma piiranguteta sageduste kasutamisel. Standardi nõuded on valitud peamiselt telefonside jaoks. Piirangud teist tüüpi liikluse kasutamiseks puuduvad. Standard on kasutatav rendiliinidel, kaasa arvatud osalise kasutusajaga rendiliinid, kus side loomine või lahutamine ei nõua ühtegi protokollivahetust või mõnda muud sekkumist NTPs. Kui rendiliin on teeninduses, st edastab kasutaja liiklust, ei või rendiliini tarnija teostada standardis spetsifitseeritud teste ega jälgida liini tööd ilma rendiliini kasutajat hoiatamata. Testid on välja töötatud rendiliinide teenindusse andmiseks ja teenindusest tagasivõtmiseks, kuid nende igakordne sooritamise ei ole kohustuslik. Standard esitab võrguliidese füüsilised ja elektrilised parameetrid ning spetsifitseerib vastavuse testid ühenduskarakteristikutele ja võrguliidesele. Mõned standardis kirjeldatud testid ei ole kavandatud rakendamiseks installeeritud rendiliini liidesel. Selliste testide teostamiseks võib liidese varustada sarnase kasutusega seadmestikuga. Standardi nõuetele vastavus kindlustab kõnesagedusalas lõppseadmestiku liidese sobivuse kahe- või neljajuhtmelise analoogrendiliiniga. Standard on kasutatav kõigi liidese jaoks, mis on projekteeritud rendiliinidega ühendamiseks. Eriteenust edastava aparatuuri, kompleksaparatuuri ja eravõrgu aparatuuri jaoks võivad lisaks käesolevale standardile rakendada teised standardid. Juhtmestik kliendi territooriumil ja võrgu lõpp-punkti (NTP) vaheline installeering on väljaspool standardi käsitusala. Standard ei sisalda testide teostamise üksikasju ega testimismetoodikat. Standard ei ole koostatud reguleeriva eesmärgiga.

Pikendamisküsitluse lõppkuupäev: 07.06.2015

### **EVS 874:2003**

**Kõne töötlemise, ülekande ja kvaliteedi aspektid (STQ). Teenuse kvaliteedi parameetrite määratlused ja mõõtmine. ONP kõneside direktiiviga 98/10/EC nõutud kõnesideteenuse parameetrid**

**Speech Processing, Transmission & Quality Aspects (STQ); QoS parameter definitions and measurements; Parameters for voice telephony service required under the ONP Voice Telephony Directive 98/10/EC**

Käesolev standard sisaldab harmoniseeritud määratlusi ja mõõtemetodeid teatud hulga kasutaja poolt tajutavate teenuse kvaliteedi parameetrite kohta telefoniteenuse korral.

Pikendamisküsitluse lõppkuupäev: 07.06.2015

# ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

## **EVS 731:1997**

### **Toidukartul**

#### **Ware potatoes**

Standard kehtib kartulile, mida müüakse värskena otseselt tarbijale jaekaubandusvõrgus või tootlustusettevõtetele toidukartuliks saagiaastal alates 1. oktoobrist ja saagile järgneval aastal. Standard ei kehti toorkartuli, tärklisekartuli, piirituskartuli ning varajase kartuli kohta.

Kehtima jätmise alus: EVS/TK 1 otsus 2014-2.8/65 ja 2015. aasta märtsikuu pikendamisküsitlus

## **EVS 742:2001**

### **Seemnekartul. Määramismeetodid**

#### **Seed potatoes. Methods of determination**

Käesolev standard kehtib seemnekartuli kohta, milles käsitletakse määramismeetodeid seemnekartuli kahjustajate määramiseks.

Kehtima jätmise alus: EVS/TK 1 otsus 2014-2.8/65 ja 2015. aasta märtsikuu pikendamisküsitlus

## **EVS 808:2001**

### **Seemnekartul. Proovivõtumeetodid ja seemnepõldude kontroll**

#### **Seed potatoes. Sampling and field control**

Käesolev standard kehtib seemnekartuli kohta, milles käsitletakse seemnekartuli proovide võtmist haiguste ja kahjurite määramiseks ning kasvuaegset seemnepõldude kontrolli.

Kehtima jätmise alus: EVS/TK 1 otsus 2014-2.8/65 ja 2015. aasta märtsikuu pikendamisküsitlus

# 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 alljärgnevalt 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 28839:1999**

### **Kinnitusdetailide mehaanilised omadused. Värvilistest metallidest valmistatud poldid, kruvid, tikkpoldid ja mutrid**

#### **Mechanical properties of fasteners - Bolts, screws, studs and nuts made of non-ferrous metals**

See rahvusvaheline standard määrab kindlaks selliste poltide, kruvide, tikkpoldide ja mutrite mehaanilised omadused, mille keerme nimiläbimõõt  $d$  on M1,6 - M39 (kaasa arvatud); millel on ISO 261-le vastav meeterkeere; mis on valmistatud vasest ja vasesulamitest või alumiiniumist ja alumiiniumisulamitest. See ei puuduta poltide, kruvide, tikkpoldide ja mutrite korrosioonikindlust ega elektrijuhtivust.

Keel: en

Alusdokumendid: ISO 8839:1986; EN 28839:1991

Tühistamisküsitluse lõppkuupäev: 07.06.2015

## **EVS-EN 60099-1:2002**

### **Liigpingepiirikud. Osa 1: Sädemikega mittelineaartakistitega piirikud vahelduvvoolusüsteemidele**

#### **Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems**

This part of International Standard IEC 99 applies to surge protective devices designed for repeated operation to limit voltage surges on a.c. power circuits and to interrupt power-follow current. In particular, it applies to surge arresters consisting of single or multiple spark gaps in series with one or more non-linear resistors.

Keel: en

Alusdokumendid: IEC 60099-1:1991+A1:1999; EN 60099-1:1994+A1:1999

Tühistamisküsitluse lõppkuupäev: 07.06.2015

## **EVS-EN ISO 11674:2002**

### **Ships and marine technology - Heading control systems**

This standard specifies the structure, performance, inspection and testing of heading control systems to be installed on board ships.

Keel: en

Alusdokumendid: ISO 11674:2000; EN ISO 11674:2001

Tühistamisküsitluse lõppkuupäev: 07.06.2015

## **EVS-EN ISO 12402-1:2005**

### **Personal flotation devices - Part 1: Lifejackets for seagoing ships - Safety requirements**

This part of ISO 12402 specifies the safety requirements for lifejackets intended for use on seagoing ships with regard to the technical provisions of the International Convention for the Safety of Life at Sea (SOLAS).

