EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

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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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SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 13943:2017
Fire safety - Vocabulary (ISO 13943:2017)

ISO 13943:2017 defines terminology relating to fire safety as used in ISO and IEC fire standards.

Keel: en
Alusdokumendid: ISO 13943:2017; EN ISO 13943:2017
Asendab dokumenti: EVS-EN ISO 13943:2010

EVS-IEC 60050(702):2001/A1:2017
**Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed
International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD1:2016)**

Muudatus standardile IEC 60050-702:1992.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992/AMD1:2016
Muudab dokumenti: EVS-IEC 60050(702):2001

EVS-IEC 60050(702):2001/A2:2017
**Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed
International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD2:2016)**

Muudatus standardile IEC 60050-702:1992.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992/AMD2:2016
Muudab dokumenti: EVS-IEC 60050(702):2001

EVS-IEC 60050(702):2001+A1+A2
**Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed
International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992 + IEC 60050-702:1992/AMD1:2016 + IEC 60050-702:1992/AMD2:2016)**

Standardi IEC 60050 see osa annab peamised võnkumiste, signaalide ja vastavate seadmete alased terminid.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992; IEC 60050-702:1992/AMD1:2016; IEC 60050-702:1992/AMD2:2016
Konsolideerib dokumenti: EVS-IEC 60050(702):2001
Konsolideerib dokumenti: EVS-IEC 60050(702):2001/A1:2017
Konsolideerib dokumenti: EVS-IEC 60050(702):2001/A2:2017

EVS-IEC 60050(713):2001/A1:2017
**Rahvusvaheline elektrotehnika sõnastik. Osa 713: Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon
International Electrotechnical Vocabulary (IEV) - Chapter 713: Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998/AMD1:2016)**

Muudatus standardile IEC 60050-713:1998.

Keel: et-en
Alusdokumendid: IEC 60050-713:1998/AMD1:2016
Muudab dokumenti: EVS-IEC 60050(713):2001

EVS-IEC 60050(713):2001+A1:2017
**Rahvusvaheline elektrotehnika sõnastik. Osa 713: Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon
International Electrotechnical Vocabulary (IEV) - Chapter 713: Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998 + IEC 60050-713:1998/AMD1:2016)**

Käesolev Eesti standard on koostatud rahvusvahelise standardi IEC 60050(713):1998 “International Electrotechnical Vocabulary Chapter 713: Radiocommunication: transmitters, receivers, networks and operation” alusel.

Keel: et-en

Alusdokumendid: IEC 60050-713:1998; IEC 60050-713:1998/AMD1:2016
Konsolideerib dokumenti: EVS-IEC 60050(713):2001
Konsolideerib dokumenti: EVS-IEC 60050(713):2001/A1:2017

EVS-IEC 60050-161:2015/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 6:2016)

Muudatus standardile IEC 60050-161:1990.

Keel: et-en
Alusdokumendid: IEC 60050-161:1990/AMD6:2016
Muudab dokumenti: EVS-IEC 60050-161:2015

EVS-IEC 60050-161:2015+A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161:1990 +IEC 60050-161/Amd 1:1997 +IEC 60050-161/Amd 2:1998 +IEC 60050-161/Amd 3:2014 +IEC 60050-161/Amd 4:2014 +IEC 60050-161/Amd 5:2015 +IEC 60050-161/Amd 6:2016)

See IEC 60050 osa annab elektromagnetilise ühilduvuse valdkonnas kasutatava terminoloogia (nt “elektromagnetiline keskkond”, “elektromagnetiline häiring”, “elektromagnetiline häire”, “häiringutaluvus”, “häire piirtase”, jne.). Sellel on horisontaalse standardi staatus vastavuses IEC juhendile IEC Guide 108.

Keel: et-en
Alusdokumendid: IEC 60050-161:1990; IEC 60050-161/Amd 1:1997; IEC 60050-161/Amd 2:1998; IEC 60050-161/Amd 3:2014; IEC 60050-161/Amd 4:2014; IEC 60050-161/Amd 5:2015; IEC 60050-161:1990/AMD6:2016
Konsolideerib dokumenti: EVS-IEC 60050-161:2015
Konsolideerib dokumenti: EVS-IEC 60050-161:2015/A1:2017

EVS-ISO 5127:2017

Informatsioon ja dokumentatsioon. Põhialused ja sõnastik
Information and documentation - Foundation and vocabulary (ISO 5127:2017)

See standard esitab informatsiooniala osaks oleva dokumentatsiooni valdkonna mõistesüsteemi ja üldise sõnastiku. Selle koostamisel on püütud peamisi töövaldkondi ühtlaselt käsitleda. Nendeks on dokumenteerimine, raamatukogud, arhiivid, meedia, muuseumid, dokumendihaldus, konserveerimine, samuti ka dokumenteerimise õiguslikud asjaolud. Selles standardis esitatud sõnastiku käsitlusala vastab ISO/TC 46 omale: tegevuste standardimine raamatukogude, dokumentatsiooni- ja infokeskuste, kirjastamise, arhiivide, dokumendihalduse, muuseumi dokumentatsiooni, indekseerimise ja refereerimisteenuste ja infoteaduse suunal.

Keel: en
Alusdokumendid: ISO 5127:2017
Asendab dokumenti: EVS-ISO 5127:2004

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

CWA 17185:2017

Methodology to measure and improve the resource efficiency of resource intensive processes

This European CWA specifies a cross-sectorial methodology for identifying, characterizing and implementing a set of indicators whose purpose it is to enable an organization to improve the resource use efficiency of a process or the impacts associated with the consumption of these resources. It specifies a methodology applicable to resource use and consumption efficiency, including measurement, performance and optimization, and applies to all industries, but particularly to the resource-intensive process industry. This European CWA has been designed to be used independently, but it can be aligned or integrated with other standards or management systems. This European CWA also provides, in Annex A, informative guidance on its use.

Keel: en
Alusdokumendid: CWA 17185:2017

EVS 914:2012/AC:2017

Koristuse kvaliteedi kokku leppimine ja hindamine
Cleaning quality - System for establishing and assessing cleaning quality

Standardi EVS 914:2012 parandus.

Keel: et
Parandab dokumenti: EVS 914:2012

11 TERVISEHOOLDUS

EVS-EN ISO 18082:2014/A1:2017

Anaesthetic and respiratory equipment - Dimensions of non-interchangeable screw-threaded (NIST) low-pressure connectors for medical gases - Amendment 1 (ISO 18082:2014/Amd 1:2017)

Amendment for EN ISO 18082:2014

Keel: en
Alusdokumendid: ISO 18082:2014/Amd 1:2017; EN ISO 18082:2014/A1:2017
Muudab dokumenti: EVS-EN ISO 18082:2014

EVS-EN ISO 21987:2017

Oftalmiline optika. Paigaldatud prilliläätsed
Ophthalmic optics - Mounted spectacle lenses (ISO 21987:2017)

ISO 21987:2017 specifies requirements and test methods for mounted spectacle lenses relative to the prescription order.

Keel: en
Alusdokumendid: ISO 21987:2017; EN ISO 21987:2017
Asendab dokumenti: EVS-EN ISO 21987:2009

EVS-EN ISO 22112:2017

Dentistry - Artificial teeth for dental prostheses (ISO 22112:2017)

ISO 22112:2017 specifies the classification, requirements, and test methods for artificial teeth such as ceramic teeth and polymer teeth that are industrially manufactured for use in dental prostheses.

Keel: en
Alusdokumendid: ISO 22112:2017; EN ISO 22112:2017
Asendab dokumenti: EVS-EN ISO 22112:2006

EVS-EN ISO 6710:2017

Single-use containers for human venous blood specimen collection (ISO 6710:2017)

ISO 6710:2017 specifies requirements and test methods for evacuated and non-evacuated single-use venous blood specimen containers. It does not specify requirements for blood collection needles, needle holders, blood culture receptacles or "arterial" blood gas collection devices that can be used for venous blood.

Keel: en
Alusdokumendid: ISO 6710:2017; EN ISO 6710:2017
Asendab dokumenti: EVS-EN 14820:2004

EVS-EN ISO 8980-1:2017

Ophthalmic optics - Uncut finished spectacle lenses - Part 1: Specifications for single-vision and multifocal lenses ((ISO 8980-1:2017)

ISO 8980-1:2017 specifies requirements and verification methods for the optical and geometrical properties for uncut finished single-vision and multifocal spectacle lenses.

Keel: en
Alusdokumendid: ISO 8980-1:2017; EN ISO 8980-1:2017
Asendab dokumenti: EVS-EN ISO 8980-1:2004

EVS-EN ISO 8980-2:2017

Ophthalmic optics - Uncut finished spectacle lenses - Part 2: Specifications for power-variation lenses (ISO 8980-2:2017)

ISO 8980-2:2017 specifies requirements and verification methods for the optical and geometrical properties for uncut finished power-variation lenses.

Keel: en
Alusdokumendid: ISO 8980-2:2017; EN ISO 8980-2:2017
Asendab dokumenti: EVS-EN ISO 8980-2:2004
Asendab dokumenti: EVS-EN ISO 8980-2:2004/AC:2013

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CLC/TS 50661-1:2017

Alarm systems - External perimeter security systems - Part 1: System requirements

This Technical Specification specifies the requirements for security systems to provide detection of intruders in external areas outside enclosed buildings. For enclosed buildings EN 50131-1 should be applied. CLC/TS 50661-1 may be used for unenclosed buildings such as roofed storage areas where an intruder and hold-up alarm system is not suitable. This Technical Specification

specifies performance requirements for installed EPSS but does not include requirements for designing, planning, installation, operation or maintenance. These requirements also apply to EPSS sharing means of detection, interconnection, control, communication and power supplies with other applications. This Technical Specification references requirements for system components according to the environment where they are expected to operate as designed. These environmental conditions are classified. This Technical Specification does not deal with requirements for compliance with EC regulatory Directives, such as the RED Directive, EMC Directive, Low Voltage Directive, etc. except that it specifies the equipment operating conditions for EMC susceptibility testing as required by EN 50130-4.

Keel: en
Alusdokumendid: CLC/TS 50661-1:2017

CWA 17185:2017

Methodology to measure and improve the resource efficiency of resource intensive processes

This European CWA specifies a cross-sectorial methodology for identifying, characterizing and implementing a set of indicators whose purpose it is to enable an organization to improve the resource use efficiency of a process or the impacts associated with the consumption of these resources. It specifies a methodology applicable to resource use and consumption efficiency, including measurement, performance and optimization, and applies to all industries, but particularly to the resource-intensive process industry. This European CWA has been designed to be used independently, but it can be aligned or integrated with other standards or management systems. This European CWA also provides, in Annex A, informative guidance on its use.

Keel: en
Alusdokumendid: CWA 17185:2017

EVS-EN 16750:2017

Paiksed tulekustutussüsteemid. Hapniku vähendamise süsteemid. Projekteerimine, paigaldamine, planeerimine ja hooldus
Fixed firefighting systems - Oxygen reduction systems - Design, installation, planning and maintenance

This European standard specifies oxygen reduction systems that are used as fire prevention systems by creating an atmosphere in an area which is having a lower permanent oxygen concentration as in ambient conditions. The level of oxygen reduction is defined by the individual risks of these areas (see Annex A). Oxygen reduction is achieved by technical systems which are providing a flux of air containing a reduced concentration of oxygen. This European standard specifies minimum requirements and defines the specifications governing the design, installation and maintenance of fixed oxygen reduction systems with oxygen reduced air in buildings and industrial production plants. The standard also applies to the extension and modification of existing systems. This European standard applies to oxygen reduction systems using nitrogen which are designed for continual oxygen reduction in enclosed spaces. NOTE Nitrogen is today the most suitable gas to be used for oxygen reduction. For other gases this European standard can be used as basis. This European standard does not apply to oxygen reduction systems that use water mist or combustion gases. The European standard does not apply to: - explosion suppression systems; - explosion prevention systems; - fire extinguishing systems using gaseous extinguishing agents; - inertization of portable containers; - systems in which oxygen levels are reduced for reasons other than fire prevention (e.g. steel processing in the presence of inert gas to avoid the formation of oxide film); - inerting required during repair work on systems or equipment (e.g. welding) in order to eliminate the risk of fire or explosion. In addition to the conditions for the actual oxygen reduction system and its individual components this European standard also covers certain structural specifications for the protected area. The space protected by an oxygen reduction system is a controlled and continuously monitored indoor climate for extended occupation. This standard does not cover unventilated confined spaces that may contain hazardous gases.

Keel: en
Alusdokumendid: EN 16750:2017

EVS-EN ISO 13943:2017

Fire safety - Vocabulary (ISO 13943:2017)

ISO 13943:2017 defines terminology relating to fire safety as used in ISO and IEC fire standards.

Keel: en
Alusdokumendid: ISO 13943:2017; EN ISO 13943:2017
Asendab dokumenti: EVS-EN ISO 13943:2010

EVS-EN ISO 20349-2:2017

Isikukaitsevahendid. Kaitsvad jalatsid valu- ja keevitustöödel. Osa 2: Keevitus- ja seonduvate protsesside riskide eest kaitsvate jalatsite nõuded ja katsemeetodid
Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO 20349-2:2017)

ISO 20349-2:2017 specifies requirements and test methods for footwear protecting users against risks, such as those encountered in welding and allied process. Footwear complying with this document also offers other protection as defined in ISO 20345.

Keel: en
Alusdokumendid: ISO 20349-2:2017; EN ISO 20349-2:2017
Asendab dokumenti: EVS-EN ISO 20349:2010

EVS-ISO 11352:2017

Vee kvaliteet. Määramatuse hindamine valideerimise ja kvaliteedikontrolli andmeid kasutades Water quality - Estimation of measurement uncertainity based on validation and quality control data (ISO 11352:2012)

See rahvusvaheline standard kirjeldab keemilistele ja füüsikalis-keemilistele meetoditele mõõtemääramatuse hindamise protseduuri, mis põhineb ühe labori valideerimise andmetel ja kvaliteedikontrolli tulemustel vee analüüside valdkonnas. MÄRKUS 1 Selles rahvusvahelises standardis kasutusel olevad mõõtemääramatuse hindamise põhimõtted on kooskõlas põhimõtetega, mis kirjeldatud juhendis ISO/IEC Guide 98-3. Selles standardis toetub mõõtemääramatuse kvantifitseerimine mõõtmismeetodi suutlikkus-parameetritele, mis on saadud valideerimisel ning väliste ja sisemiste kvaliteedikontrollide tulemusel. MÄRKUS 2 Selles standardis kirjeldatud lähenemine põhineb peamiselt juhenditel QUAM[11], NEN 7779[8], Nordtest TR 537[10] ja Eurolab TR 1[9]. MÄRKUS 3 See standard on ette nähtud mõõtemääramatuse hindamiseks tulemustele, mis on saadud kvantitatiivsete analüüsimeetoditega. Käsitletud ei ole määramatusi, mis on saadud kvalitatiivsete protseduuridega

Keel: en, et
Alusdokumendid: ISO 11352:2012

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 62754:2017

Computation of waveform parameter uncertainties

IEC 62754:2017 This document specifies methods for the computation of the temporal and amplitude parameters and their associated uncertainty for step-like and impulse-like waveforms. This document is applicable to any and all industries that generate, transmit, detect, receive, measure, and/or analyse these types of pulses.