Keel: en

Alusdokumendid: ISO 12402-1:2005; EN ISO 12402-1:2005

Tühistamisküsitluse lõppkuupäev: 07.06.2015

## **EVS-EN ISO 8166:2003**

### **Resistance welding - Procedure for the evaluation of the life of spot welding electrodes using constant machines settings**

This standard specifies a procedure to be used for the evaluation of the life of spot welding electrodes when welding uncoated and coated steels, stainless steels, aluminium and aluminium alloys using constant machine settings which are not changed during the test. The procedure can also be used to establish the electrode life when spot welding other metallic materials.

Keel: en

Alusdokumendid: ISO 8166:2003; EN ISO 8166:2003

Tühistamisküsitluse lõppkuupäev: 07.06.2015

# TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Standardikeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mida ei avaldata Eesti standardina enne Euroopa organisatsiooni ja Standardikeskuse kokku lepitud dokumendi olemasolust avalikkuse teavitamise hilisemat tähtpäeva. Reeglina võib selliste teadete avaldamine olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samaaegselt nii eesti- kui ka ingliskeelsena.

Igakuiselt uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Standardikeskuse veebilehel avaldatavast [standardimisprogrammist](#). Täiendav teave standardiosakonnast: [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

## EN 50121-4:2015

**Raudteealased rakendused. Elektromagnetiline ühilduvus. Osa 4: Signalisatsiooni- ja sideseadmete emissioon ja häiringutaluvus**  
**Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signalling and telecommunications apparatus**

Eeldatav avaldamise aeg Eesti standardina 12.2015

## EN 13986:2004+A1:2015

**Ehituses kasutatavad puitplaadid. Näitajad, vastavushindamine ja märgistamine**  
**Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking**

Eeldatav avaldamise aeg Eesti standardina 10.2015

## EN 13384-1:2015

**Chimneys - Thermal and fluid dynamic calculation methods - Part 1: Chimneys serving one heating appliance**

Eeldatav avaldamise aeg Eesti standardina 10.2015

## EN 13384-2:2015

**Chimneys - Thermal and fluid dynamic calculation methods - Part 2: Chimneys serving more than one heating appliance**

Eeldatav avaldamise aeg Eesti standardina 10.2015

## EN 61000-4-30:2015

**Electromagnetic compatibility (EMC) - Part 4-30: Testing and measurement techniques - Power quality measurement methods**

Eeldatav avaldamise aeg Eesti standardina 12.2015

## EN 81-72:2015

**Safety rules for the construction and installation of lifts - Particular applications for passenger and goods passenger lifts - Part 72: Firefighters lifts**

Eeldatav avaldamise aeg Eesti standardina 10.2015

# UUED EESTIKEELSESD STANDARDID JA STANDARDILAADSED DOKUMENDID

## **EVS-EN 13823:2010+A1:2015**

**Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

**Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item**

See Euroopa standard määratleb katsemeetodi, millega määratakse tuletundlikkust ehitustoodetele, välja arvatud põrandakattematerjalidele, samuti materjalidele, millele on viidatud EÜ otsuse 2000/147/EÜ tabelis 1, kui termiline mõjutaja on üksik põlev objekt (SBI – Single Burning Item). Arvutused on ära toodud lisas A. Informatsioon meetodi täpsuse kohta on ära toodud lisas B. Kalibreerimisprotseduurid on ära toodud lisades C ja D, millest lisa C on normilisa. MÄRKUS Euroopa standard on välja töötatud põhiliselt lamedate toodete tuletundlikkuse kindlaks määramiseks. Teatud tootegruppide, näiteks torude, kanalite, kaablite jne, toodete käsitlemine nõuab erireegleid.

## **EVS-EN 15376:2015**

**Mootorikütused. Etanool mootoribensiini segukomponendina. Nõuded ja katsemeetodid**  
**Automotive fuels - Ethanol as a blending component for petrol - Requirements and test methods**

Standard sätestab nõuded ja katsemeetodid turustatavale ja tarnitavale ottomootoriga sõidukite mootoribensiini segukomponendina kasutatavale etanoolile vastavalt standardi EN 228 [5] nõuetele. Standard kehtib etanoolile, mida kasutatakse segukomponendina kuni 85 mahu% (kaasa arvatud) ulatuses. MÄRKUS Selles standardis kasutatakse massiosade  $\mu$  ja mahuosade  $\phi$  eristamiseks vastavalt tähiseid „% (m/m)“ ja „% (V/V)“. EE MÄRKUS Eesti standardis kasutatakse vastavalt tähiseid „massi%“ ja „mahu%“.

## **EVS-EN 16034:2014**

**Uksed, väravad ja avatavad aknad. Tootestandard, toodete omadused. Tulepüsivus ja/või suitsupidavus**

**Pedestrian doorsets, industrial, commercial, garage doors and openable windows - Product standard, performance characteristics - Fire resisting and/or smoke control characteristics**

See Euroopa standard määrab kindlaks materjalist sõltumatud ohutus- ja toimivusnõuded, mis on kohaldatavad kõigile tule- ja/või suitsutõkketoodetele, mis on kavandatud kasutamiseks tule- ja/või suitsutõkkeseksioonides ja/või evakuaatsiooniteedel ja mis on kas: — tööstus-, kommerts- ja/või garaažiuksed, ruloouksed või käitatavad tekstiilkardinad, mis on kavandatud paigaldamiseks inimeste kasutatavatele ruumidele ning mille peamine kavandatud kasutusotstarve on tagada turvaline ligipääs kaupadele ja inimeste juhitavatele või saadetavatele sõidukitele, või — ruloouksed või käitatavad tekstiilkardinad, mida kasutatakse jaemüügiettevõtete territooriumil, mis on peamiselt mõeldud inimeste, mitte niivõrd sõidukite või kaupade ligipääsu tagamiseks, või — käiguksed ja/või avatavad aknad ja/või hingedel või liugmehhanismiga inspeksiooniluugid, mis on kavandatud paigaldamiseks inimeste kasutatavatele ruumidele ning mille peamine kavandatud kasutusotstarve on tagada turvaline ligipääs inimestele ning mis on käsikäitusega või masinkäitusega ning: — mille tavaline käitusviis on avamine ja isesulgumine või — on tavaliselt avatud olekus, kuid tulekahju või suitsu tekke puhul isesulguvad või — on tavaliselt suletud ja lukustatud olekus (nt teenindusligipääsu tagavad/inspeksiooniuksed), ja komplekteeritud: — akna- ja uksetarvikutega, — külppaneeli(de)ga või ilma nendeta, sileda(te) või süvistatud ülapaneeeli(de)ga (klaasiga või ilma) ning mis on paigutatud ühe perimeetriga lengi piires, sisestamiseks ühte (ehitus)avasse, — ukselehes või -lehtedes olevate vaatepaneeli(de)ga või ilma nendeta, — tihenditega või ilma nendeta (nt suitsupidavuse, tulepüsivuse, ventilatsiooni, akustilisteomaduste või ilmastikukindluse tagamiseks). Standardiga EN 13241-1, EN 14351-1, prEN 14351-2 või EN 16361 hõlmatud toote omadused ei sisalda tuletõkke- ja/või suitsutõkketoodete tulepüsivus- ja/või suitsutõkestusomadusi. MÄRKUS 1 Standardis EN 14351-1, prEN 14351-2, EN 13241-1 või EN 16361 sisalduvad nõuded võivad olla selle standardiga kaetud toodete puhul asjakohased. See standard sisaldab ka viiteid toote modifikatsioonidele, mis ei mõjuta kõnealuste toodete toimivust. MÄRKUS 2 Tule- ja/või suitsutõkkeuste variatsioonide puhul kehtivad nõuded ja reeglid (mis puudutavad otsest ja laiendatud kasutusala) on esitatud standardisarjas EN 15269 ja standardites EN 1634-1 ning EN 1634-3, mida toetab nt standard EN 16035.