Keel: en
Alusdokumendid: IEC 62754:2017; EN 62754:2017

19 KATSETAMINE

CEN/TS 17100:2017

Non-destructive testing - Penetrant testing - Reference photographs and sizing of indications

This document specifies minimum requirements in order to obtain and reproduce photographs used as reference records relative to PT (penetrant testing) colour contrast and fluorescent indications. It also provides requirements for the monitoring of resolution when measurements are to be indirectly performed by recording.

Keel: en
Alusdokumendid: CEN/TS 17100:2017

EVS-EN ISO 18563-2:2017

Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 2: Probes (ISO 18563-2:2017)

ISO 18563-2:2017 specifies the characterization tests performed at the end of the fabrication of a phased array probe. It defines both methodology and acceptance criteria. ISO 18563-2:2017 is applicable to the following phased array probes used for ultrasonic non-destructive testing in contact technique (with or without a wedge) or in immersion technique, with centre frequencies in the range 0,5 MHz to 10 MHz: a) non-matrix array probes: - linear; - encircling; - partial annular sectorial (type "daisy"); b) 2D-matrix array probes. ISO 18563-2:2017 does not give methods and acceptance criteria to characterize the performance of an ultrasonic phased array instrument or the performance of a combined system. These are given in ISO 18563?1 and in ISO 18563?3.

Keel: en
Alusdokumendid: ISO 18563-2:2017; EN ISO 18563-2:2017
Asendab dokumenti: EVS-EN 16392-2:2014

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 12080:2017

Railway applications - Axleboxes - Rolling bearings

This European Standard specifies the quality parameters of axlebox rolling bearings supporting the 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: EN 12080:2017
Asendab dokumenti: EVS-EN 12080:2008+A1:2010

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 13445-3:2016+A2:2016/A3:2017

Leekkuumutuseta surveanumad. Osa 3: Kavandamine

Unfired pressure vessels - Part 3: Design

This Part of this European Standard specifies requirements for the design of unfired pressure vessels covered by EN 13445-1:2009 and constructed of steels in accordance with EN 13445-2:2009. EN 13445-5:2009, Annex C specifies requirements for the design of access and inspection openings, closing mechanisms and special locking elements. NOTE This Part applies to design of vessels before putting into service. It may be used for in service calculation or analysis subject to appropriate adjustment.

Keel: en
Alusdokumendid: EN 13445-3:2014/A3:2017
Muudab dokumenti: EVS-EN 13445-3:2016+A2:2016

EVS-EN 13771-2:2017

Compressors and condensing units for refrigeration - Performance testing and test methods - Part 2: Condensing units

This European Standard applies only to condensing units for refrigeration and describes a number of selected performance test methods. These methods provide sufficiently accurate results for the determination of the refrigerating capacity, power absorbed, refrigerant mass flow and the coefficient of performance. This European Standard applies only to performance tests conducted at the manufacturer's works or wherever the instrumentation and load stability for testing to the accuracy required is available.

Keel: en
Alusdokumendid: EN 13771-2:2017
Asendab dokumenti: EVS-EN 13771-2:2007

EVS-EN 1993-4-2:2007/A1:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3 - Design of steel structures - Part 4-2: Tanks

Muudatus standardile EVS-EN 1993-4-2:2007

Keel: en, et
Alusdokumendid: EN 1993-4-2:2007/A1:2017
Muudab dokumenti: EVS-EN 1993-4-2:2007

EVS-EN 1993-4-2:2007/NA:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa
Eurocode 3: Design of steel structuresPart 4-2: TanksEstonian National Annex

Rahvuslik lisa standardile EN 1993-4-2:2007 ja selle muudatusele EN 1993-4-2:2007/A1:2017

Keel: et, en
Asendab dokumenti: EVS-EN 1993-4-2/NA:2010
Täiendab rahvuslikult dokumenti: EVS-EN 1993-4-2:2007
Täiendab rahvuslikult dokumenti: EVS-EN 1993-4-2:2007/A1:2017

EVS-EN 1993-4-2:2007+A1:2017+NA:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3: Design of steel structures - Part 4-2: Tanks

(1) Eurokoodeksi 3 osas 4-2 on toodud eeskirjad ja rakendusjuhised vedelike ladustamiseks ette nähtud maapealsete püstsilindriliste, kooniliste ja alusele toetatud terasmahutite projekteerimiseks järgmiste iseloomulike tunnustega: a) mahutid, mahuga üle 100 m3 (100 000 liitrit); b) mahutid, mis suures osas monteeritakse kohapeal; c) tehases valmistatud kooniliste põhjadega mahutid, mis toetuvad suletud lehttoele või postidele; d) mahutid, mille vedeliku nivoo kohal olevas ruumis ei ole manomeetrirõhk negatiivse väärtuse korral üle −0,1 bar ja positiivse väärtuse korral ei ole see üle 0,5 bar1); e) metalli projekttemperatuur on piiratud alljärgnevalt: 1) mahutid tavalistest konstruktsiooniterase klassidest, −50 °C < T < +300 °C; 2) mahutid austeniitsest roostevabast terasest, −165 °C < T < +300 °C; 3) mahutid spetsiaalsetest teraseklassidest, millel on määratletud voolavuspiir kõrgematel temperatuuridel, −165 °C < T < maksimaalne määratletud temperatuur vastavale klassile; 4) mahutid, millel võib olla väsimuspurunemise oht, T < 150 °C; f) silindrilistel maapinnale toetatud mahutitel ei ole maksimaalne arvutuslik vedeliku nivoo kõrgemal silindrilise kooriku ülaservast. (2) Käesolev standardi osa 4.2 keskendub ainult terasest vedelikumahutite vastupanu ja stabiilsuse nõuetele. Muud nõuded on hõlmatud standardiga EN 14015 mahutite keskkonnatemperatuuri osas, standardiga EN 14620 külmatootvate mahutite osas ja standardiga EN 1090 valmistamise ja montaaži kaalutluste osas. Need muud nõuded käsitlevad vundamente ja vajumisi, valmistamist, montaaži ja katsetamist, funktsionaalseid omadusi ning sissepääsuavade, flantside ja täitmisseadmete tüüpi detaile. (3) Seismoprojekteerimist käsitlevad erinõuded on esitatud standardis EN 1998-4 (eurokoodeksi 8 osa 4 “Konstruktsioonide projekteerimine maavärinale vastupanemiseks: Puiste- ja vedelikumahutid ning torujuhtmed”) , mis täiendab ja kohaldab eurokoodeksi 3 tingimusi spetsiaalselt selleks tarbeks. (4) Vedelikumahuti toekonstruktsioonide projekteerimist käsitleb EN 1993-1-1. (5) Terasest vedelikumahutite alumiiniumkatuste projekteerimist käsitleb EN 1999-1-5. (6) Terasest mahutite raudbetoonvundamente käsitlevad EN 1992 ja EN 1997. (7) Terasest vedelikumahutite projekteerimisel arvestatavate spetsiifiliste koormuste arvsuurused on antud standardis EN 1991-4 „Puiste- ja vedelikumahutite koormused”. Täiendavaid tingimusi vedelikumahutite jaoks on antud eurokoodeksi 3 käesoleva osa 4.2 lisas A. (8) See standardiosa 4-2 ei käsitle — plaanis ristkülikulisi mahuteid; — mahuteid mahutavusega alla 100 m3; — mahuteid tulekahjutingimustes (vt EN 1993-1-2); — kumerate otstega ja alla 5 m diameetriga mahuteid; — silindrilisi mahuteid, mille kõrguse ja diameetri suhe on suurem kui 3. (9) Käesoleva standardiga hõlmatud plaanis ringikujulised mahutid on piiratud telgsümmeetriliste konstruktsioonidega, kuid neile rakendatud koormused võivad olla ebasümmeetrilised ning nende toed võivad olla ebasümmeetrilised.

Keel: et, en

Alusdokumendid: EN 1993-4-2:2007; EVS-EN 1993-4-2:2007/AC:2009; EVS-EN 1993-4-2:2007/prNA; EN 1993-4-2:2007/A1:2017
Asendab dokumenti: EVS-EN 1993-4-2:2007+NA:2010
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007/A1:2017
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007/AC:2009
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007/NA:2017

EVS-EN ISO 10156:2017

Gas cylinders - Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2017)

ISO 10156:2017 specifies methods for determining whether or not a gas or gas mixture is flammable in air and whether a gas or gas mixture is more or less oxidizing than air under atmospheric conditions. ISO 10156:2017 is intended to be used for the classification of gases and gas mixtures including the selection of gas cylinder valve outlets. ISO 10156:2017 does not cover the safe preparation of these mixtures under pressure and at temperatures other than ambient.

Keel: en
Alusdokumendid: ISO 10156:2017; EN ISO 10156:2017
Asendab dokumenti: EVS-EN ISO 10156:2010
Asendab dokumenti: EVS-EN ISO 10156:2010/AC:2010

EVS-EN ISO 15996:2017

Gas cylinders - Residual pressure valves - Specification and type testing of cylinder valves incorporating residual pressure devices (ISO 15996:2017)

ISO 15996:2017 specifies design, type testing and marking requirements for cylinder valves incorporating residual pressure devices, hereinafter referred to as residual pressure valves (RPVs). This document applies to the following types of RPVs: a) cylinder valves intended to be fitted to refillable transportable gas cylinders; b) main valves (excluding ball valves) for cylinder bundles; c) cylinder valves or main valves with integrated pressure regulator (VIPR); d) valves for pressure drums and tubes; which convey compressed or liquefied gases. NOTE Where there is no risk of ambiguity, cylinders, pressure drums, tubes and cylinder bundles are addressed with the collective term "cylinder" within this document. These requirements are in addition to those in ISO 10297. For RPD stand-alone devices this document can also be applied. ISO 15996:2017 does not apply to RPVs for portable fire extinguishers, cryogenic equipment, low pressure refrigerant gases (cylinder test pressure less than 50 bar), dissolved gases or liquefied petroleum gas (LPG).

Keel: en
Alusdokumendid: ISO 15996:2017; EN ISO 15996:2017
Asendab dokumenti: EVS-EN ISO 15996:2005
Asendab dokumenti: EVS-EN ISO 15996:2005/A1:2008

25 TOOTMISTEHNOLOOGIA

EVS-EN 4729:2017

Aerospace series - Trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys

This European Standard specifies trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys. It covers the application by bath but also by touch-up. It doesn’t give complete in-house process instructions; these shall be given in the manufacturers detailed process instructions.

Keel: en
Alusdokumendid: EN 4729:2017

EVS-EN ISO 20274:2017

Vitreous and porcelain enamels - Preparation of samples and determination of thermal expansion coefficient (ISO 20274:2017)

ISO 20274:2017 specifies the procedures for the preparation of enamel samples for measurement of the thermal length change and calculation of the thermal expansion coefficient.

Keel: en
Alusdokumendid: ISO 20274:2017; EN ISO 20274:2017

EVS-EN ISO 2082:2017

Metallic and other inorganic coatings - Electroplated coatings of cadmium with supplementary treatments on iron or steel (ISO 2082:2017)

ISO 2082:2017 specifies the requirements of electroplated coatings of cadmium with supplementary treatments on iron and steel. It includes information that is to be supplied by the purchaser to the electroplater, and describes coating requirements, including those for heat treatment before and after electroplating. It is not applicable to coatings applied - to sheet, strip or wire in the non-fabricated form, - to close-coiled springs, or - for purposes other than protective, intrinsic lubricity, ductility, electrical conductivity and low contact resistance use. ISO 2082:2017 does not specify requirements for the surface condition of the basis metal prior to electrodeposition with cadmium. The coating thickness that can be applied to threaded components can be limited by dimensional

requirements, including class or fit. Additional information on corrosion resistance, rinsing and drying, processing parts in bulk and dyeing of chromate conversion coatings is given in Annex C.

Keel: en
Alusdokumendid: ISO 2082:2017; EN ISO 2082:2017
Asendab dokumenti: EVS-EN ISO 2082:2009

EVS-EN ISO 2360:2017

Non-conductive coatings on non-magnetic electrically conductive base metals - Measurement of coating thickness - Amplitude-sensitive eddy-current method (ISO 2360:2017)

ISO 2360:2017 specifies a method for non-destructive measurements of the thickness of non-conductive coatings on non-magnetic electrically conductive base metals, using amplitude-sensitive eddy-current instruments. In ISO 2360:2017, the term "coating" is used for materials such as, for example, paints and varnishes, electroplated coatings, enamel coatings, plastic coatings, claddings and powder coatings. This method is particularly applicable to measurements of the thickness of most oxide coatings produced by anodizing, but is not applicable to all conversion coatings, some of which are too thin to be measured by this method (see Clause 6). This method can also be used to measure non-magnetic metallic coatings on non-conductive base materials. However, the phase-sensitive eddy-current method specified in ISO 21968 is particularly usable to this application and can provide thickness results with a higher accuracy (see Annex A). This method is not applicable to measure non-magnetic metallic coatings on conductive base metals. The phase-sensitive eddy-current method specified in ISO 21968 is particularly useful for this application. However, in the special case of very thin coatings with a very small conductivity, the amplitude-sensitive eddy-current method can also be used for this application (see Annex A). Although the method can be used for measurements of the thickness of coatings on magnetic base metals, its use for this application is not recommended. In such cases, the magnetic method specified in ISO 2178 can be used. Only in case of very thick coatings above approximately 1 mm, the amplitude-sensitive eddy-current method can also be used for this application (see Annex A).

Keel: en
Alusdokumendid: ISO 2360:2017; EN ISO 2360:2017
Asendab dokumenti: EVS-EN ISO 2360:2004

27 ELEKTRI- JA SOOJUSENERGEETIKA

CLC/TS 61400-14:2017

Wind turbines - Part 14: Declaration of apparent sound power level and tonality values

Gives guidelines for declaring the apparent sound power level and tonality of a batch of wind turbines. Is to be used in conjunction with IEC 61400-11 which gives measurement procedures for apparent sound power level and tonality. This publication is of high relevance for Smart Grid.

Keel: en
Alusdokumendid: IEC/TS 61400-14:2005; CLC/TS 61400-14:2017

CLC/TS 61400-26-1:2017

Wind turbines - Part 26-1: Time-based availability for wind turbine generating systems

IEC 61400-26-1:2011(E) defines generic information categories to which fractions of time can be assigned for a wind turbine generating system (WTGS) considering internal and external conditions based on fraction of time and specifying the following: - generic information categories of a WTGS considering availability and other performance indicators; - information category priority in order to discriminate between concurrent categories; - entry and exit point for each information category in order to allocate designation of time; - informative annexes providing various examples.

Keel: en
Alusdokumendid: IEC/TS 61400-26-1:2011; CLC/TS 61400-26-1:2017

CLC/TS 61400-26-2:2017

Wind turbines - Part 26-2: Production-based availability for wind turbines

IEC TS 61400-26-2:2014 provides a framework from which production-based performance indicators of a wind turbine generator system can be derived. It unambiguously describes how data is categorised and provides examples of how the data can be used to derive performance indicators. The approach of this part of IEC 61400 is to expand the time allocation model, introduced in IEC TS 61400-26-1, with two additional layers for recording of the actual energy production and potential energy production associated with the concurrent time allocation. This document also includes informative annexes with: - examples of determination of lost production, - examples of algorithms for production-based indicators, - examples of other performance indicators, - examples of application scenarios.