## **EVS-EN 60728-1:2015**

**Televisiooni-, heli- ja multimeediasignaali kaabelvõrgud. Osa 1: Süsteemi pärisuuna-ahela näitajad**

**Cable networks for television signals, sound signals and interactive services - Part 1: System performance of forward paths**

See EVS-EN 60728 osa on rakendatav igasuguse kaabelvõrgu (sealhulgas individuaalvastuvõtu-süsteemide) puhul, millel on pärisuuna-ahelas koaksiaalväljund ja mis on mõeldud eelkõige televisiooni- ja raadiolevisignaale vahemikus ligikaudu 30 MHz kuni 3000 MHz. See EVS-EN 60728 osa sätestab koaksiaalväljundit omavate kaabelvõrkude tööomaduste mõõtmise põhilised meetodid, eesmärgiga määrata nende süsteemide näitajad ja nende töö piirväärtused.

## **EVS-EN 61000-3-2:2014**

**Elektromagnetiline ühilduvus. Osa 3-2: Piirväärtused. Vooluharmoniliste emissiooni lubatavad piirväärtused (seadmetel sisendvooluga kuni 16 A faasi kohta)**

## **Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)**

See IEC 61000 osa käsitleb avalikku toitesüsteemi sisestatavate vooluharmoniliste piiramist. See seab piirangud sisendvoolu harmooniliste komponentidele, mis võivad kindlaksmääratud tingimustel olla tekitatud katsetatavast seadmest. Harmooniliste komponente mõeldakse vastavalt lisadele A ja B. See IEC 61000 osa on kohaldatav elektri- ja elektroonikaseadmetele, mille sisendvool on kuni 16 A faasi kohta ning on mõeldud ühendamiseks madalpinge avalikesse jaotussüsteemidesse. Sellesse standardisse on sisse viidud mitteprofikaarkeevitusseadmed, sisendvooluga kuni 16 A faasi kohta. Professionaalseks kasutamiseks mõeldud kaarkeevitusseadmed, nagu on täpsustatud standardis IEC 60974-1, on sellest standardist välja jäetud ja nad võivad olla paigaldamispiirangutega, nagu on esitatud dokumendis IEC/TR 61000-3-4 või standardis IEC 61000-3-12. Antud standardile vastavad katsed on tüübikatsed. Konkreetsete seadmete katsetingimused on toodud lisas C. Süsteemidele nominaalpingega alla 220 V (faas-neutraal) ei ole piirväärtusi veel kasutusele võetud. MÄRKUS Sõnad „aparaat“, „seade“, „vahend“ ja „seadmed“, mida kasutatakse selles standardis, on antud standardi mõistes ühtse tähendusega.