Keel: en
Alusdokumendid: IEC/TS 61400-26-2:2014; CLC/TS 61400-26-2:2017

CLC/TS 61400-26-3:2017

Wind energy generation systems - Part 26-3: Availability for wind power stations

IEC TS 61400-26-3:2016(E) provides a framework from which time-based and production-based availability indicators of a wind power station can be derived. It unambiguously describes how data is categorised and provides examples of how the data can be used to derive availability indicators. The approach is to apply the terms and definitions for the applied information models introduced in IEC TS 61400-26-1 and IEC TS 61400-26-2 to a wind power station.

Keel: en

Alusdokumendid: IEC/TS 61400-26-3:2016; CLC/TS 61400-26-3:2017

EVS-EN 13771-2:2017

Compressors and condensing units for refrigeration - Performance testing and test methods - Part 2: Condensing units

This European Standard applies only to condensing units for refrigeration and describes a number of selected performance test methods. These methods provide sufficiently accurate results for the determination of the refrigerating capacity, power absorbed, refrigerant mass flow and the coefficient of performance. This European Standard applies only to performance tests conducted at the manufacturer's works or wherever the instrumentation and load stability for testing to the accuracy required is available.

Keel: en
Alusdokumendid: EN 13771-2:2017
Asendab dokumenti: EVS-EN 13771-2:2007

EVS-EN 50380:2017

Marking and documentation requirements for Photovoltaic Modules

This European Standard describes marking, including nameplate and documentation requirements for non-concentrating photovoltaic modules. This European Standard provides mandatory information that needs to be included in the product documentation or affixed to the product to ensure safe and proper use. Best practices are included in this document giving guidance on additional information, for example module's performance at different irradiance levels. Markings, including nameplates, are permanently affixed information on the PV modules, which indelibly states the rating and other information as required by the relevant standard for safe use and maintenance. While, documentation information is a technical description separate from the photovoltaic module. This European Standard is based on IEC and EN standards defining marking, nameplate and documentation requirements for PV modules.

Keel: en
Alusdokumendid: EN 50380:2017
Asendab dokumenti: EVS-EN 50380:2003

EVS-EN 60904-1-1:2017

Photovoltaic devices - Part 1-1: Measurement of current-voltage characteristics of multi-junction photovoltaic (PV) devices

IEC 60904-1-1:2017 describes procedures for the measurement of the current-voltage characteristics of multi-junction photovoltaic devices in natural or simulated sunlight. It is applicable to single PV cells, sub-assemblies of such cells or entire PV modules. It is principally intended for non-concentrating devices, but parts may be applicable also to concentrating multi-junction PV devices. An essential prerequisite is the spectral responsivity of the multi-junction devices, whose measurement is covered by IEC 60904-8-1.

Keel: en
Alusdokumendid: IEC 60904-1-1:2017; EN 60904-1-1:2017

EVS-EN 60904-8-1:2017

Photovoltaic devices - Part 8-1: Measurement of spectral responsivity of multi-junction photovoltaic (PV) devices

IEC 60904-8-1:2017 gives guidance for the measurement of the spectral responsivity of multi-junction photovoltaic devices. It is principally intended for non-concentrating devices, but parts may be applicable also to concentrating multi-junction PV devices. The SR is required for analysis of measured current-voltage characteristics of multi-junction PV devices as described in IEC 60904-1-1.

Keel: en
Alusdokumendid: IEC 60904-8-1:2017; EN 60904-8-1:2017

EVS-EN 62256:2017

Hydraulic turbines, storage pumps and pump-turbines - Rehabilitation and performance improvement

IEC 62256:2017 covers turbines, storage pumps and pump-turbines of all sizes and of the following types: Francis; Kaplan; propeller; Pelton (turbines only) and bulb turbines. This document also identifies without detailed discussion, other powerhouse equipment that could affect or be affected by a turbine, storage pump, or pump-turbine rehabilitation. The object of this document is to assist in identifying, evaluating and executing rehabilitation and performance improvement projects for hydraulic turbines, storage pumps and pump-turbines. This document can be used by owners, consultants, and suppliers to define: needs and economics for rehabilitation and performance improvement; scope of work; specifications and evaluation of results. This document is intended to be: an aid in the decision process; an extensive source of information on rehabilitation; an identification of the key milestones in the rehabilitation process; and identification of the points to be addressed in the decision processes. This document is not intended to be a detailed engineering manual nor a maintenance document. This second edition cancels and replaces the first edition published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: Tables 2 to 23 modified, completed and moved to Annex A; 7.3.2: subclauses moved with text changes; new subclauses on temperature, noise, galvanic corrosion, galling and replacement of components without assessment; 7.3.3: complete new subclause on residual life; Tables 29 to 32 moved to Annex C; New Annex B with assessment examples.

Keel: en

Alusdokumendid: IEC 62256:2017; EN 62256:2017
Asendab dokumenti: EVS-EN 62256:2008

29 ELEKTROTEHNIKA

EVS-EN 62271-100:2009/A2:2017

High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers

Amendment for EN 62271-100:2009

Keel: en
Alusdokumendid: IEC 62271-100:2008/A2:2017; EN 62271-100:2009/A2:2017
Muudab dokumenti: EVS-EN 62271-100:2009

EVS-EN 62561-3:2017

Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps (ISG)

IEC 62561-3:2017(E) specifies the requirements and tests for isolating spark gaps (ISG) for lightning protection systems. ISGs can be used to indirectly bond a lightning protection system to other nearby metalwork where a direct bond is not permissible for functional reasons. This second edition cancels and replaces the first edition, published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition. - a new classification has been added related to ISGs location installation; - an updated flow chart of tests has been developed.

Keel: en
Alusdokumendid: IEC 62561-3:2017; EN 62561-3:2017
Asendab dokumenti: EVS-EN 62561-3:2012

EVS-HD 60364-7-705:2007/A12:2017

Madalpingelised elektripaigaldised. Osa 7-705: Nõuded eripaigaldistele ja -paikadele. Põllundus- ja aiandusehitised
Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises

Standardi EVS-HD 60364-7-705:2007 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-705:2007/A12:2017
Muudab dokumenti: EVS-HD 60364-7-705:2007
Muudab dokumenti: EVS-HD 60364-7-705:2007+A11:2013

EVS-HD 60364-7-705:2007+A11+A12

Madalpingelised elektripaigaldised. Osa 7-705: Nõuded eripaigaldistele ja -paikadele. Põllundus- ja aiandusehitised
Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises (IEC 60364-7-705:2006, modified)

Harmoneerimisdokumendi HD 60364 käesoleva osa nõudeid kohaldatakse kohtkindlatele elektripaigaldistele põllundus- ja aiandusehitiste siseruumides ja vabas õhus. Mõnda nõuetest kohaldatakse ka muudele paigaldistele, mis on põllundus- ja aiandusehitiste juurde kuuluvates üldistes ehitistes. Kodumajapidamise või nendega sarnased ruumid, paigad ja alad ei ole haaratud käesoleva standardiga. Kui mõni osa 705 eraldi nõue on kohaldatav ka eluruumidele ja muudele paikadele samasugustes üldistes ehitistes, on see öeldud normatiivtekstis.

Keel: en, et
Alusdokumendid: IEC 60364-7-705:2006; HD 60364-7-705:2007; HD 60364-7-705:2007/AC:2008; HD 60364-7-705:2007/A11:2012; HD 60364-7-705:2007/A12:2017
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007/A11:2013
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007/A12:2017
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007/AC:2008

EVS-HD 60364-7-709:2009/A11:2017

Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations

Standardi EVS-HD 60364-7-709:2009 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-709:2009/A11:2017
Muudab dokumenti: EVS-HD 60364-7-709:2009
Muudab dokumenti: EVS-HD 60364-7-709:2009+A1:2012

EVS-HD 60364-7-709:2009+A1+A11

Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations (IEC 60364-7-709:2007+A1:2012)

HD 60364 käesolevas osas kirjeldatud üksikasjalised nõuded kehtivad ainult vooluahelate kohta, mis on ette nähtud huvisõidualuste või veesõidukelamute toiteks huvisõidusadamates ja muudes samalaadsetes paikades. MÄRKUS 1 Käesolevas osas tähendab huvisõidusadam edaspidi nii huvisõidusadamat kui ka muid samalaadseid paiku. Üksikasjalikud nõuded ei kehti majutusjahtide kohta, kui neid toidetakse otse avalikust elektrivõrgust. Üksikasjalikud nõuded ei kehti lõbusõidualuste või majutusjahtide sisemiste elektripaigaldiste kohta. MÄRKUS 2 Huvisõidualuste elektripaigaldiste kohta vt EN 60092-507. MÄRKUS 3 Veesõidukelamute elektripaigaldised peavad vastama HD 60364 üldnõuetele koos HD 60364-7 asjakohaste üksikasjaliste nõuetega. Huvisõidusadamate ja muude samalaadsete paikade ülejäänud elektripaigaldiste kohta kehtivad HD 60364 üldnõuded koos HD 60364-7 asjakohaste üksikasjaliste nõuetega.

Keel: en, et
Alusdokumendid: IEC 60364-7-709:2007; IEC 60364-7-709:2007/A1:2012; HD 60364-7-709:2009; HD 60364-7-709:2009/AC:2010; HD 60364-7-709:2009/A1:2012; HD 60364-7-709:2009/A1:2012/AC:2012; HD 60364-7-709:2009/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/A1:2012
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/A1:2012/AC:2012
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/AC:2010

EVS-HD 60364-7-715:2012/A11:2017

Madalpingelised elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja -paikadele. Väikepingelised valgustuspaigaldised
Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations

Standardi EVS-HD 60364-7-715:2012 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-715:2012/A11:2017
Muudab dokumenti: EVS-HD 60364-7-715:2012

EVS-HD 60364-7-715:2012+A11:2017

Madalpingelised elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja -paikadele. Väikepingelised valgustuspaigaldised
Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations (IEC 60364-7-715:2011, modified)

Standardisarja IEC 60364 selle osa erinõuded kehtivad väikepingeliste valgustuspaigaldiste valiku ja ehituse kohta paigaldise toiteallika nimivahelduvpingel kuni 50 V või nimialalispingel kuni 120 V. MÄRKUS 1 Väikepingelise valgustussüsteemi määratlus vt IEC 60598-2-23. MÄRKUS 2 Vahelduvpinged on esitatud efektiivväärtustena.

Keel: en, et
Alusdokumendid: IEC 60364-7-715:2011; HD 60364-7-715:2012; HD 60364-7-715:2012/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-715:2012
Konsolideerib dokumenti: EVS-HD 60364-7-715:2012/A11:2017

EVS-IEC 60050(702):2001/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD1:2016)

Muudatus standardile IEC 60050-702:1992.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992/AMD1:2016
Muudab dokumenti: EVS-IEC 60050(702):2001

EVS-IEC 60050(702):2001/A2:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD2:2016)

Muudatus standardile IEC 60050-702:1992.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992/AMD2:2016
Muudab dokumenti: EVS-IEC 60050(702):2001

EVS-IEC 60050-161:2015/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 6:2016)

Muudatus standardile IEC 60050-161:1990.

Keel: et-en
Alusdokumendid: IEC 60050-161:1990/AMD6:2016
Muudab dokumenti: EVS-IEC 60050-161:2015

EVS-IEC 60050-161:2015+A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus International Electrotechnical Vocabulary - Chapter 161: Electromagnetic compatibility (IEC 60050-161:1990 +IEC 60050-161/Amd 1:1997 +IEC 60050-161/Amd 2:1998 +IEC 60050-161/Amd 3:2014 +IEC 60050-161/Amd 4:2014 +IEC 60050-161/Amd 5:2015 +IEC 60050-161/Amd 6:2016)

See IEC 60050 osa annab elektromagnetilise ühilduvuse valdkonnas kasutatava terminoloogia (nt “elektromagnetiline keskkond”, “elektromagnetiline häiring”, “elektromagnetiline häire”, “häiringutaluvus”, “häire piirtase”, jne.). Sellel on horisontaalse standardi staatus vastavuses IEC juhendile IEC Guide 108.

Keel: et-en
Alusdokumendid: IEC 60050-161:1990; IEC 60050-161/Amd 1:1997; IEC 60050-161/Amd 2:1998; IEC 60050-161/Amd 3:2014; IEC 60050-161/Amd 4:2014; IEC 60050-161/Amd 5:2015; IEC 60050-161:1990/AMD6:2016
Konsolideerib dokumenti: EVS-IEC 60050-161:2015
Konsolideerib dokumenti: EVS-IEC 60050-161:2015/A1:2017

31 ELEKTROONIKA

EVS-EN 60384-15:2017

Fixed capacitors for use in electronic equipment - Part 15: Sectional specification: Fixed tantalum capacitors with non-solid or solid electrolyte

IEC 60384-15:2017(E) applies to through-hole/leaded polar and bipolar tantalum electrolyte capacitors with solid and non- solid electrolyte for use in electronic equipment. It includes capacitors for long- life applications and capacitors for general- purpose applications. This document prescribes preferred ratings and characteristics and to select from IEC 60384- 1:2016 the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor. This edition includes the following significant technical changes with respect to the previous edition: a) Revision of the structure in accordance with ISO/IEC Directives, Part 2:2016 (seventh edition) to the extent practicable, and harmonization between other similar kinds of documents. b) In addition, Clause 4 and all the tables have been reviewed in order to prevent duplications and contradictions.

Keel: en
Alusdokumendid: IEC 60384-15:2017; EN 60384-15:2017

EVS-EN 60749-43:2017

Semiconductor devices - Mechanical and climatic test methods - Part 43: Guidelines for IC reliability qualification plans

IEC 60749-43:2017 gives guidelines for reliability qualification plans of semiconductor integrated circuit products (ICs). This document is not intended for military- and space-related applications.

Keel: en
Alusdokumendid: IEC 60749-43:2017; EN 60749-43:2017

EVS-EN 61191-3:2017

Printed board assemblies - Part 3: Sectional specification - Requirements for through-hole mount soldered assemblies

IEC 61191-3:2017(E) prescribes requirements for lead and hole solder assemblies. The requirements pertain to those assemblies that totally use through-hole mounting technology (THT), or the THT portions of those assemblies that include other related technologies (i.e.. surface mount, chip mounting, terminal mounting). This edition includes the following significant technical changes with respect to the previous edition: a) The requirements have been updated to be compliant wit the acceptance criteria in IPC-A-610F.

Keel: en
Alusdokumendid: IEC 61191-3:2017; EN 61191-3:2017
Asendab dokumenti: EVS-EN 61191-3:2002

EVS-EN ISO 11554:2017

Optics and photonics - Lasers and laser-related equipment - Test methods for laser beam power, energy and temporal characteristics (ISO 11554:2017)

ISO 11554:2017 specifies test methods for determining the power and energy of continuous wave and pulsed laser beams, as well as their temporal characteristics of pulse shape, pulse duration and pulse repetition rate. Test and evaluation methods are

also given for the power stability of cw-lasers, energy stability of pulsed lasers and pulse duration stability. The test methods given in this document are used for the testing and characterization of lasers.

Keel: en
Alusdokumendid: ISO 11554:2017; EN ISO 11554:2017
Asendab dokumenti: EVS-EN ISO 11554:2008

EVS-IEC 60050(702):2001/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD1:2016)

Muudatus standardile IEC 60050-702:1992.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992/AMD1:2016
Muudab dokumenti: EVS-IEC 60050(702):2001

EVS-IEC 60050(702):2001/A2:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD2:2016)

Muudatus standardile IEC 60050-702:1992.

Keel: et-en
Alusdokumendid: IEC 60050-702:1992/AMD2:2016
Muudab dokumenti: EVS-IEC 60050(702):2001

33 SIDETEHNIKA

EVS-EN 300 422-4 V2.1.1:2017

Raadiomikrofonid; Audio PMSE kuni 3 GHz; Osa 4: Kuulmise abivahendid, sealhulgas personaalsed helivõimendid ja induktiivsüsteemid kuni 3 GHz; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel
Wireless Microphones; Audio PMSE up to 3 GHz; Part 4: Assistive Listening Devices including personal sound amplifiers and inductive systems up to 3 GHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for Assistive Listening Devices (ALDs) comprising personal hearing aid systems including inductive systems, personal sound amplifiers, and associated accessories for ALDs, e.g. remote controls and audio streaming devices. The present document applies to equipment operating on radio frequencies up to 3 GHz (as shown in table 1) using analogue, digital and hybrid (using both analogue and digital) modulation. The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.14] under the conditions identified in annex A. NOTE 1: The frequency bands for this equipment may differ from country to country as specified in their national regulations. Table 1: Radiocommunications service frequency bands Radiocommunications service frequency bands Transmit up to 3 000 MHz Receive up to 3 000 MHz NOTE 2: Power limits for different frequency bands can be found in ECC/DEC/(05)02 [i.11]; the EC SRD Decisions [i.9] and [i.16]; EC Decision 2014/641/EU [i.13]; or CEPT/ERC/REC 70-03 [i.7], annex 10 (or European or national regulations). NOTE 3: Electromagnetic Compatibility (EMC) requirements are covered by ETSI EN 301 489-9 [i.4].

Keel: en
Alusdokumendid: EN 300 422-4 V2.1.1

EVS-EN 301 178 V2.2.1:2017

Liikuva mereside VHF sagedusalades töötav teisaldatav ülikõrgsagedusala (VHF) raadiotelefon (mitte GMDSS rakenduste jaoks); Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel
Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands (for non-GMDSS applications only); Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for equipment: 1) portable Very High Frequency (VHF) transceivers operating with 25 kHz channels; 2) portable Very High Frequency (VHF) transceivers operating with both 25 kHz and 12,5 kHz channels. These radiotelephones are not providing maritime distress and safety communications functions (i.e. not forming part of the Global Maritime Distress and Safety System (GMDSS)) operating in certain frequency bands allocated to the maritime mobile service using either 25 kHz or 25 kHz and 12,5 kHz channels. The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.2] under the conditions identified in annex A.

Keel: en
Alusdokumendid: EN 301 178 V2.2.1

EVS-EN 301 357 V2.1.1:2017

Raadiosagedusalas 25 MHz kuni 2000 MHz töötavad juhtmeta audioseadmed; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel
Cordless audio devices in the range 25 MHz to 2 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for cordless audio devices in the range 25 MHz to 2 000 MHz, including: • cordless headphones; • cordless loudspeakers; • consumer radio microphones in the range 863 MHz to 865 MHz; • in-ear monitoring equipment using either 300 kHz bandwidth analogue modulation or 300 kHz, 600 kHz, 1 200 kHz digital FDMA modulation in the range 863 MHz to 865 MHz; • in-vehicle cordless; • personal cordless; • broadband multi channel audio systems; • Band II LPD (low power devices) in the 87,5 MHz to 108 MHz range (Broadcasting Band II) using up to 200 kHz bandwidth and analogue modulation; • and other devices and frequency bands defined within CEPT/ERC/REC 70-03 [i.2], European or National regulation. NOTE 1: The frequency bands for this equipment may differ from country to country as specified in their national regulations. All equipment is intended to be used with integral antennas. Table 1: Radiocommunications service frequency bands Radiocommunications service frequency bands Transmit 25 MHz to 2 000 MHz Receive 25 MHz to 2 000 MHz NOTE 2: Cordless audio devices covered within the present document are considered, by definition, Short Range Devices (SRD), the power limits for different frequency bands can be found in the current version of CEPT/ERC/REC 70-03 [i.2], annex 13 (or European or national regulations). NOTE 3: Electromagnetic Compatibility (EMC) requirements are covered by ETSI EN 301 489-9 [i.4].

Keel: en
Alusdokumendid: EN 301 357 V2.1.1

EVS-EN 301 428 V2.1.2:2017

Satelliitside maajaamad ja süsteemid (SES); Väga väikese apertuuriga satelliitantenniga terminalid (VSAT); Raadiosagedusalades 11/12/14 GHz töötavate signaali edastust, edastust ja vastuvõttu või ainult vastuvõttu võimaldavate satelliitside maajaamade harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel
Satellite Earth Stations and Systems (SES); Harmonised Standard for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for Very Small Aperture Terminals (VSATs) equipment which have the following characteristics: • The VSAT is operating in one or more frequency ranges in the part of the following bands allocated exclusively to the Fixed Satellite Services (FSS): - 14,00 GHz to 14,25 GHz (earth-to-space); - 12,50 GHz to 12,75 GHz (space-to-earth); or in the shared parts of the following bands, allocated to the FSS and Fixed Services (FS): - 14,25 GHz to 14,50 GHz (earth-to-space); - 10,70 GHz to 11,70 GHz (space-to-earth). • The VSAT uses linear polarization. • The VSAT operates through a geostationary satellite at least 3° away from any other geostationary satellite operating in the same frequency band and covering the same area. • The VSAT antenna diameter does not exceed 3,8 m, or equivalent effective area. • The VSAT is either: - a transmit only VSAT: designed for transmission only of radio-communications signals in any of the frequency bands (earth-to-space) specified above; or - a transmit and receive VSAT: designed for transmission and reception of radio-communications signals in any of the frequency bands specified above; or - a receive only VSAT: designed for reception only of radio-communications signals in any of the frequency bands (space-earth) specified above. • The VSAT is designed usually for unattended operation. • The VSAT is operating as part of a satellite network (e.g. star, mesh or point-to-point) used for the distribution and/or exchange of information between users. • The transmit-only and transmit-and-receive VSAT is controlled and monitored by a Centralized Control and Monitoring Function (CCMF). The CCMF is outside the scope of the present document. The present document applies to the VSAT with its ancillary equipment and its various terrestrial ports, and when operated within the boundary limits of the operational environmental profile declared by the applicant and when installed as required by the applicant by declaration or in the user documentation. The present document is intended to cover the provisions of Directive 2014/53/EU [i.5] (RE Directive) article 3.2, which states that "… radio equipment shall be so constructed that it both effectively uses and supports the efficient use of spectrum in order to avoid harmful interference".

Keel: en
Alusdokumendid: EN 301 428 V2.1.2

EVS-EN 301 893 V2.1.1:2017

5 GHz RLAN; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel
5 GHz RLAN; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for 5 GHz wireless access systems (WAS) including RLAN equipment. The present document also describes spectrum access requirements to facilitate spectrum sharing with other equipment. These radio equipment are capable of operating in all or parts of the frequency bands given in table 1. Table 1: Service frequency bands Service frequency bands Transmit 5 150 MHz to 5 350 MHz Receive 5 150 MHz to 5 350 MHz Transmit 5 470 MHz to 5 725 MHz Receive 5 470 MHz to 5 725 MHz The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU under the conditions identified in annex A.

Keel: en
Alusdokumendid: EN 301 893 V2.1.1

EVS-EN 301 908-3 V11.1.2:2017

IMT kärgsidevõrgud; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel; Osa 3: Otsese hajutamisega CDMA (UTRA FDD) baasjaamad (BS)
IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)

The present document applies to the following equipment types: 1) Stations for IMT 2000 CDMA Direct Spread (UTRA FDD). This radio equipment type is capable of operating in all or any part of the frequency bands given in table 1-1. Table 1-1: UTRA FDD Base Station operating bands UTRA FDD band Direction of transmission UTRA FDD Base Station operating bands I Transmit 2 110 MHz to 2 170 MHz Receive 1 920 MHz to 1 980 MHz III Transmit 1 805 MHz to 1 880 MHz Receive 1 710 MHz to 1 785 MHz VII Transmit 2 620 MHz to 2 690 MHz Receive 2 500 MHz to 2 570 MHz VIII Transmit 925 MHz to 960 MHz Receive 880 MHz to 915 MHz XV Transmit 2 600 MHz to 2 620 MHz Receive 1 900 MHz to 1 920 MHz XVI Transmit 2 585 MHz to 2 600 MHz Receive 2 010 MHz to 2 025 MHz XX Transmit 791 MHz to 821 MHz Receive 832 MHz to 862 MHz XXII Transmit 3 510 MHz to 3 590 MHz Receive 3 410 MHz to 3 490 MHz XXXII (see note) Transmit 1 452 MHz to 1 496 MHz Receive - NOTE: The down link frequenc(ies) of this band are paired with the uplink frequenc(ies) of the other FDD band (external) of the dual band configuration. The present document covers requirements for UTRA FDD Base Stations for 3GPP Releases 99, 4, 5, 6, 7, 8, 9, 10 and 11. This includes the requirements for BS operating bands from 3GPP Release 12. In addition, the present document covers requirements for UTRA FDD Base Stations in the operating bands specified in ETSI TS 102 735 [i.4]. The present document contains requirements to demonstrate that Radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Keel: en
Alusdokumendid: EN 301 908-3 V11.1.2

EVS-EN 302 217-1 V3.1.1:2017

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 1: Overview, common characteristics and system-independent requirements

The present document applies to Digital Fixed Radio Systems (DFRS) in point-to-point operation with integral and external antennas in the frequency range of 1 GHz to 86 GHz corresponding to the appropriate frequency bands 1,4 GHz to 86 GHz as described in ETSI EN 302 217-2 [18], annex B to annex J. The present document summarizes: • all characteristics, principles and, of utmost importance, terms and definitions that are common to all P-P equipment and antennas and its consultation is necessary when using all other parts of ETSI EN 302 217 series; • all system-dependent requirements for Point-to-Point (P-P) equipment in applications deployed in bands where frequency co-ordination is generally applied. These requirements are introduced in two different clauses sub-sets: - Main requirements are requirements that are also related to the "essential requirements" under article 3.2 of Directive 2014/53/EU [i.1] and further detailed in the Harmonised Standard ETSI EN 302 217-2 [18]. - Complementary requirements are requirements that are not related to essential requirements under article 3.2 of Directive 2014/53/EU [i.1]. Nevertheless they have been commonly agreed for proper system operation and deployment when specific deployment conditions or compatibility requirements are present. Compliance to all or some of these requirements is left to manufacturer decision. Technical background for most of the parameters and requirements referred to in this multi-part deliverable may be found in ETSI TR 101 036-1 [i.16]. Health and safety requirements, relevant to article 3.1a of Directive 2014/53/EU [i.1] are not considered in any part of this ETSI EN 302 217 series. CENELEC is responsible for the relevant standards. EMC conditions and requirements, relevant to article 3.1b of Directive 2014/53/EU [i.1] and any other essential requirement relevant to article 3.3 of Directive 2014/53/EU [i.1] are not in the scope of any part of this ETSI EN 302 217 series. EMC requirements may be found in ETSI EN 301 489-1 [i.11] and ETSI EN 301 489-4 [i.12]. NOTE: A list of such harmonised standards is available on the web site http://www.newapproach.org.

Keel: en
Alusdokumendid: EN 302 217-1 V3.1.1

EVS-EN 302 217-2 V3.1.1:2017

Paiksed raadiosüsteemid; Raadioliinide seadmete ja antennide karakteristikud ja nõuded; Osa 2: Raadiosagedusalades 1,3-86 GHz töötavad digitaalsüsteemid; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel
Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2: Digital systems operating in frequency bands from 1 GHz to 86 GHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for Point-to-point (P-P) Digital Fixed Radio Systems (DFRS) operating in frequency bands allocated to Fixed Service (FS) from 1 GHz to 86 GHz, corresponding to the appropriate frequency bands from 1,4 GHz to 86 GHz as described in annex B to annex J. Systems in the scope of the present document are generally intended to operate in full frequency division duplex (FDD) and covers also unidirectional applications. Time division duplex (TDD) applications, when possibly applicable in a specific band, are explicitly mentioned as appropriate in annex B through annex J. The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

Keel: en
Alusdokumendid: EN 302 217-2 V3.1.1

EVS-EN 302 217-4 V2.1.1:2017

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 4: Antennas

The present document defines the characteristics and requirements of antennas for point-to-point radio equipment operating in the frequency range from 1 GHz to 86 GHz falling within the scope of ETSI EN 302 217-2 [i.4]. For technical commonalities that range is here divided into sub-ranges as follows: Range 0: 1 GHz to 3 GHz; Range 1: 3 GHz to 14 GHz; Range 2: 14 GHz to 20 GHz; Range 3: 20 GHz to 24 GHz; Range 4: 24 GHz to 30 GHz; Range 5: 30 GHz to 47 GHz; Range 6: 47 GHz to 66 GHz; Range 7: 66 GHz to 86 GHz. The present document is applicable to fixed radio equipment with integral or dedicated antennas, and to stand-alone antennas. In the latter case the present document may be used to provide guidance as to the information to be supplied by a manufacturer as required by article 10 paragraph 8 of Directive 2014/53/EU [i.2]. The main body of the present document specifies the characteristics that define the various antenna classes, whilst the annexes provide additional information that is useful to both antenna manufacturers and user/installers.

Keel: en
Alusdokumendid: EN 302 217-4 V2.1.1

EVS-EN 302 264 V2.1.1:2017

Lähitoimeseadmed; Transpordi ja liikluse telemaatika (TTT); Sagedusalas 77 GHz kuni 81 GHz töötavad sõidukiradarid; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel

Short Range Devices; Transport and Traffic Telematics (TTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band;

The present document specifies the technical requirements and methods of measurement for Short Range Devices (SRD) working as broadband devices with at least 50 MHz occupied bandwidth in the 77 GHz to 81 GHz frequency range, intended for Transport and Traffic Telematics (TTT) applications. Applications include but are not limited to e.g. Short Range Radar (SRR) for obstacle detection, stop&go, blind spot detection, parking aid, backup aid and precrash. The present document covers transmitters intended to operate in the frequency range as defined in the EC Decision 2004/545/EC [i.5] and the ECC Decision ECC/DEC/(04)03 [i.6]. The present document: a) contains the technical characteristics and test methods for short range radar equipment fitted with integral antennas operating in 77 GHz to 81 GHz range; b) covers short range radar vehicle applications in the 77 GHz to 81 GHz range. It covers integrated transceivers and separate transmit/receive modules; c) integrated multi-mode transceivers defined in ETSI EG 203 367 [i.9], transmitters and receivers in the 76 GHz to 77 GHz range which comply with ETSI EN 301 091-1 [i.8] and which use the 77 GHz to 81 GHz range for one or several operation modes, within one EUT cycle or in different vehicle operation modes. For such sensors, the 77 GHz to 81 GHz operation modes should be available for testing separately from the 76 GHz to 77 GHz operation modes. The present document does not necessarily include all the characteristics which may be required by a user, nor does it necessarily represent the optimum performance achievable. In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 303 396 [1], the provisions of the present document take precedence. These radio equipment types are capable of operating in all or part of the frequency bands given in table 1. Table 1: Permitted ranges of operation Permitted ranges of operation Transmit 77 GHz to 81 GHz Receive 77 GHz to 81 GHz The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.2] under the conditions identified in annex A.