### **EVS-EN 62115:2005/A12:2015**

#### **Elektrilised mänguasjad. Ohutus**

#### **Electric toys - Safety**

Muudatus standardile EN 62115:2005

### **EVS-EN 62115:2005+A2+A11+A12**

#### **Elektrilised mänguasjad. Ohutus**

#### **Electric toys – Safety (IEC 62115:2003 + A1:2004, modified + IEC 62115:2003/A2:2010, modified)**

See Euroopa standard määrab kindlaks elektrilise ohutuse nõuded mänguasjadele, millel on vähemalt üks elektrist sõltuv funktsioon; mänguasjadele, mis on mistahes toode ning mis on üheselt konstrueeritud või mõeldud, kas ainult või mitte, mängimisel kasutamiseks lastele vanuses alla 14 eluaasta. MÄRKUS 1 Näited mänguasjadest, mis jäävad samuti antud standardi käsitusallasse, on järgmised: — koostekomplektid; — katsekomplektid; — funktsionaalsed mänguasjad (mänguasi, mis toimib ja mida kasutatakse samal viisil nagu toodet, seadet või installatsiooni, mis on mõeldud kasutamiseks täiskasvanutele, ning mis võib olla sellise toote, seadme või installatsiooni vähendatud mõõtudes koopia); — arvutimänguasjad; — mänguarvutid. Täiendavad nõuded katsekomplektidele antakse lisas A. Mänguasjad, mis kasutavad elektrit sekundaarsete funktsioonide tarvis, kuuluvad samuti selle standardi käsitusallasse. MÄRKUS 2 Sellise mänguasja näiteks on nukumaja, millel on lamp sees. Täiendavad nõuded mänguasjadele, mis sisaldavad lasereid ja valgusdioode, antakse lisas E. Kui on mõeldud, et laps mängib ka pakendiga, siis loetakse viimane samuti mänguasja osaks. See Euroopa standard hõlmab vaid mänguasjade ohutuse elektrilisi aspekte. Mitteelektrilisi aspekte hõlmab standardisari EN 71. Täpsemalt vaadake lisadest ZZA ja ZZB. MÄRKUS 3 Mänguasjade trafosid (IEC 61558-2-7 lineaarset tüüpi trafodele või IEC 61558-2-7 ja IEC 61558-2-16 lülitatavat tüüpi trafodele), akulaadijaid (IEC 60335-2-29) ning lastele kasutamiseks mõeldud akulaadijaid (IEC 60335-2-29 lisa AA) ei loeta mänguasja osadeks isegi siis, kui nad tarnitakse koos mänguasjaga. See Euroopa standard ei rakendu järgmistele mänguasjadele: — mänguväljaku seadmed, mis on mõeldud avalikes kohtades kasutamiseks; — automaatsed müntidega või ilma kasutatavad mängumasinad, mis on mõeldud avalikes kohtades kasutamiseks; — mängu-sõiduvahendid, mis on varustatud siseõlemismootoritega; — mängu-aurumasinad; — lingud ja katapuldid. Lisaks sellele ei hõlma standard järgmisi tooteid, mida selle Euroopa standardi mõistes ei käsitleta mänguasjadena: — elektrilised dekoratiivsed robotid (EN 50410); — dekoratiivsed esemed pidustusteks ja pühadeks; — spordivarustus, k.a rulluisud, reasuisud/ratasuisud ja rulad, mis on mõeldud lastele kehamaasiga rohkem kui 20 kg; — jalgrattad sadula maksimaalse kõrgusega rohkem kui 435 mm mõõdetuna vertikaalsuunas maapinnalt sadula pealispinnani, kui iste on horisontaalasendis ja sadula varras on seatud minimaalse sisestamise märgile; — tõukerattad ja muud transpordivahendid, mis on konstrueeritud sportimiseks, või mis on mõeldud kasutamiseks liikumisel avalikel teedel või avalikel sõiduteedel; — elektri jõul liikuvad sõiduvahendid, mis on mõeldud kasutamiseks liikumisel avalikel teedel, avalikel sõiduteedel või nende kõnniteedel; — vees kasutatav varustus, mis on mõeldud kasutamiseks sügavas vees ning lastele ujumise õpetamise vahendid, nagu ujumisistmed ja ujumise abivahendid; — pusled, millel on rohkem kui 500 detaili; — surugaasil töötavad püssid ja püstolid, välja arvatud veepüssid ja -püstolid, samuti sportvibud pikkusega üle 120 cm; — tooted ja mängud, mis kasutavad teravaotsalisi viskevahendeid, nagu metallist otstega nooleviskekomplekti; — funktsionaalsed õppetstarbelised tooted, nagu elektripliidid, triikraud või teised funktsionaalsed tooted, mis töötavad nominaalpingel üle 24 V, ning mida müüakse õpetamiseks ainult täiskasvanute järelevalve all; — ilutulestikuvahendid, k.a tongid, mis ei ole otseselt mänguasjadele konstrueeritud; — tooted, mis on mõeldud kasutamiseks õppetstarbel koolides ning muudes pedagoogilistes tegevustes täiskasvanud instruktorite järelevalve all, nagu teadusotstarbeline varustus; — elektroonikaseadmed, nagu personaalarvutid ja mängukonsolid, mida kasutatakse juurdepääsuks interaktiivsele tarkvarale, ning nendega kaasnevad perifeersed seadmed, kui need elektroonikaseadmed või nendega kaasnevad perifeersed seadmed ei ole otseselt konstrueeritud ja suunatud lastele ning neil omal on mänguline väärtus, nagu spetsiaalselt konstrueeritud personaalarvutid, klaviatuurid, juhtkangid või juhtimisröölid; — interaktiivne tarkvara, mis on mõeldud puhke- ja lõbustustegevuseks, nagu arvutimängud ja nende salvestusmeedia, nagu CD-d; — lastele mõeldud valgustid; — laste ehted, mida ei kasutata mängimiseks; — beebide lutid; — kollektsionääridele mõeldud tooted tingimusel, et toode või selle pakend kannab nähtavat ja loetavat tähistust, et see on mõeldud kollektsionääridele vanuses 14 eluaastat ja üle selle. NÄIDETEKS sellist liiki toodetest on — detailsed ja tõetruud miniatuursed mudelid, — komplektid täpsete miniatuursete mudelite kokkupanekuks, — rahvariides nukud, dekoratiivsed nukud ja teised sarnased tooted, — ajalooliste mänguasjade koopiad ning — reaalsele tülirelvade reproduktsioonid.

### **EVS-EN 71-14:2014**

#### **Mänguasjade ohutus. Osa 14: Batuudid koduseks kasutamiseks**

#### **Safety of toys - Part 14: Trampolines for domestic use**

See Euroopa standard määrab kindlaks nõuded ja katsemeetodid batuutidele koduseks kasutuseks, nende juurdepääsuseadmed ja tarandikud, mis on mõeldud välis- ja/või sisekasutuseks maapinna kohal korraga ühe isiku poolt. Selle standardi käsitusallast jäävad välja: — batuudid, mida kasutatakse võimlemisvahenditena, mida hõlmatakse standardiga EN 13219; — voolavad täispuhutavad batuudid, mida hõlmatakse standardisarjaga EN 15649; — batuudid, mida kasutatakse avalikel mänguväljakutel; — kaldega mattbatuudid; — täispuhutavad batuudid; — kehatreeninguks (fitnessiks) mõeldud batuudid, kaasa arvatud

meditsiinilise otstarbega batuudid; — lisaomadustega batuudid, nt telgid, korvpallirõngas; — batuudid koduseks kasutuseks, mis on süvendatud maa tasapinnale.

#### **EVS-EN 71-7:2014**

### **Mänguasjade ohutus. Osa 7: Sõrmevärvid. Nõuded ja katsemeetodid Safety of toys - Part 7: Finger paints - Requirements and test methods**

Standardi EN 71 selles osas määratakse nõuded ainetele ja materjalidele, mida kasutatakse sõrmevärvides ja rakendatakse ainult sõrmevärvide kohta. Lisanõuded on esitatud märgistusele, etikettimisele ja taarale.

#### **EVS-EN ISO 2553:2014**

### **Keevitus ja külgnevad protsessid. Keevisliidete tähistamine tingmärkidega joonistel Welding and allied processes - Symbolic representation on drawings - Welded joints (ISO 2553:2013)**

See rahvusvaheline standard määratleb reeglid, mida tuleb kasutada keevisliidete tähistamiseks tehnilistel joonistel. See võib veel sisaldada infot keevisõmbluste geomeetria, valmistamise ja katsetamise kohta. Selle standardi põhimõtteid võib rakendada pehmejoodis- ja kõvajoodisliidetele. On tunnustatud, et globaalsetel turgudel kasutatakse joonistel noole poole ja teise poole tähistamiseks kahte lähenemist. Selles rahvusvahelises standardis on: — jaotised, tabelid ja joonised, mis kannavad liidet „A“, rakendatavad ainult tingmärkidega tähistamise süsteemis, mis põhineb topelt viitejoone kasutamisel; — jaotised, tabelid ja joonised, mis kannavad liidet „B“, rakendatavad ainult tingmärkidega tähistamise süsteemis, mis põhineb ühe viitejoone kasutamisel; — jaotised, tabelid ja joonised, millel ei ole liidet tähega „A“ või „B“, rakendatavad mõlemale süsteemile. Selles rahvusvahelises standardis näidatud tingmärgid võivad olla kombineeritud teiste joonistel kasutatavate tingmärkidega, näiteks näitamaks pinnaviimistluse nõudeid. On esitatud alternatiivne tähistamise meetod, mida võib kasutada tähistamiseks keevisliiteid joonistel, määratledes olulist projekteerimise infot, nagu õmbluse mõõtmed, kvaliteeditasemed jne. Liite servade ettevalmistus ja keevitusprotsess(id) on siis määratavad tootmisüksuse poolt, et vastata määratletud nõuetele. MÄRKUS Selles rahvusvahelises standardis toodud näited, kaasa arvatud mõõtmete osas, on ainult illustratiivsed ja mõeldud demonstreerima sobivat põhimõtete kasutamist. Need ei ole ette nähtud väljendamaks head projekteerimise praktikat või asendamaks koodi või spetsifikatsiooni nõudeid.