Keel: en
Alusdokumendid: EN 302 264 V2.1.1

EVS-EN 302 288 V2.1.1:2017

Lähitoimeseadmed; Transport ja liikluse telemaatika (TTT); Raadiosagedusalas 24,25 GHz kuni 26,65 GHz töötavad ultralairiba radarseadmed; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel

Short Range Devices; Transport and Traffic Telematics (TTT); Ultra-wideband radar equipment operating in the 24,25 GHz to 26,65 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document specifies the technical characteristics and test methods for automotive ultra-wideband (UWB) radar equipment fitted with integral antennas operating in the frequency range from 24,25 GHz to 26,65 GHz working as broadband devices with at least 500 MHz bandwidth and references CEPT/ERC Recommendation 70-03 [i.1] and EC Decision 2013/752/EU [i.2]. This equipment is intended for Transport and Traffic Telematics (TTT) applications according to ERC Recommendation 70-03 [i.1], annex 5, such as obstacle detection, stop and go, blind spot detection, parking aid, backup aid, precrash and other automotive applications. Table 1 shows the frequency bands as designated to ultra-wideband (UWB) radar. Table 1: Frequency of operation Frequency bands / frequencies Frequency bands / frequencies Transmit 1 24,25 GHz to 26,65 GHz UWB mode Receive 1 24,25 GHz to 26,65 GHz UWB mode Transmit 2 24,05 GHz to 24,25 GHz (see note) Single carrier emissions (see note) Receive 2 24,05 GHz to 24,25 GHz (see note) Single carrier emissions (see note) NOTE: Single carrier emissions in the SRD band from 24,05 GHz to 24,25 GHz according to the present document may not be used on its own, but only in conjunction with UWB emissions in the 24,25 GHz to 26,65 GHz range. For 24,05 GHz to 24,25 GHz devices the present document does not apply and the correct standard is ETSI EN 302 858 [i.11]. In case of differences (for instance concerning special conditions, definitions, abbreviations) between the present document and ETSI EN 303 396 [1], the provisions of the present document take precedence. The present document covers transmitters intended to operate in a temporary frequency designation under the ECC decision CEPT/ECC/DEC/(04)10 [i.6], the EU Commission decision 2005/50/EC [i.7] and the amendment as presented in RSCOM11-07 [i.9]. • The operating frequency range for intentional UWB emissions has been determined from 21,65 GHz to 26,65 GHz until 30th June 2013. This is no longer covered by the present document. • Since 30th June 2013 the operating frequency range for intentional UWB has reduced frequency band from 24,25 GHz to 26,65 GHz until 1st January 2018, with an extension for car models which have received type approval before 1st January 2018 and which can continue to be put on the market until 1st January 2022 [i.6]. This equipment is covered by the present document. The present document covers the essential requirements of article 3.2 of Directive 2014/53/EU [i.3] under the conditions identified in annex A.

Keel: en
Alusdokumendid: EN 302 288 V2.1.1

EVS-EN 303 402 V2.1.1:2017

Mereside liikuvad saatjad ja vastuvõtjad kasutamiseks MF ja HF raadiosagedusalades; Harmoneeritud standard direktiivi 2014/53/EL artiklite 3.2 ja 3.3(g) oluliste nõuete alusel.
Maritime mobile transmitters and receivers for use in the MF and HF bands; Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of Directive 2014/53/EU

The present document specifies technical characteristics and methods of measurements for radio transmitters and receivers, for use on vessels, operating in either the Medium Frequency (MF) only or in the Medium and High Frequency (MF/HF) bands allocated in the International Telecommunications Union (ITU) Radio Regulations [i.9], to the Maritime Mobile Service (MMS). The present document refers to equipment for one or more of the following: - Single SideBand (SSB) modulation for telephony transmission and reception (J3E); - Frequency Shift Keying (FSK) or SSB modulation of a keyed sub-carrier to transmit and receive Digital Selective Calling (DSC) signals. The present document also refers to radio equipment with either an integrated or external DSC controller. The requirements in the present document are applicable to receivers for operating on all frequencies in the bands 1 606,5 kHz to 4 000 kHz or 1 606,5 kHz to 27,5 MHz as allocated in the ITU Radio Regulations [i.9], to the MMS. Other spot frequency receivers should meet all the requirements of the present document and other relevant standards as applicable for the frequencies and modes provided. If the equipment, or parts of it, are designed in such a manner that they can be used for other categories of maritime radiocommunication (e.g. Morse telegraphy or NBDP - ETSI ETS 300 067 [i.4]), those parts of the equipment should fulfil the relevant requirements of the appropriate standards for the service(s) in question e.g. ETSI ETS 300 067 [i.4]. The present document covers the essential requirements of article 3.2 and article 3.3(g) of Directive 2014/53/EU [i.1] under the conditions identified in annex A.

Keel: en
Alusdokumendid: EN 303 402 V2.1.1

EVS-EN 303 405 V1.1.1:2017

Liikuv maaside; Analoog ja digital PMR446 seade; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel.
Land Mobile Service; Analogue and Digital PMR446 Equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

The present document covers the minimum characteristics considered necessary in order to avoid harmful interference and to make acceptable use of the available frequencies for analogue and digital PMR446 equipment in the land mobile service. PMR 446 equipment is hand portable (no base station or repeater use); short range peer to peer mode; uses integral antennas only; effective radiated power not exceeding 500 mW and angle modulated. The band from 446,0 MHz to 446,2 MHz is designated for the use of analogue PMR 446 with a channel plan based on 12,5 kHz spacing where the lowest carrier frequency is 446,006 25 MHz. The band from 446,1 MHz to 446,2 MHz is designated for the use of digital PMR 446 with a channel plan based on 6,25 kHz and 12,5 kHz spacing where the lowest carrier frequencies are 446,103 125 MHz and 446,106 25 MHz respectively. The band from 446,0 MHz to 446,2 MHz is designated for the use of digital PMR 446 with a channel plan based on 6,25 kHz and 12,5 kHz spacing where the lowest carrier frequencies are 446,003 125 MHz and 446,006 25 MHz respectively as of 1 January 2018. Analogue PMR446 equipment operating in the frequency range from 446,1 MHz to 446,2 MHz uses more robust receivers as specified in ETSI TS 103 236 [2]. As defined in ECC/DEC/(15)05 [i.6] Analogue PMR446 equipment operating in the frequency range from 446,0 MHz to 446,1 MHz should use more robust receivers as specified in ETSI TS 103 236 [2] or equivalent technical specifications when placed on the market as of 1 January 2017. As defined in ECC/DEC/(15)05 [i.6] all analogue and digitial PMR 446 radio equipment should have reception capability and equipment having Push-To-Talk (PTT) functionality capable of being latched 'on' should apply a 180 seconds maximum transmitter time-out; equipment having no Push-To-Talk (PTT) functionality should apply a 180 seconds maximum transmitter time-out and VOX (Voice activation exchange) control. The present document assumes that digital PMR446 equipment using 6,25 kHz channel spacing is compliant with ETSI TS 102 490 [4]. The present document assumes that digital PMR446 equipment using 12,5 kHz channel spacing is compliant with ETSI TS 102 361-1 [5]. The present document contains requirements to demonstrate that "... Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference" and that "....radio equipment supports certain features ensuring access to emergency services" [i.7]. In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of article 3 of the Radio Equipment Directive [i.7] may apply to equipment within the scope of the present document.

Keel: en
Alusdokumendid: EN 303 405 V1.1.1

EVS-IEC 60050(713):2001/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 713: Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon
International Electrotechnical Vocabulary (IEV) - Chapter 713: Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998/AMD1:2016)

Muudatus standardile IEC 60050-713:1998.

Keel: et-en
Alusdokumendid: IEC 60050-713:1998/AMD1:2016
Muudab dokumenti: EVS-IEC 60050(713):2001

EVS-IEC 60050-161:2015/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 6:2016)

Muudatus standardile IEC 60050-161:1990.

Keel: et-en
Alusdokumendid: IEC 60050-161:1990/AMD6:2016
Muudab dokumenti: EVS-IEC 60050-161:2015

EVS-IEC 60050-161:2015+A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary - Chapter 161: Electromagnetic compatibility (IEC 60050-161:1990 +IEC 60050-161/Amd 1:1997 +IEC 60050-161/Amd 2:1998 +IEC 60050-161/Amd 3:2014 +IEC 60050-161/Amd 4:2014 +IEC 60050-161/Amd 5:2015 +IEC 60050-161/Amd 6:2016)

See IEC 60050 osa annab elektromagnetilise ühilduvuse valdkonnas kasutatava terminoloogia (nt “elektromagnetiline keskkond”, “elektromagnetiline häiring”, “elektromagnetiline häire”, “häiringutaluvus”, “häire piirtase”, jne.). Sellel on horisontaalse standardi staatus vastavuses IEC juhendile IEC Guide 108.

Keel: et-en
Alusdokumendid: IEC 60050-161:1990; IEC 60050-161/Amd 1:1997; IEC 60050-161/Amd 2:1998; IEC 60050-161/Amd 3:2014; IEC 60050-161/Amd 4:2014; IEC 60050-161/Amd 5:2015; IEC 60050-161:1990/AMD6:2016
Konsolideerib dokumenti: EVS-IEC 60050-161:2015
Konsolideerib dokumenti: EVS-IEC 60050-161:2015/A1:2017

35 INFOTEHNOLOOGIA

CEN ISO/TS 19844:2017

Health informatics - Identification of medicinal products - Implementation guidelines for data elements and structures for the unique identification and exchange of regulated information on substances (ISO/TS 19844:2016)

ISO/TS 19844:2016 is used in the implementation of ISO 11238. This document defines substances based on their scientific identity (i.e. what they are) rather than on their use or method of production. ISO 11238 provides the conceptual framework for defining Substances and Specified Substances and for assigning unique identifiers in the context of the ISO IDMP standards. ISO 11238 describes general concepts for defining and distinguishing substances and a high level model for the structuring of information for substances. This document provides detailed explanations of each type or grouping of substance information, an element-by-element description for implementation of ISO 11238, and examples for a variety of Substances and Specified Substances. This second edition of the document addresses substances, Groups 1 to 3 of the Specified Substances as defined in ISO 11238 and Annexes A, B, C, D, E, F, G and H. It is anticipated that Specified Substances Group 4, as defined in ISO 11238, will be addressed in a subsequent edition of this document. Some information that would typically fall under Specified Substances Group 4 may be covered in the Annexes of this document. This information, although not defining of either a Substance or a Specified Substance Group 1, may be essential to distinguishing substances. This document addresses the following: Data elements necessary for defining Substances and Specified Substances Groups 1 to 3; The logical use of data elements as defined in ISO 11238; Substances and Specified Substances Groups 1 to 3 business rules for - determining necessary data elements, - distinguishing and defining materials according to ISO 11238, - triggering the assignment of identifiers. ISO/TS 19844:2016 does not address the following: Business processes for data management; · Implementation of a specific data information system (e.g. a relational database schema); Normative messaging standards for substances; The maintenance of controlled vocabularies; · The specific global identifier system that should be used; Nomenclature standards for substances.

Keel: en
Alusdokumendid: ISO/TS 19844:2016; CEN ISO/TS 19844:2017
Asendab dokumenti: CEN ISO/TS 19844:2015

EVS-EN 50090-6-1:2017

Home and Building Electronic Systems (HBES) - Part 6-1: Interfaces - Webservice interface

This European Standard defines a standardized web service based interface between Home and Building HBES Open Communication System and other information technology (IT) systems. The standardized interface is encapsulated in a gateway device, the HBES Gateway, which is able to communicate with both the Home and Building HBES Open Communication System and the connected IT systems. The HBES Gateway implements a set of encoding standards (see 10.2) as well as various message exchange protocols (see 10.3) to enable remote access to the Home and Building HBES Open Communication System via the Internet or another wide area network (WAN). For this purpose, gateway profiles define different implementation levels (see 10.4).

Keel: en
Alusdokumendid: EN 50090-6-1:2017

EVS-EN 82304-1:2017

Meditsiinitarkvara. Osa 1: Põhinõuded toote ohutusele
Health Software - Part 1: General requirements for product safety

IEC 82304-1:2016 applies to the safety and security of health software products designed to operate on general computing platforms and intended to be placed on the market without dedicated hardware, and its primary focus is on the requirements for manufacturers. It covers the entire lifecycle including design, development, validation, installation, maintenance, and disposal of health software products.

Keel: en

Alusdokumendid: IEC 82304-1:2016; EN 82304-1:2017

45 RAUDTEETEHNIKA

EVS-EN 12080:2017

Railway applications - Axleboxes - Rolling bearings

This European Standard specifies the quality parameters of axlebox rolling bearings supporting the 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: EN 12080:2017
Asendab dokumenti: EVS-EN 12080:2008+A1:2010

EVS-EN 12082:2017

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. 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 can be used for vehicles with other bearing arrangements (e.g.: inboard application or single wheels). It gives some possible examples where a "sequenced performance test" addresses the broad range of different service conditions within a specific application or vehicle platform into account. It describes in detail the water tightness test and basic principles and minimum requirements for a field test. This European Standard only applies to axleboxes equipped with rolling bearings and greases according to EN 12080 and EN 12081.

Keel: en
Alusdokumendid: EN 12082:2017
Asendab dokumenti: EVS-EN 12082:2008+A1:2010

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2287:2017

Aerospace series - Bush, plain, in corrosion resisting steel with self-lubricating liner - Dimensions and loads

This European Standard specifies the characteristics of plain bushes in corrosion resisting steel with self-lubricating liner and the design recommendation of shafts and housings. The bushes are intended for operation within the temperature range of 55 °C to 163 °C and assembly with an interference fit into fixed and moving aerospace parts.

Keel: en
Alusdokumendid: EN 2287:2017
Asendab dokumenti: EVS-EN 2287:2000

EVS-EN 3660-031:2017

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 031: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed - Product standard

This European Standard defines a range of cable outlets, style K, straight, shielded, sealed for heat shrinkable boot, for use with memory metal rings under the following conditions. The mating connectors are listed in EN 3660-002. Temperature range, Class N : −65 °C to 200 °C Class K : −65 °C to 200 °C Class W : −65 °C to 175 °C Class T : −65 °C to 175 °C (Nickel PTFE plating) Class Z : −65 °C to 175 °C (Zinc Nickel plating) Associated electrical accessories: EN 3660-034 memory metal rings (for shield termination backshells). These cable outlets are designed for termination of overall shielding braid or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-031:2017

EVS-EN 3660-032:2017

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 032: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed - Product standard

This European Standard defines a range of cable outlets, style K, straight, shielded, sealed for heat shrinkable boot, for use with memory metal rings under the following conditions. The mating connectors are listed in EN 3660-002. Temperature range, Class N : −65 °C to 200 °C Class K : −65 °C to 200 °C Class W : −65 °C to 175 °C Class T : −65 °C to 175 °C (Nickel PTFE plating) Class Z : −65 °C to 175 °C (Zinc nickel plating) Associated electrical accessories : EN 3660-034 memory metal rings (for shield termination backshells). These cable outlets are designed for termination of overall shielding braid or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-032:2017

EVS-EN 3660-034:2017

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 034: Memory metal rings, style Z, for the attachment of screens - Product standard

This European Standard defines a range of memory metal rings, style Z, for terminating cable screens to cable outlets. The mating connectors and applicable cable outlets are listed in EN 3660-002.