## 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](mailto:enquiry@evs.ee).

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN 16034:2014	Aknad, ukсед ja väravad. Tootestandard, toodete omadused. Tulepüsivus ja suitsutõkestus	Uksed, väravad ja avatavad aknad. Tootestandard, toodete omadused. Tulepüsivus ja/või suitsupidavus
EVS-EN 61000-3-2:2014	Elektromagnetiline ühilduvus. Osa 3-2: Piirväärtused. Vooluharmoniliste emissiooni lubatavad piirid (seadmetel sisendvooluga kuni 16 A faasi kohta)	Elektromagnetiline ühilduvus. Osa 3-2: Piirväärtused. Vooluharmoniliste emissiooni lubatavad piirväärtused (seadmetel sisendvooluga kuni 16 A faasi kohta)

## UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
CLC/TS 50625-3-1:2015	Collection, logistics & treatment requirements for WEEE - Part 3-1: Specification for de-pollution - General	Elektri- ja elektroonikaseadmete jäätmete kogumise, logistika ja käsitsemise nõuded. Osa 3-1: Saasteärastuse määratlus. Üldpõhimõtted
EVS-EN 12057:2015	Natural stone products - Modular tiles - Requirements	Looduslikust kivist tooted. Moodulplaadid. Nõuded
EVS-EN 12058:2015	Natural stone products - Slabs for floors and stairs - Requirements	Looduslikust kivist tooted. Põrandaja trepiplaadid. Nõuded
EVS-EN 12221-1:2008+A1:2013	Child use and care articles - Changing units for domestic use - Part 1: Safety requirements	Lastele kasutamiseks ja laste hooldamiseks mõeldud tooted. Mähkimislaudad koduseks kasutamiseks. Osa 1: Ohutusnõuded
EVS-EN 12221-2:2008+A1:2013	Child use and care articles - Changing units for domestic use - Part 2: Test methods	Lastele kasutamiseks ja laste hooldamiseks mõeldud tooted. Mähkimislaudad koduseks kasutamiseks. Osa 2: Katsemeetodid
EVS-EN 12966:2014	Road vertical signs - Variable message traffic signs	Vertikaalsed liikluskorraldusvahendid. Muudetava teabega liiklusmärgid
EVS-EN 1469:2015	Natural stone products - Slabs for cladding - Requirements	Looduslikust kivist tooted. Välisvooderdusplaadid. Nõuded
EVS-EN 16497-1:2015	Chimneys - Concrete System Chimneys - Part 1: Non-balanced flue applications	Korstnad. Betoonist korstnasüsteemid. Osa 1: Tasakaalustamata suitsulõõriga korstnalahendused
EVS-EN 60127-2:2014	Miniature fuses - Part 2: Cartridge fuse-links	Väikesulavkaitsmed. Osa 2: Padrunsulavpanused
EVS-EN 60127-6:2014	Miniature fuses - Part 6: Fuse-holders for miniature fuse-links	Väikesulavkaitsmed. Osa 6: Kaitsmepesad väikestele padrunsulavpanustele
EVS-EN 60728-1:2015	Cable networks for television signals, sound signals and interactive services - Part 1: System performance of forward paths	Televisiooni-, heli- ja multimeediasignaali kaabelvõrgud. Osa 1: Süsteemi pärisuuna-ahela näitajad
EVS-EN 62586-1:2014	Power quality measurement in power supply systems - Part 1: Power Quality Instruments (PQI)	Elektrienergia kvaliteedi mõõtmine elektrivarustusüsteemides. Osa 1: Elektrienergia kvaliteedi mõõteriistad

EVS-EN 62586-2:2014	Power quality measurement in power supply systems - Part 2: Functional tests and uncertainty requirements	Elektrienergia kvaliteedi mõõtmine elektrivarustussüsteemides. Osa 2: Funktsionaalkatsetused ja mõõtemääramatusnõuded
EVS-EN ISO 2553:2014	Welding and allied processes - Symbolic representation on drawings - Welded joints (ISO 2553:2013)	Keevitus ja külgnevad protsessid. Keevisliidete tähistamine tingmärkidega joonistel
EVS-HD 62640:2015	Residual current devices with or without overcurrent protection for socket-outlets for household and similar uses	Rikkevoolukaitseadised liigvoolukaitsega või ilma selleta majapidamises ja muul taolisel viisil kasutatavatele pistikupesadele

## UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardikeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtva Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EÜ direktiivide kontekstis Euroopa Komisjoni mandaadi alusel Euroopa standardimisorganisatsioonide koostatud ja vastu võetud standardid.

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

Lisainfo:

<http://www.newapproach.org/>

<http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards>

Eesti Standardikeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtva 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 direktiivide kaupa.

### Direktiiv 1999/5/EÜ Radio- ja telekommunikatsiooni terminalseadmed (EL Teataja 2015/C 125/01)

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 Märkus 1	Direktiivi 1999/5/EÜ artikkel
EVS-EN 302 561 V1.3.2:2015 Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Sageduskanalis laiussega 25 kHz, 50 kHz, 100 kHz või 150 kHz töötavad pidevat või vahelduvat mähisjoone modulatsiooni kasutavad raadioseadmed; Harmoneeritud EN&TTE direktiivi artikli 3.2 põhinõuete alusel	17.04.2015	EN 302 561 V1.2.1 Märkus 2.1	30.06.2016	Artikli 3, lõige 2
EVS-EN 303 098-2 V1.2.1:2015 Elektromagnetiline ühilduvus ja raadiospektri küsimused (ERM); Madala võimsusega töötav isikliku kasutusega asukoha määramise mereside avariipoi (personaalne raadiopoi), mis kasutab automaatset identifitseerimissüsteemi (AIS); Osa 2: Harmoneeritud EN R&TTE direktiivi 3.2 põhinõuete alusel	17.04.2015			Artikli 3, lõige 2
EVS-EN 303 135 V1.1.1:2015 Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Rannikuseire, laevaliikluse juhtimise süsteemid ja sadama radarid (CS/VTs/HR); Harmoneeritud EN R&TTE direktiivi artikli 3 lõige 2 alusel	17.04.2015			Artikli 3, lõige 2
EVS-EN 50561-1:2013/AC:2015 Elektriliinsideseadmed madalpingepaigaldistes. Raadiohäiringute tunnussuurused. Piirväärtused ja mõõtemetodid. Osa 1. Majasisene aparatuur	17.04.2015			
EVS-EN 60065:2014 Audio-, video- ja muud taolised elektriseadmed. Ohutusnõuded	17.04.2015	EN 60065:2002 Märkus 2.1	17.11.2017	Artikli 3 lõike 1 punkt a (ja direktiivi 2006/95/EÜ artikkel 2)

EVS-EN 61000-3-2:2014 Elektromagnetiline ühilduvus. Osa 3-2: Piirväärtused. Vooluharmoniliste emissiooni lubatavad piirväärtused (seadmetel sisendvooluga kuni 16 A faasi kohta)	17.04.2015	EN 61000-3-2:2006 Märkus 2.1	30.06.2017	Artikli 3 lõike 1 punkt b
EVS-EN 62368-1:2014 Audio-video, info- ja sidetehnikaseadmed. Osa 1: Ohutusnõuded	17.04.2015			Artikli 3 lõike 1 punkt a (ja direktiivi 2006/95/EÜ artikkel 2)

Märkus 1: Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab, Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teatavatel erandjuhtudel võib olla ka teisiti.

Märkus 2.1: Uue (või muudetud) standardi reguleerimisala on samasugune nagu asendataval standardil. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

Märkus 3: Muudatuste puhul on viitestandard EN CCCC:AAAA, vajaduse korral selle varasemad muudatused ja osutatud uus muudatus. Asendatav standard koosneb seega standardist EN CCCC:AAAA ja vajaduse korral selle varasematest muudatustest, kuid ei hõlma osutatud uut muudatust. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

Märkus 2.3: Uue standardi reguleerimisala on kitsam kui asendataval standardil. Osutatud kuupäeval kaotab kehtivuse (osaliselt) asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega uue standardi reguleerimisalasse kuuluvate toodete puhul. See ei mõjuta vastavuseeldust direktiivi oluliste nõuetega nende toodete puhul, mis kuuluvad (osaliselt) asendatava standardi reguleerimisalasse, kuid ei kuulu uue standardi reguleerimisalasse.

### Direktiiv 2006/95/EÜ Madalpingeseadmed (EL Teataja 2015/C 125/02)

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 vastavuseeldus kaotab kehtivuse Märkus 1
EVS-EN 50117-1:2002/A2:2013 Koaksiaalkaablid. Osa 1: Üldliigitus	28.11.2013	Märkus 3	17.06.2016
EVS-EN 50117-2-5:2004/A2:2013 Koaksiaalkaablid. Osa 2-5: Kaabeljaotusvõrkudes kasutatavate kaablite liigitus. Välispaigaldiste rippkaablid sagedusel 5 MHz kuni 3000 MHz talitlevatele süsteemidele	28.11.2013	Märkus 3	01.07.2016
EVS-EN 50290-4-1:2014 Kommunikatsioonikaablid. Osa 4-1: Kaablite kasutamise üldkaalutlused. Keskkonnaolud ja ohutusaspektid	17.04.2015	EN 50290-4-1:2001 Märkus 2.1	16.09.2016
EVS-EN 50290-4-2:2014 Kommunikatsioonikaablid. Osa 4-2: Kaablite kasutamise üldkaalutlused. Kasutamisujuhised	17.04.2015		
EVS-EN 50407-3:2014 Suure bitikiirusega digitaal-telekommunikatsioonivõrkudes kasutatavad mitmepaarilised kaablid. Osa 3: Siseoludes kasutatavad mitmepaarilised või mitmenelikulised kaablid sagedusega kuni 100 MHz ja ühenduspikkusega enamalt 100 m üldtalitluseks, xDSL-talitluseks ja rakendusteks kiirusega kuni 100 Mbit/s üle IP	17.04.2015		
EVS-EN 50491-6-1:2014 Kodu- ja hooneelektroonikasüsteemid ning hooneautomaatika- ja hoonejuhtimissüsteemid. Osa 6-1: Kodu- ja hooneelektroonikasüsteemid. Paigaldamine ja plaanimine	17.04.2015		
EVS-EN 50539-11:2013 Madalpingelised liigpingekaitsevahendid. Eirakendustel, sealhulgas alalisvoolul kasutatavad liigpingekaitsevahendid. Osa 11: Nõuded fotoelektriliste rakenduste liigpingekaitsevahenditele ja nende katsetamine	17.04.2015		

EVS-EN 50539-11:2013/A1:2014 Madalpingelised liigpingekaitsevahendid. Erirakendustel, sealhulgas alalisvoolul kasutatavad liigpingekaitsevahendid. Osa 11: Nõuded fotoelektriliste rakenduste liigpingekaitsevahenditele ja nende katsetamine	17.04.2015	Märkus 3	25.07.2017
EVS-EN 50550:2011/A1:2014 Kaitseade tööstussageduslike liigpingete eest majapidamis- ja muudele taoliste paigaldistele	17.04.2015	Märkus 3	28.07.2017
EVS-EN 50565-1:2014 Juhtmed ja kaablid. Juhis tugevvoolujuhtmete ja -kaablite nimipingega kuni 450/750 V (U0/U) kasutamiseks. Osa 1: Üldjuhised	17.04.2015		
EVS-EN 50565-2:2014 Juhtmed ja kaablid. Juhis tugevvoolujuhtmete ja -kaablite nimipingega kuni 450/750 V (U0/U) kasutamiseks. Osa 2: Erijuhised standardis EN 50525 käsitletud juhtme- ja kaabliiliikidele	17.04.2015		
EVS-EN 50618:2015 Kaablid fotoelektrilistele süsteemidele	17.04.2015		
EVS-EN 60034-8:2007/A1:2014 Pöörlevad elektrimasinad. Osa 8: Klemmide märgistus ja pöörlemisuund	17.04.2015	Märkus 3	24.04.2017
EVS-EN 60061-1:1993/A27:2014 Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 1: Lambisoklid	17.04.2015	Märkus 3	09.06.2017
EVS-EN 60061-1:2001/A50:2014 Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 1: Lambisoklid	17.04.2015	Märkus 3	26.03.2017
EVS-EN 60061-2:2001/A47:2014 Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 2: Lambipesad	17.04.2015	Märkus 3	26.03.2017
EVS-EN 60061-3:2001/A48:2014 Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 3: Mõõturid	17.04.2015	Märkus 3	26.03.2017
EVS-EN 60065:2014 Audio-, video- ja muud taolised elektriseadmed. Ohutusnõuded	17.04.2015	EN 60065:2002 Märkus 2.1	17.11.2017
EVS-EN 60127-2:2014 Väikesulavkaitsmed. Osa 2: Padrunsulavpanused	17.04.2015	EN 60127-2:2003 Märkus 2.1	24.10.2017
EVS-EN 60127-6:2014 Väikesulavkaitsmed. Osa 6: Kaitsmepesad väikestele padrunsulavpanustele	17.04.2015	EN 60127-6:1994 Märkus 2.1	08.10.2017
EVS-EN 60255-27:2014 Mõõtoreleid ja kaitseadised. Osa 27: Toote ohutusnõuded	17.04.2015	EN 60255-5:2001; EN 60255-27:2005 Märkus 2.1	19.11.2016
EVS-EN 60269-1:2007/A2:2014 Madalpingelised sulavkaitsmed. Osa 1: Üldnõuded	17.04.2015	Märkus 3	04.08.2017
EVS-EN 60309-1:2001/A1:2007/AC:2014 Pistikud, pistikupesad ja pistikühendused tööstuslikuks kasutuseks. Osa 1: Üldnõuded	17.04.2015		
EVS-EN 60335-1:2012/A11:2014 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded	17.04.2015	Märkus 3	21.11.2014
EVS-EN 60335-2-101:2003/A2:2014 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-101: Erinõuded aurutitele	17.04.2015	Märkus 3	16.09.2017
EVS-EN 60335-2-31:2014 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-31: Erinõuded õhupuhasseadmetele ja muudele toiduvalmistusaurude äratõmbevahenditele	17.04.2015	EN 60335-2-31:2003 Märkus 2.1	28.04.2017
EVS-EN 60335-2-56:2003/A2:2014 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-56: Erinõuded projektoritele ja muudele taolistele seadmetele	17.04.2015	Märkus 3	16.09.2017
EVS-EN 60400:2008/A2:2014 Lambipesad torukujulistele luminofoorlampidele ja süüturipesad	17.04.2015	Märkus 3	04.08.2017
EVS-EN 60598-2-22:2014 Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	17.04.2015	EN 60598-2-22:1998 Märkus 2.1	24.07.2017