Keel: en
Alusdokumendid: EN 3660-034:2017

EVS-EN 3660-035:2017

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 035: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed - Product standard

This European Standard defines a range of cable outlets, style K, 90°, shielded, sealed for heat shrinkable boot, for use with memory metal rings under the following conditions. The mating connectors are listed in EN 3660-002. Temperature range, Class N : −65 °C to 200 °C Class K : −65 °C to 200 °C Class W : −65 °C to 175 °C Class T : −65 °C to 175 °C (Nickel PTFE plating) Class Z : −65 °C to 175 °C (Zinc nickel plating) Associated electrical accessories : EN 3660-034 memory metal rings (for shield termination backshells). These cable outlets are designed for termination of overall shielding braid or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-035:2017

EVS-EN 3660-066:2017

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 066: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed - Product standard

This European Standard defines a range of cable outlets, style K, 90°, shielded, sealed for heat shrinkable boot, for use with memory metal rings under the following conditions. The mating connectors are listed in EN 3660-002. Temperature range, Class N : −65 °C to 200 °C Class K : −65 °C to 200 °C Class W : −65 °C to 175 °C Class T : −65 °C to 175 °C (Nickel PTFE plating) Class Z : −65 °C to 175 °C (Zinc nickel plating) Associated electrical accessories : EN 3660-034 memory metal rings (for shield termination backshells). These cable outlets are designed for termination of overall shielding braid or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-066:2017

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 1833-4:2017

Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite) (ISO 1833-4:2017)

ISO 1833-4:2017 specifies a method, using hypochlorite, to determine the mass percentage of protein fibre, after removal of non-fibrous matter, in textiles made of mixtures of certain non-protein fibres and certain protein fibres, as follows: - wool, other animal-hair (such as cashmere, mohair), silk, protein, with - cotton, cupro, viscose, modal, acrylic, chlorofibres, polyamide, polyester, polypropylene, glass, elastane, elastomultiester, elastolefin, melamine and polypropylene/polyamide bicomponent.

Keel: en
Alusdokumendid: ISO 1833-4:2017; EN ISO 1833-4:2017
Asendab dokumenti: EVS-EN ISO 1833-4:2010

EVS-EN ISO 6179:2017

Rubber, vulcanized or thermoplastic - Rubber sheets and rubber-coated fabrics - Determination of transmission rate of volatile liquids (gravimetric technique) (ISO 6179:2017)

ISO 6179:2017 specifies two methods for determining, by measurement of the transmission rate, the permeability of rubber to volatile liquids diffusing into open air. It is applicable only to materials in sheet form and to coated fabrics having thicknesses between 0,2 mm and 3,0 mm. It is restricted to transmission rates of more than 0,1 g/m2·h. The methods are particularly useful for comparing the relative transmission rates of one liquid through different materials, or of several liquids through one material. Method A, with refilling, is used when testing mixtures of liquids which give different transmission rates. Method B, with no refilling, is used for a single-component liquid. NOTE A method for the determination of water vapour transmission rate is given in ISO 2528.

Keel: en
Alusdokumendid: ISO 6179:2017; EN ISO 6179:2017
Asendab dokumenti: EVS-EN ISO 6179:2010

65 PÕLLUMAJANDUS

EVS-EN 15695-2:2017

Agricultural tractors and self-propelled sprayers - Protection of the operator (driver) against hazardous substances - Part 2: Filters, requirements and test procedures

This European Standard is applicable to filters as part of cabs of categories 2, 3 and 4 of agricultural and forestry tractors and self-propelled sprayers as specified in EN 15695 1 in order to limit the exposure of the operator (driver) to hazardous substances, in agricultural and forestry operations. It specifies requirements, test procedures and the information to be provided by the filter manufacturer. This standard does not cover: - the exposure linked to fumigants; - the category of cab and performance level to be used for any particular application; - the actual cab performance in the field applications; - field durability of filters or filtration systems. This document is not applicable to filters which are manufactured before the date of its publication as EN.

Keel: en
Alusdokumendid: EN 15695-2:2017
Asendab dokumenti: EVS-EN 15695-2:2010
Asendab dokumenti: EVS-EN 15695-2:2010/AC:2011

EVS-EN 17050:2017

Animal feeding stuffs: Methods of sampling and analysis - Determination of iodine in animal feed by ICP-MS

This European standard specifies a method for the determination of iodine in animal feeding stuffs by inductively coupled plasma mass spectrometry (ICP-MS) following extraction with an alkaline solution. This method was successfully tested in the range of 0,70 to 631 mg/kg in following animal feeds: seaweed meal, mineral premixture, fish meal, plant based ingredient, marine based compound feed and a synthetic iodine solution.

Keel: en
Alusdokumendid: EN 17050:2017

71 KEEMILINE TEHNOLOOGIA

EVS-EN ISO 10156:2017

Gas cylinders - Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2017)

ISO 10156:2017 specifies methods for determining whether or not a gas or gas mixture is flammable in air and whether a gas or gas mixture is more or less oxidizing than air under atmospheric conditions. ISO 10156:2017 is intended to be used for the classification of gases and gas mixtures including the selection of gas cylinder valve outlets. ISO 10156:2017 does not cover the safe preparation of these mixtures under pressure and at temperatures other than ambient.

Keel: en
Alusdokumendid: ISO 10156:2017; EN ISO 10156:2017
Asendab dokumenti: EVS-EN ISO 10156:2010
Asendab dokumenti: EVS-EN ISO 10156:2010/AC:2010

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 12081:2017

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: EN 12081:2017
Asendab dokumenti: EVS-EN 12081:2008+A1:2010

EVS-EN ISO 17781:2017

Petroleum, petrochemical and natural gas industries - Test methods for quality control of microstructure of ferritic/austenitic (duplex) stainless steels (ISO 17781:2017)

ISO 17781:2017 specifies quality control testing methods and test conditions for the characterization of microstructure in relation to relevant properties in ferritic/austenitic (duplex) stainless steel components supplied in the solution annealed condition and fabrication welds in the as welded condition. ISO 17781:2017 supplements the relevant product and fabrication standards with respect to destructive testing methods including sampling of test specimens, test conditions and test acceptance criteria to show freedom from deleterious intermetallic phases and precipitates in duplex stainless steels. In addition, this document specifies the documentation of testing and test results by the testing laboratory. NOTE 1 This document is based upon experience with duplex stainless steels in offshore oil and gas industry applications including topside and subsea hydrocarbon service, sea water service, as well as structural use. NOTE 2 The austenite spacing is relevant to the susceptibility of duplex stainless steels to hydrogen-induced stress cracking (HISC) in subsea applications where cathodic protection is applied. This falls outside the scope of this document. Reference is made to DNV/GL RP-F112[4].

Keel: en
Alusdokumendid: ISO 17781:2017; EN ISO 17781:2017

EVS-EN ISO 24817:2017

Petroleum, petrochemical and natural gas industries - Composite repairs for pipework - Qualification and design, installation, testing and inspection (ISO 24817:2017)

ISO 24817:2017 gives requirements and recommendations for the qualification and design, installation, testing and inspection for the external application of composite repair systems to corroded or damaged pipework, pipelines, tanks and vessels used in the petroleum, petrochemical and natural gas industries.

Keel: en
Alusdokumendid: ISO 24817:2017; EN ISO 24817:2017
Asendab dokumenti: EVS-EN ISO 24817:2015

77 METALLURGIA

EVS-EN 12438:2017

Magnesium and magnesium alloys - Magnesium alloys for cast anodes

This European Standard specifies the grades and the corresponding requirements for magnesium alloys for cast anodes. This European Standard specifies 2 groups of cast magnesium alloy grades by a classification based on chemical composition. The first group deals with magnesium alloy ingots for anodes. The second group deals with magnesium alloy anode castings. This European Standard specifies chemical composition, designation, testing and inspection documentation. This European Standard does not cover technical delivery conditions for magnesium alloy anode castings (see EN 1559-1 [3] and EN 1559-5 [4]).

Keel: en
Alusdokumendid: EN 12438:2017
Asendab dokumenti: EVS-EN 12438:2000

EVS-EN 1982:2017

Copper and copper alloys - Ingots and castings

This European Standard specifies the composition, mechanical properties and other relevant characteristics of copper and copper alloys. The sampling procedures and test methods for the verification of conformity to the requirements of this standard are also specified. This European Standard is applicable to: a) copper alloy ingots intended to be remelted for later processing (e.g. castings); and b) copper and copper alloy castings which are intended for use without subsequent working other than machining. Recommended practice for the ordering and supply of castings is included in Annex A. Optional supplementary inspection procedures for ingots and castings are included in Annex B. NOTE Ingots are not suitable for pressure equipment applications.

Keel: en
Alusdokumendid: EN 1982:2017
Asendab dokumenti: EVS-EN 1982:2008

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 302-2:2017

Adhesives for load-bearing timber structures - Test methods - Part 2: Determination of resistance to delamination

This European Standard specifies a method for determining the resistance to delamination in glue lines. It is suitable for the following applications: a) for assessing the compliance of adhesives with EN 301, EN 15425 and EN 16254; b) for assessing the suitability and quality of adhesives for load-bearing timber structures; c) for comparing the effects on the bond strength resulting from the choice of bonding conditions, from different climatic conditioning and from the treatment of the test pieces before and after bonding. This test is not applicable for modified and stabilized wood with strongly reduced swelling and shrinkage properties, such as acetylated wood, heat-treated wood and polymer impregnated wood. This test is intended primarily to obtain performance data for the classification of adhesives for load-bearing timber structures according to their suitability for use in defined climatic environments. This method is not intended to provide data for structural design, and does not necessarily represent the performance of the bonded member in service.

Keel: en
Alusdokumendid: EN 302-2:2017
Asendab dokumenti: EVS-EN 302-2:2013

EVS-EN 302-3:2017

Adhesives for load-bearing timber structures - Test methods - Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength

This European Standard specifies a method for determining the effect on bond strength of damage to wood fibres caused by the action of acids from the adhesive or primer used in the gluing process during climatic cycling. It is suitable for the following applications: a) for assessing the compliance of adhesives with EN 301, EN 15425 and EN 16254; b) for assessing the suitability and quality of adhesives for load-bearing timber structures; c) for determining if the adhesive after bonding has a damaging influence on the strength of the wood due to chemical action. This test is intended primarily to obtain performance data for the classification of adhesives for load-bearing timber structures according to their suitability for use in defined climatic environments.

This test is carried out on Norway spruce (Picea abies L.) or Beech (Fagus sylvatica L.). This method is not intended for use to provide numerical design data and does not necessarily represent the performance of the bonded member in service.

Keel: en
Alusdokumendid: EN 302-3:2017
Asendab dokumenti: EVS-EN 302-3:2013

EVS-EN ISO 6179:2017

Rubber, vulcanized or thermoplastic - Rubber sheets and rubber-coated fabrics - Determination of transmission rate of volatile liquids (gravimetric technique) (ISO 6179:2017)

ISO 6179:2017 specifies two methods for determining, by measurement of the transmission rate, the permeability of rubber to volatile liquids diffusing into open air. It is applicable only to materials in sheet form and to coated fabrics having thicknesses between 0,2 mm and 3,0 mm. It is restricted to transmission rates of more than 0,1 g/m2·h. The methods are particularly useful for comparing the relative transmission rates of one liquid through different materials, or of several liquids through one material. Method A, with refilling, is used when testing mixtures of liquids which give different transmission rates. Method B, with no refilling, is used for a single-component liquid. NOTE A method for the determination of water vapour transmission rate is given in ISO 2528.

Keel: en
Alusdokumendid: ISO 6179:2017; EN ISO 6179:2017
Asendab dokumenti: EVS-EN ISO 6179:2010

91 EHITUSMATERJALID JA EHITUS

EVS-EN 1993-4-2:2007/A1:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3 - Design of steel structures - Part 4-2: Tanks

Muudatus standardile EVS-EN 1993-4-2:2007

Keel: en, et
Alusdokumendid: EN 1993-4-2:2007/A1:2017
Muudab dokumenti: EVS-EN 1993-4-2:2007

EVS-EN 1993-4-2:2007/NA:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa
Eurocode 3: Design of steel structures - Part 4-2: Tanks - Estonian National Annex

Rahvuslik lisa standardile EN 1993-4-2:2007 ja selle muudatusele EN 1993-4-2:2007/A1:2017

Keel: et, en
Asendab dokumenti: EVS-EN 1993-4-2/NA:2010
Täiendab rahvuslikult dokumenti: EVS-EN 1993-4-2:2007
Täiendab rahvuslikult dokumenti: EVS-EN 1993-4-2:2007/A1:2017

EVS-EN 1993-4-2:2007+A1:2017+NA:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3: Design of steel structures - Part 4-2: Tanks

(1) Eurokoodeksi 3 osas 4-2 on toodud eeskirjad ja rakendusjuhised vedelike ladustamiseks ette nähtud maapealsete püstsilindriliste, kooniliste ja alusele toetatud terasmahutite projekteerimiseks järgmiste iseloomulike tunnustega: a) mahutid, mahuga üle 100 m3 (100 000 liitrit); b) mahutid, mis suures osas monteeritakse kohapeal; c) tehases valmistatud kooniliste põhjadega mahutid, mis toetuvad suletud lehttoele või postidele; d) mahutid, mille vedeliku nivoo kohal olevas ruumis ei ole manomeetrirõhk negatiivse väärtuse korral üle −0,1 bar ja positiivse väärtuse korral ei ole see üle 0,5 bar1); e) metalli projekttemperatuur on piiratud alljärgnevalt: 1) mahutid tavalistest konstruktsiooniterase klassidest, −50 °C < T < +300 °C; 2) mahutid austeniitsest roostevabast terasest, −165 °C < T < +300 °C; 3) mahutid spetsiaalsetest teraseklassidest, millel on määratletud voolavuspiir kõrgematel temperatuuridel, −165 °C < T < maksimaalne määratletud temperatuur vastavale klassile; 4) mahutid, millel võib olla väsimuspurunemise oht, T < 150 °C; f) silindrilistel maapinnale toetatud mahutitel ei ole maksimaalne arvutuslik vedeliku nivoo kõrgemal silindrilise kooriku ülaservast. (2) Käesolev standardi osa 4.2 keskendub ainult terasest vedelikumahutite vastupanu ja stabiilsuse nõuetele. Muud nõuded on hõlmatud standardiga EN 14015 mahutite keskkonnatemperatuuri osas, standardiga EN 14620 külmatootvate mahutite osas ja standardiga EN 1090 valmistamise ja montaaži kaalutluste osas. Need muud nõuded käsitlevad vundamente ja vajumisi, valmistamist, montaaži ja katsetamist, funktsionaalseid omadusi ning sissepääsuavade, flantside ja täitmisseadmete tüüpi detaile. (3) Seismoprojekteerimist käsitlevad erinõuded on esitatud standardis EN 1998-4 (eurokoodeksi 8 osa 4 “Konstruktsioonide projekteerimine maavärinale vastupanemiseks: Puiste- ja vedelikumahutid ning torujuhtmed”) , mis täiendab ja kohaldab eurokoodeksi 3 tingimusi spetsiaalselt selleks tarbeks. (4) Vedelikumahuti toekonstruktsioonide projekteerimist käsitleb EN 1993-1-1. (5) Terasest vedelikumahutite alumiiniumkatuste projekteerimist käsitleb EN 1999-1-5. (6) Terasest mahutite raudbetoonvundamente käsitlevad EN 1992 ja EN 1997. (7) Terasest vedelikumahutite projekteerimisel arvestatavate spetsiifiliste koormuste arvsuurused on antud standardis EN 1991-4 „Puiste- ja vedelikumahutite koormused”. Täiendavaid tingimusi vedelikumahutite jaoks on antud eurokoodeksi 3 käesoleva osa 4.2 lisas A. (8) See standardiosa 4-2 ei käsitle — plaanis ristkülikulisi mahuteid; — mahuteid mahutavusega alla 100 m3; — mahuteid tulekahjutingimustes (vt EN 1993-1-2); — kumerate otstega ja alla 5 m diameetriga mahuteid; — silindrilisi mahuteid, mille kõrguse ja diameetri suhe on suurem kui 3. (9) Käesoleva standardiga hõlmatud plaanis ringikujulised mahutid

on piiratud telgsümmeetriliste konstruktsioonidega, kuid neile rakendatud koormused võivad olla ebasümmeetrilised ning nende toed võivad olla ebasümmeetrilised.

Keel: et, en
Alusdokumendid: EN 1993-4-2:2007; EVS-EN 1993-4-2:2007/AC:2009; EVS-EN 1993-4-2:2007/prNA; EN 1993-4-2:2007/A1:2017
Asendab dokumenti: EVS-EN 1993-4-2:2007+NA:2010
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007/A1:2017
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007/AC:2009
Konsolideerib dokumenti: EVS-EN 1993-4-2:2007/NA:2017

EVS-EN 303-1:2017

Heating boilers - Part 1: Heating boilers with forced draught burners - Terminology, general requirements, testing and marking

This European Standard applies to boilers used for central heating (heating boilers) with forced draught burners with a nominal heat output not exceeding 1 000 kW, which are operated either with negative pressure (natural draught boilers) or with positive pressure (pressurized boiler) in the combustion chamber, in accordance with the boiler instructions. This European Standard specifies the necessary terminology, the requirements on the materials and testing of them, and marking requirements for heating boilers. Particular requirements for boilers that can be used with open vented systems are contained in EN 303 4. The requirements of this standard apply to heating boilers that are tested on an authorized test rig. Boilers in accordance with this standard are designed for the heating of central heating installations in which the heat carrier is water, and the maximum allowable operating temperature of which is restricted to 100 °C. The maximum allowable operating pressure is 8 bar. For boilers and water heaters (storage or continuous flow heater) this standard only applies to the parts which are necessarily subject to the operating conditions of the heating boiler (heating part). This standard does not apply to gas boilers with atmospheric burners, boilers for solid fuels, boilers with oil vaporization burners. For these boilers there are further requirements.

Keel: en
Alusdokumendid: EN 303-1:2017
Asendab dokumenti: EVS-EN 15034:2006
Asendab dokumenti: EVS-EN 15034:2006/AC:2008
Asendab dokumenti: EVS-EN 303-1:2000
Asendab dokumenti: EVS-EN 303-1:2000/A1:2003

EVS-EN 62561-3:2017

Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps (ISG)

IEC 62561-3:2017(E) specifies the requirements and tests for isolating spark gaps (ISG) for lightning protection systems. ISGs can be used to indirectly bond a lightning protection system to other nearby metalwork where a direct bond is not permissible for functional reasons. This second edition cancels and replaces the first edition, published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition. - a new classification has been added related to ISGs location installation; - an updated flow chart of tests has been developed.

Keel: en
Alusdokumendid: IEC 62561-3:2017; EN 62561-3:2017
Asendab dokumenti: EVS-EN 62561-3:2012

EVS-EN ISO 12354-2:2017

Ehitusakustika. Hoonete akustilise toimivuse hindamine elementide akustilise toime põhjal. Osa 2: Ruumidevaheline löögiheli isolatsioon
Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms (ISO 12354-2:2017)

See dokument kirjeldab arvutusmeetodeid, mis on mõeldud löögiheli isolatsiooni hindamiseks ruumide vahel hoonetes, lähtudes eelkõige mõõdistusandmetest, mis iseloomustavad osalevate ehituselementide otsest või kaudset külgsuunalist heliülekannet, ning teoreetiliselt tuletatud meetoditest, mis käsitlevad heli levikut ehituselementides. Kirjeldatakse detailset mudelit arvutamiseks 1/3 oktaav sagedusribades sagedusalas 100 Hz kuni 3150 Hz standardi ISO 717-1 kohaselt võimalusega laiendada sagedusala 1/3 oktaavi allapoole 50 hertsini, kui on kättesaadavad andmed elementide ja ühendussõlmede kohta (vaata lisa E); arvutustulemuste põhjal on võimalik määrata hoonete ühe arvuga väljendatav näitaja. Selle alusel tuletatakse piiratud rakendusalaga lihtsustatud mudel, mis ehituselemente iseloomustavate ühe arvuga väljendatavate näitajate põhjal võimaldab vahetult arvutada ühe arvuga väljendatava hoonet iseloomustava näitaja; lihtsustatud mudelit kasutades saab tegeliku löögiheli rõhutaseme määramatuse ehitises arvutada kooskõlas standardi ISO 12354-1:2017 lisas K (vaata peatükk 5) kirjeldatud meetodiga. Selles dokumendis kirjeldatakse arvutusskeemi põhimõtteid, esitatakse asjakohaste suuruste loetelu ning määratletakse dokumendi rakendamise võimalused ja piirangud.

Keel: en, et
Alusdokumendid: ISO 12354-2:2017; EN ISO 12354-2:2017
Asendab dokumenti: EVS-EN 12354-2:2005

EVS-HD 60364-7-705:2007/A12:2017

Madalpingelised elektripaigaldised. Osa 7-705: Nõuded eripaigaldistele ja -paikadele. Põllundus- ja aiandusehitised

Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises

Standardi EVS-HD 60364-7-705:2007 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-705:2007/A12:2017
Muudab dokumenti: EVS-HD 60364-7-705:2007
Muudab dokumenti: EVS-HD 60364-7-705:2007+A11:2013

EVS-HD 60364-7-705:2007+A11+A12

Madalpingelised elektripaigaldised. Osa 7-705: Nõuded eripaigaldistele ja -paikadele. Põllundus- ja aiandusehitised
Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises (IEC 60364-7-705:2006, modified)

Harmoneerimisdokumendi HD 60364 käesoleva osa nõudeid kohaldatakse kohtkindlatele elektripaigaldistele põllundus- ja aiandusehitiste siseruumides ja vabas õhus. Mõnda nõuetest kohaldatakse ka muudele paigaldistele, mis on põllundus- ja aiandusehitiste juurde kuuluvates üldistes ehitistes. Kodumajapidamise või nendega sarnased ruumid, paigad ja alad ei ole haaratud käesoleva standardiga. Kui mõni osa 705 eraldi nõue on kohaldatav ka eluruumidele ja muudele paikadele samasugustes üldistes ehitistes, on see öeldud normatiivtekstis.

Keel: en, et
Alusdokumendid: IEC 60364-7-705:2006; HD 60364-7-705:2007; HD 60364-7-705:2007/AC:2008; HD 60364-7-705:2007/A11:2012; HD 60364-7-705:2007/A12:2017
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007/A11:2013
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007/A12:2017
Konsolideerib dokumenti: EVS-HD 60364-7-705:2007/AC:2008

EVS-HD 60364-7-709:2009/A11:2017

Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations

Standardi EVS-HD 60364-7-709:2009 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-709:2009/A11:2017
Muudab dokumenti: EVS-HD 60364-7-709:2009
Muudab dokumenti: EVS-HD 60364-7-709:2009+A1:2012

EVS-HD 60364-7-709:2009+A1+A11

Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations (IEC 60364-7-709:2007+A1:2012)

HD 60364 käesolevas osas kirjeldatud üksikasjalised nõuded kehtivad ainult vooluahelate kohta, mis on ette nähtud huvisõidualuste või veesõidukelamute toiteks huvisõidusadamates ja muudes samalaadsetes paikades. MÄRKUS 1 Käesolevas osas tähendab huvisõidusadam edaspidi nii huvisõidusadamat kui ka muid samalaadseid paiku. Üksikasjalikud nõuded ei kehti majutusjahtide kohta, kui neid toidetakse otse avalikust elektrivõrgust. Üksikasjalikud nõuded ei kehti lõbusõidualuste või majutusjahtide sisemiste elektripaigaldiste kohta. MÄRKUS 2 Huvisõidualuste elektripaigaldiste kohta vt EN 60092-507. MÄRKUS 3 Veesõidukelamute elektripaigaldised peavad vastama HD 60364 üldnõuetele koos HD 60364-7 asjakohaste üksikasjaliste nõuetega. Huvisõidusadamate ja muude samalaadsete paikade ülejäänud elektripaigaldiste kohta kehtivad HD 60364 üldnõuded koos HD 60364-7 asjakohaste üksikasjaliste nõuetega.

Keel: en, et
Alusdokumendid: IEC 60364-7-709:2007; IEC 60364-7-709:2007/A1:2012; HD 60364-7-709:2009; HD 60364-7-709:2009/AC:2010; HD 60364-7-709:2009/A1:2012; HD 60364-7-709:2009/A1:2012/AC:2012; HD 60364-7-709:2009/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/A1:2012
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/A1:2012/AC:2012
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-709:2009/AC:2010

EVS-HD 60364-7-715:2012/A11:2017

Madalpingelised elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja -paikadele. Väikepingelised valgustuspaigaldised
Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations

Standardi EVS-HD 60364-7-715:2012 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-715:2012/A11:2017
Muudab dokumenti: EVS-HD 60364-7-715:2012

EVS-HD 60364-7-715:2012+A11:2017

Madalpingelised elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja -paikadele. Väikepingelised valgustuspaigaldised
Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations (IEC 60364-7-715:2011, modified)

Standardisarja IEC 60364 selle osa erinõuded kehtivad väikepingeliste valgustuspaigaldiste valiku ja ehituse kohta paigaldise toiteallika nimivahelduvpingel kuni 50 V või nimialalispingel kuni 120 V. MÄRKUS 1 Väikepingelise valgustussüsteemi määratlus vt IEC 60598-2-23. MÄRKUS 2 Vahelduvpinged on esitatud efektiivväärtustena.

Keel: en, et
Alusdokumendid: IEC 60364-7-715:2011; HD 60364-7-715:2012; HD 60364-7-715:2012/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-715:2012
Konsolideerib dokumenti: EVS-HD 60364-7-715:2012/A11:2017

EVS-HD 60364-7-718:2013/A12:2017

Madalpingelised elektripaigaldised. Osa 7-718: Nõuded eripaigaldistele ja -paikadele. Avalikud asutused ja töökohad
Low-voltage electrical installations - Part 7-718: Requirements for special installations or locations - Communal facilities and workplaces

Standardi EVS-HD 60364-7-718:2013 muudatus.

Keel: en, et
Alusdokumendid: HD 60364-7-718:2013/A12:2017
Muudab dokumenti: EVS-HD 60364-7-718:2013
Muudab dokumenti: EVS-HD 60364-7-718:2013+A11:2017

EVS-HD 60364-7-718:2013+A11+A12

Madalpingelised elektripaigaldised. Osa 7-718: Nõuded eripaigaldistele ja -paikadele. Avalikud asutused ja töökohad
Low-voltage electrical installations - Part 7-718: Requirements for special installations or locations - Communal facilities and workplaces (IEC 60364-7-718:2011)

HD 60364 selles osas esitatakse lisanõuded avalikes asutustes ja töökohtadel rakendatavatele elektripaigaldistele. Avalike asutuste ja töökohtade tüüpnäidete hulka kuuluvad - koosolekusaalid ja -ruumid. - näitusehallid, - teatrid ja kinod, - spordiareenid, - müügipiirkonnad, - restoranid, - hotellid, külalistemajad ja hooldekodud, - koolid, - suletud parklad, - miitinguplatsid, ujulad, lennujaamad, raudteejaamad ja kõrghooned, - töökojad, vabrikud ja tööstushooned. Ülalmainitud näidete juurde kuuluvad ka nende juurdepääsu- ja hädaväljapääsuteed. Spetsiaalehitiste ja -piirkondade ohutusala nõuete kehtestamise vajalikkus võib olla sätestatud rahvuslike eeskirjadega, mis võivad sisaldada rangemaid nõudeid. MÄRKUS Turvasüsteemide kohta vt HD 60364-5-56.

Keel: en, et
Alusdokumendid: IEC 60364-7-718:2011; HD 60364-7-718:2013; HD 60364-7-718:2013/A11:2017; HD 60364-7-718:2013/A12:2017
Konsolideerib dokumenti: EVS-HD 60364-7-718:2013
Konsolideerib dokumenti: EVS-HD 60364-7-718:2013/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-718:2013/A12:2017

EVS-HD 60364-7-729:2009/A11:2017

Madalpingelised elektripaigaldised. Osa 7-729: Nõuded eripaigaldistele ja -paikadele. Teenindus- ja hoolduskäigud
Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways

Standardi EVS-HD 60364-7-729:2009 muudatus

Keel: en, et
Alusdokumendid: HD 60364-7-729:2009/A11:2017
Muudab dokumenti: EVS-HD 60364-7-729:2009

EVS-HD 60364-7-729:2009+A11:2017

Madalpingelised elektripaigaldised. Osa 7-729: Nõuded eripaigaldistele ja -paikadele. Teenindus- ja hoolduskäigud
Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways (IEC 60364-7-729:2007, modified)

HD 60364 käesoleva osa nõuded kehtivad põhikaitse ja muude aspektide osas aparaadikoosteid sisaldavates piiratud juurdepääsuga alades, kaasaarvatult nõuded teenindus- ja hoolduskäikudele.

Keel: en, et
Alusdokumendid: IEC 60364-7-729:2007; HD 60364-7-729:2009; HD 60364-7-729:2009/A11:2017
Konsolideerib dokumenti: EVS-HD 60364-7-729:2009
Konsolideerib dokumenti: EVS-HD 60364-7-729:2009/A11:2017

97 OLME. MEELELAHUTUS. SPORT

CEN ISO/TR 20183:2017

Sports and other recreational facilities and equipment - Injury and safety definitions and thresholds - Guidelines for their inclusion in standards (ISO/TR 20183:2015)

ISO 20183:2015 provides standards writers with guidelines for the inclusion of injury and safety definitions and thresholds to be applied in the development of ISO/TC 83 standards. It is intended to contribute to harmonization of the language and understanding safety of products/procedures as well as to comply with Directive 2001/95/EC on general product safety requirements.

Keel: en
Alusdokumendid: ISO/TR 20183:2015; CEN ISO/TR 20183:2017

EVS-EN 50090-6-1:2017

Home and Building Electronic Systems (HBES) - Part 6-1: Interfaces - Webservice interface

This European Standard defines a standardized web service based interface between Home and Building HBES Open Communication System and other information technology (IT) systems. The standardized interface is encapsulated in a gateway device, the HBES Gateway, which is able to communicate with both the Home and Building HBES Open Communication System and the connected IT systems. The HBES Gateway implements a set of encoding standards (see 10.2) as well as various message exchange protocols (see 10.3) to enable remote access to the Home and Building HBES Open Communication System via the Internet or another wide area network (WAN). For this purpose, gateway profiles define different implementation levels (see 10.4).