EVS-EN 60695-10-2:2014 Tuleohukatsed. Osa 10-2: Anomaalne kuumus. Kuulsurvekatsemeetod	17.04.2015	EN 60695-10-2:2003 Märkus 2.1	26.03.2017
EVS-EN 60695-11-2:2014 Tuleohukatsed. Osa 11-2: Katseleegid. Eelsegatud kütteseguga leek nimivõimsusega 1 kW. Seadmed, kontrollkatsetuse läbiviimine ja juhis	17.04.2015	EN 60695-11-2:2003 Märkus 2.1	14.01.2017
EVS-EN 60695-2-11:2014 Tuleohukatsed. Osa 2-11: Hõõg- või kuumtraadil põhinevad katsetusmeetodid. Valmistoodete hõõgtraadikatsetus süttivusele	17.04.2015	EN 60695-2-11:2001 Märkus 2.1	13.03.2017
EVS-EN 60754-1:2014 Katsetused materjalide põlemisel kaablites ja isoleerjuhtmetest eralduvatele gaasidele. Osa 1: Halogeenhappegaasi koguse kindlaksmääramine	17.04.2015		
EVS-EN 60754-2:2014 Katsetused materjalide põlemisel kaablites ja isoleerjuhtmetest eralduvatele gaasidele. Osa 2: Gaaside happesusastme (pH väärtuse mõõtmise teel) ja juhtivuse kindlaksmääramine	17.04.2015		
EVS-EN 60825-1:2014 Lasertoodete ohutus. Osa 1: Seadmete klassifikatsioon ja nõuded	17.04.2015	EN 60825-1:2007 Märkus 2.1	19.06.2017
EVS-EN 60831-1:2014 Iseparanevat tüüpi paralleel-jõukondensaatorid vahelduvvoolusüsteemidele nimipingega kuni 1 kV. Osa 1: Üldnõuded. Talitus, katsetamine ja tunnussuurused. Ohutusnõuded. Paigaldamise ja käidu juhis	17.04.2015	EN 60831-1:1996 Märkus 2.1	18.03.2017
EVS-EN 60831-2:2014 Iseparanevat tüüpi paralleel-jõukondensaatorid vahelduvvoolusüsteemidele nimipingega kuni 1 kV. Osa 2: Vanandamiskatse, iseparanemiskatse ja purustuskatse	17.04.2015	EN 60831-2:1996 Märkus 2.1	19.03.2017
EVS-EN 60947-4-3:2014 Madalpingelised lülitus- ja juhtimisaparaadid. Osa 4-3: Kontaktorid ja mootorikäivitid. Vahelduvvoolu pooljuhtkontrollerid ja -käivitid mitte-mootorkoormustele	17.04.2015	EN 60947-4-3:2000 Märkus 2.1	11.06.2017
EVS-EN 60947-6-1:2005/A1:2014 Madalpingelised lülitus- ja juhtimisaparaadid. Osa 6-1: Multifunktsionaalsed seadmed. Automaatsed ülekandelülitusseadmed	17.04.2015	Märkus 3	17.01.2017
EVS-EN 60968:2013/A11:2014 Sisseehitatud liiteseadisega üldtarbelambid. Ohutusnõuded	17.04.2015	Märkus 3	09.12.2016
EVS-EN 60974-3:2014 Kaarkeevitusseadmed. Osa 3: Kaare süütamis- ja stabiliseerimiseseadmed	17.04.2015	EN 60974-3:2007 Märkus 2.1	31.12.2016
EVS-EN 61008-1:2012/A1:2014 Rikkevoolukaitselülitid ilma sisseehitatud liigvoolukaitseta, kasutamiseks majapidamises ja muudel taolistel juhtudel. Osa 1: Üldreeglid	17.04.2015	Märkus 3	04.08.2017
EVS-EN 61008-1:2012/A2:2014 Rikkevoolukaitselülitid ilma sisseehitatud liigvoolukaitseta, kasutamiseks majapidamises ja muudel taolistel juhtudel. Osa 1: Üldreeglid	17.04.2015	Märkus 3	04.08.2017
EVS-EN 61009-1:2012/A1:2014 Rikkevoolukaitselülitid sisseehitatud liigvoolukaitsega, kasutamiseks majapidamises ja muudel taolistel juhtudel. Osa 1: Üldreeglid	17.04.2015	Märkus 3	04.08.2017
EVS-EN 61009-1:2012/A2:2014 Rikkevoolukaitselülitid sisseehitatud liigvoolukaitsega, kasutamiseks majapidamises ja muudel taolistel juhtudel. Osa 1: Üldreeglid	17.04.2015	Märkus 3	04.08.2017
EVS-EN 61010-2-010:2014 Ohutusnõuded elektriliste mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-010: Erinõuded laboratooriumiseadmetele	17.04.2015	EN 61010-2-010:2003 Märkus 2.1	30.10.2017
EVS-EN 61034-1:2005/A1:2014 Suitsu tiheduse mõõtmine kaablite põletamisel määratletud oludes. Osa 1: Katseaparatuur	17.04.2015	Märkus 3	26.07.2016

EVS-EN 61243-3:2014 Pingealune töö. Pingeindikaatorid. Osa 3: Kahepooluselised madalpingeindikaatorid	17.04.2015	EN 61243-3:2010 Märkus 2.1	13.11.2017
EVS-EN 61347-2-13:2014 Lampide juhtimisseadised. Osa 2-13: Erinõuded valgusdiodmoodulite alalis- või vahelduvvoolutoiteliste juhtimisseadistele	17.04.2015	EN 61347-2-13:2006 Märkus 2.1	08.10.2017
EVS-EN 61534-1:2011/A1:2014 Lattmagistraalsüsteemid. Osa 1: Üldnõuded	17.04.2015	Märkus 3	04.08.2017
EVS-EN 61534-21:2014 Elektrilised jõuliinisüsteemid. Osa 21: Erinõuded seinale või lakke kinnitavatele jõuliinisüsteemidele	17.04.2015	EN 61534-21:2006 Märkus 2.1	24.07.2017
EVS-EN 61534-22:2014 Elektrilised jõuliinisüsteemid. Osa 22: Erinõuded põrandale või põranda alla paigaldatavatele jõuliinisüsteemidele	17.04.2015	EN 61534-22:2009 Märkus 2.1	24.07.2017
EVS-EN 61557-15:2014 Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitstesüsteemide katsetamis-, mõõte- ja seireseadmed. Osa 15: IT-süsteemide isolatsiooniseireseadmete ja IT- süsteemide isolatsioonirikke tuvastamise seadmete funktsionaalse ohutuse nõuded	17.04.2015		
EVS-EN 61730-1:2007/A11:2014 Fotoelektriliste moodulite ohutusnõuded. Osa 1: Konstruktsiooninõuded	17.04.2015	Märkus 3	13.10.2017
EVS-EN 61851-23:2014 Elektrisõidukite juhtivuslik laadimissüsteem. Osa 23: Alalisvoolu-elektrisõidukite laadimisjaamad	17.04.2015		
EVS-EN 61851-24:2014 Elektrisõidukite juhtivuslik laadimissüsteem. Osa 24: Alalisvoolulaadimise kontrolli digitaalkommunikatsioon elektrisõiduki alalisvoolu-laadimisjaama ja elektrisõiduki vahel	17.04.2015		
EVS-EN 61869-4:2014 Mõõtetrafod. Osa 4: Lisanõuded ühitatud trafodele	17.04.2015		
EVS-EN 62035:2014 Lahenduslambid (väljaarvatult luminofoorlambid). Ohutusnõuded	17.04.2015	EN 62035:2000 Märkus 2.1	15.09.2017
EVS-EN 62196-1:2014 Pistikud, pistikupesad, sõiduki-pistikühendused ja sõidukisisendid. Elektrisõidukite juhtivuslik laadimine. Osa 1: Üldnõuded	17.04.2015	EN 62196-1:2012 Märkus 2.1	06.10.2019
EVS-EN 62196-2:2012/A12:2014 Pistikud, pistikupesad, sõiduki-pistikühendused ja sõidukisisendid. Elektrisõidukite juhtivuslik laadimine. Osa 2: Kontaktsõrmedel ja -pesadel põhinevate vahelduvvooluseadiste mõõtmelise ühilduvuse ja vahetatavuse nõuded	17.04.2015	Märkus 3	16.06.2017
EVS-EN 62196-2:2012/A12:2014/AC:2014 Pistikud, pistikupesad, sõiduki-pistikühendused ja sõidukisisendid. Elektrisõidukite juhtivuslik laadimine. Osa 2: Kontaktsõrmedel ja -pesadel põhinevate vahelduvvooluseadiste mõõtmelise ühilduvuse ja vahetatavuse nõuded	17.04.2015		
EVS-EN 62196-3:2014 Pistikud, pistikupesad, sõiduki-pistikühendused ja sõidukisisendid. Elektrisõidukite juhtivuslik laadimine. Osa 3: Kontaktsõrmedel ja -pesadel põhinevate alalisvoolu- ja vahelduvvoolu/alalisvoolu-sõiduki- pistikühenduste mõõtmelise ühilduvuse ja vahetatavuse nõuded	17.04.2015		
EVS-EN 62368-1:2014 Audio-video, info- ja sidetehnikaseadmed. Osa 1: Ohutusnõuded	17.04.2015		
EVS-EN 62626-1:2014 Kapseldatud madalpingelised lülitusaparaadid. Osa 1: Väljapoole IEC 60947-3 käsitusala jäävad kapseldatud lahutuslülitid kaitselahutuse tagamiseks remondi- ja hooldustöödel	17.04.2015		

Märkus 1: Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab, Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teataval erandjuhtudel võib olla ka teisiti.

Märkus 2.1: Uue (või muudetud) standardi reguleerimisala on samasugune nagu asendataval standardil. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

Märkus 3: Muudatuste puhul on viitestandard EN CCCCC:AAAA, vajaduse korral selle varasemad muudatused ja osutatud uus muudatus. Asendatav standard koosneb seega standardist EN CCCCC:AAAA ja vajaduse korral selle varasematest muudatustest, kuid ei hõlma osutatud uut muudatust. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

### **Direktiiv 278/2009** **Välisloiteallikate ökodisaini nõuded** (EL Teataja 2015/C 120/02)

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 vastavuseeldus kaotab kehtivuse Märkus 1
EVS-EN 50563:2011/A1:2013 Välised vahelduvvoolu-alalisvoolu- ja vahelduvvoolu-vahelduvvoolu-toitemuundurid. Tühijooksuvõimsuse ja aktiivtalitlusviiside keskmise kasuteguri määramine	15.04.2015	Märkus 3	30.09.2016

Märkus 1: Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab, Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teataval erandjuhtudel võib olla ka teisiti.

Märkus 3: Muudatuste puhul on viitestandard EN CCCCC:AAAA, vajaduse korral selle varasemad muudatused ja osutatud uus muudatus. Asendatav standard koosneb seega standardist EN CCCCC:AAAA ja vajaduse korral selle varasematest muudatustest, kuid ei hõlma osutatud uut muudatust. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

### **Direktiiv 89/686/EMÜ** **Isikukaitsevahendid** (EL Teataja 2015/C 113/07)

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 vastavuseeldus kaotab kehtivuse Märkus 1
EVS-EN 469:2006 Kaitserõivad tuletoimele. Toimivusnõuded kaitserõivastele tulekustutustöödel	19.04.2006	EN 469:1995 Märkus 2.1	30.06.2006

Märkus 1: Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab, Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teataval erandjuhtudel võib olla ka teisiti.

Märkus 2.1: Uue (või muudetud) standardi reguleerimisala on samasugune nagu asendataval standardil. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.