Keel: en
Alusdokumendid: EN 50090-6-1:2017

EVS-EN 60335-2-89:2010/A2:2017

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-89: Erinõuded kaubanduses kasutatavatele sisseehitatud või eraldiseisva külmutuskondensaatori või kompressoriga külmutusseadmetele
Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor

Amendment for EN 60335-2-89:2010

Keel: en
Alusdokumendid: IEC 60335-2-89:2010/A2:2015; EN 60335-2-89:2010/A2:2017
Muudab dokumenti: EVS-EN 60335-2-89:2010

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 13943:2010
Fire safety - Vocabulary

Keel: en
Alusdokumendid: ISO 13943:2008; EN ISO 13943:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 13943:2017
Standardi staatus: Kehtetu

EVS-ISO 5127:2004
Informatsioon ja dokumentatsioon. Sõnastik
Information and documentation - Vocabulary

Keel: en, et
Alusdokumendid: ISO 5127:2001
Asendatud järgmise dokumendiga: EVS-ISO 5127:2017
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN 14820:2004
Ühekordsed katsutid inimese veenivere proovide kogumiseks
Single-use containers for human venous blood specimen collection

Keel: en
Alusdokumendid: EN 14820:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 6710:2017
Standardi staatus: Kehtetu

EVS-EN ISO 21987:2009
Oftalmiline optika. Paigaldatud prilliklaasid
Ophthalmic optics - Mounted spectacle lenses

Keel: en
Alusdokumendid: ISO 21987:2009; EN ISO 21987:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 21987:2017
Standardi staatus: Kehtetu

EVS-EN ISO 22112:2006
Dentistry - Artificial teeth for dental prostheses

Keel: en
Alusdokumendid: ISO 22112:2005; EN ISO 22112:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 22112:2017
Standardi staatus: Kehtetu

EVS-EN ISO 8980-1:2004
Oftalmiline optika. Lahtilõikamata viimistletud prilliklaasid. Osa 1: Monofokaalsete ja multifokaalsete klaaside tehnilised andmed
Ophthalmic optics - Uncut finished spectacle lenses - Part 1: Specifications for single-vision and multifocal lenses

Keel: en
Alusdokumendid: ISO 8980-1:2004; EN ISO 8980-1:2004+AC:2005+AC:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 8980-1:2017
Standardi staatus: Kehtetu

EVS-EN ISO 8980-2:2004
Oftalmiline optika. Lahtilõikamata viimistletud prilliklaasid. Osa 2: Progresseeruva optilise tugevusega klaaside tehnilised andmed
Ophthalmic optics - Uncut finished spectacle lenses - Part 2: Specifications for progressive power lenses

Keel: en
Alusdokumendid: ISO 8980-2:2004; EN ISO 8980-2:2004+AC:2006

Asendatud järgmise dokumendiga: EVS-EN ISO 8980-2:2017
Parandatud järgmise dokumendiga: EVS-EN ISO 8980-2:2004/AC:2013
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN ISO 13943:2010
Fire safety - Vocabulary

Keel: en
Alusdokumendid: ISO 13943:2008; EN ISO 13943:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 13943:2017
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 16392-2:2014
Non-destructive testing - Characterisation and verification of ultrasonic phased array equipment - Part 2: Probes

Keel: en
Alusdokumendid: EN 16392-2:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 18563-2:2017
Standardi staatus: Kehtetu

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 12080:2008+A1:2010
Raudteealased rakendused. Rattapuksid. Veerelaagrid KONSOLIDEERITUD TEKST
Railway applications - Axleboxes - Rolling bearings CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12080:2007+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 12080:2017
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 13771-2:2007
Compressors and condensing units for refrigeration - Performance testing and test methods - Part 2: Condensing units

Keel: en
Alusdokumendid: EN 13771-2:2007
Asendatud järgmise dokumendiga: EVS-EN 13771-2:2017
Standardi staatus: Kehtetu

EVS-EN 1993-4-2/NA:2010
Eurokoodeks 3 - Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa
Eurocode 3 - Design of steel structures - Part 4-2: Tanks - Estonian National Annex

Keel: et, en
Asendatud järgmise dokumendiga: EVS-EN 1993-4-2:2007/NA:2017
Konsolideeritud järgmise dokumendiga: EVS-EN 1993-4-2:2007+NA:2010
Parandatud järgmise dokumendiga: EVS-EN 1993-4-2:2007/AC:2009
Standardi staatus: Kehtetu

EVS-EN 1993-4-2:2007+NA:2010
Eurokoodeks 3 - Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3 - Design of steel structures - Part 4-2: Tanks

Keel: et, en
Alusdokumendid: EVS-EN 1993-4-2/NA:2010; EN 1993-4-2:2007+AC:2009
Asendatud järgmise dokumendiga: EVS-EN 1993-4-2:2007+A1:2017+NA:2017
Parandatud järgmise dokumendiga: EVS-EN 1993-4-2:2007/AC:2009
Täiendatud rahvuslikult järgmise dokumendiga: EVS-EN 1993-4-2/NA:2010
Standardi staatus: Kehtetu

EVS-EN ISO 10156:2010

Gaasid ja gaaside segud. Tuleohtlikkuse ja oksüdeerimisvõime määramine balloonide väljalaskeventiilide valikuks
Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets

Keel: en
Alusdokumendid: EN ISO 10156:2009; ISO 10156:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10156:2017
Parandatud järgmise dokumendiga: EVS-EN ISO 10156:2010/AC:2010
Standardi staatus: Kehtetu

EVS-EN ISO 10156:2010/AC:2010

Gaasid ja gaaside segud. Tuleohtlikkuse ja oksüdeerimisvõime määramine balloonide väljalaskeventiilide valikuks
Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets - Technical Corrigendum 1

Keel: en
Alusdokumendid: ISO 10156:2010/Cor 1:2010; EN ISO 10156:2010/AC:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10156:2017
Standardi staatus: Kehtetu

EVS-EN ISO 15996:2005

Gas cylinders - Residual pressure valves - General requirements and type testing

Keel: en
Alusdokumendid: ISO 15996:2005; EN ISO 15996:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 15996:2017
Muudetud järgmise dokumendiga: EVS-EN ISO 15996:2005/A1:2008
Standardi staatus: Kehtetu

EVS-EN ISO 15996:2005/A1:2008

Gas cylinders - Residual pressure valves - General requirements and type testing - Amendment 1

Keel: en
Alusdokumendid: ISO 15996:2005/Amd 1:2007; EN ISO 15996:2005/A1:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 15996:2017
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN ISO 2082:2009

Metallic and other inorganic coatings - Electroplated coatings of cadmium with supplementary treatments on iron or steel

Keel: en
Alusdokumendid: ISO 2082:2008; EN ISO 2082:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 2082:2017
Standardi staatus: Kehtetu

EVS-EN ISO 2360:2004

Non-conductive coatings on non-magnetic electrically conductive basis materials - Measurement of coating thickness - Amplitude-sensitive eddy current method

Keel: en
Alusdokumendid: ISO 2360:2003; EN ISO 2360:2003
Asendatud järgmise dokumendiga: EVS-EN ISO 2360:2017
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 13771-2:2007

Compressors and condensing units for refrigeration - Performance testing and test methods - Part 2: Condensing units

Keel: en
Alusdokumendid: EN 13771-2:2007
Asendatud järgmise dokumendiga: EVS-EN 13771-2:2017
Standardi staatus: Kehtetu

EVS-EN 50380:2003
Datasheet and nameplate information for photovoltaic modules

Keel: en
Alusdokumendid: EN 50380:2003
Asendatud järgmise dokumendiga: EVS-EN 50380:2017
Standardi staatus: Kehtetu

EVS-EN 62256:2008
Hydraulic turbines, storage pumps and pump-turbines - Rehabilitation and performance improvement

Keel: en
Alusdokumendid: IEC 62256:2008; EN 62256:2008
Asendatud järgmise dokumendiga: EVS-EN 62256:2017
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 62561-3:2012
Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps

Keel: en
Alusdokumendid: IEC 62561-3:2012; EN 62561-3:2012
Asendatud järgmise dokumendiga: EVS-EN 62561-3:2017
Muudetud järgmise dokumendiga: EN 62561-3:2012/FprAA
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 61191-3:2002
Printed board assemblies - Part 3: Sectional specification - Requirements for through-hole mount soldered assemblies

Keel: en
Alusdokumendid: IEC 61191-3:1998; EN 61191-3:1998
Asendatud järgmise dokumendiga: EVS-EN 61191-3:2017
Standardi staatus: Kehtetu

EVS-EN ISO 11554:2008
Optika ja optilised mõõteriistad. Laser ja laseriga seonduvad seadmed. Katsemeetodid laserikiire võimsuse, energia ja ajutiste parameetrite määramiseks
Optics and photonics - Lasers and laser-related equipment - Test methods for laser beam power, energy and temporal characteristics

Keel: en
Alusdokumendid: ISO 11554:2006; EN ISO 11554:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 11554:2017
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 300 065 V2.1.1:2016
Kitsaribalise tähttrükkimise telegraafseadmed meteoroloogia- või navigatsioonialase informatsiooni vastuvõtmiseks (NAVTEX); Harmoneeritud standard direktiivi 2014/53/EL artiklite 3.2 ja 3.3(g) põhinõuete alusel
Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 300 065 V2.1.1
Asendatud järgmise dokumendiga: EVS-EN 300 065 V2.1.2:2016
Standardi staatus: Kehtetu

EVS-EN 300 113 V2.1.1:2016

Liikuv maaside; Antenniühendusega pidevat või vahelduvat mähisjoone modulatsiooni kasutavad raadioseadmed andme- ja/või kõneedastuseks; Harmoneeritud standard direktiivi 2014/53/EL artikli 3 lõike 2 põhinõuete alusel
Land Mobile Service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 300 113 V2.1.1
Asendatud järgmise dokumendiga: EVS-EN 300 113 V2.2.1:2017
Standardi staatus: Kehtetu

EVS-EN 300 422-1 V2.1.1:2016

Raadiomikrofonid; Audio PMSE kuni 3 GHz; Osa 1: Klass A vastuvõtjad; Harmoneeritud standard direktiivi 2014/53/EL artikli 3 lõike 2 põhinõuete alusel
Wireless Microphones; Audio PMSE up to 3 GHz; Part 1: Class A Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 300 422-1 V2.1.1
Asendatud järgmise dokumendiga: EVS-EN 300 422-1 V2.1.2:2017
Standardi staatus: Kehtetu

EVS-EN 302 961 V2.1.1:2016

Mereside personaalne sihitamise avariiraadiopoi, mis on mõeldud kasutamiseks sagedusel 121,5 MHz otsingu- ja päästetööde eesmärgil; Harmoneeritud standard direktiivi 2014/53/EL artikli 3 lõike 2 põhinõuete alusel
Maritime Personal Homing Beacon intended for use on the frequency 121,5 MHz for search and rescue purposes only; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 302 961 V2.1.1
Asendatud järgmise dokumendiga: EVS-EN 302 961 V2.1.2:2017
Standardi staatus: Kehtetu

EVS-EN 303 039 V2.1.1:2016

Liikuv maaside; Mitmekanaline saatja spetsifikatsioon PMR teenuse jaoks; Harmoneeritud standard direktiivi 2014/53/EL artikli 3 lõike 2 põhinõuete alusel
Land Mobile Service; Multichannel transmitter specification for the PMR Service; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 303 039 V2.1.1
Asendatud järgmise dokumendiga: EVS-EN 303 039 V2.1.2:2017
Standardi staatus: Kehtetu

EVS-EN 303 204 V2.1.1:2016

Võrgupõhised lähitoimeseadmed (SRD); Raadiosagedusalas 870 MHz kuni 876 MHz töötavad raadioseadmed, kus võimsus ulatub kuni 500 mW; Harmoneeritud EN direktiivi 2014/53/EL artikli 3 lõike 2 alusel
Network Based Short Range Devices (SRD); Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 303 204 V2.1.1
Asendatud järgmise dokumendiga: EVS-EN 303 204 V2.1.2:2017
Standardi staatus: Kehtetu

EVS-EN 303 340 V1.1.1:2017

Digitaalsed maapealsed TV ringhäälinguvastuvõtjad; Harmoneeritud EN direktiivi 2014/53/EU artikli 3.2 oluliste nõuete alusel
Digital Terrestrial TV Broadcast Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Keel: en
Alusdokumendid: EN 303 340 V1.1.1
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN ISO/TS 19844:2015

Health informatics - Identification of medicinal products - Implementation guidelines for data elements and structures for the unique identification and exchange of regulated information on substances (ISO/TS 19844:2015)

Keel: en
Alusdokumendid: CEN ISO/TS 19844:2015; ISO/TS 19844:2015
Asendatud järgmise dokumendiga: CEN ISO/TS 19844:2017
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 12080:2008+A1:2010

Raudteealased rakendused. Rattapuksid. Veerelaagrid KONSOLIDEERITUD TEKST
Railway applications - Axleboxes - Rolling bearings CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12080:2007+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 12080:2017
Standardi staatus: Kehtetu

EVS-EN 12082:2008+A1:2010

Raudteealased rakendused. Rattapuksid. Tööomaduste katsetamine KONSOLIDEERITUD TEKST
Railway applications - Axleboxes - Performance testing CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12082:2007+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 12082:2017
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2287:2000

Lennunduse ja kosmonautika seeria. Isemääriva kattega korrosioonikindlast terasest silepuksid. Mõõtmed ja koormused
Aerospace series - Bushes, plain corrosion resisting steel with self-lubricating liner - Dimensions and loads

Keel: en
Alusdokumendid: EN 2287:1989
Asendatud järgmise dokumendiga: EVS-EN 2287:2017
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 1833-4:2010

Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein and certain other fibres (method using hypochlorite)

Keel: en
Alusdokumendid: ISO 1833-4:2006; EN ISO 1833-4:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 1833-4:2017
Standardi staatus: Kehtetu

EVS-EN ISO 6179:2010

Rubber, vulcanized or thermoplastic - Rubber sheets and rubber-coated fabrics - Determination of transmission rate of volatile liquids (gravimetric technique)

Keel: en
Alusdokumendid: ISO 6179:2010; EN ISO 6179:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 6179:2017
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

EVS-EN 15695-2:2010

Põllumajandustraktorid ja liikurpritsid. Operaatori (juhi) kaitse ohtlike ainete eest. Osa 2: Filtrid, nõuded ja katseprotseduurid
Agricultural tractors and self-propelled sprayers - Protection of the operator (driver) against hazardous substances - Part 2: Filters, requirements and test procedures

Keel: en
Alusdokumendid: EN 15695-2:2009
Asendatud järgmise dokumendiga: EVS-EN 15695-2:2017
Parandatud järgmise dokumendiga: EVS-EN 15695-2:2010/AC:2011
Standardi staatus: Kehtetu

EVS-EN 15695-2:2010/AC:2011

Põllumajandustraktorid ja liikurpritsid. Operaatori (juhi) kaitse ohtlike ainete eest. Osa 2: Filtrid, nõuded ja katseprotseduurid
Agricultural tractors and self-propelled sprayers - Protection of the operator (driver) against hazardous substances - Part 2: Filters, requirements and test procedures

Keel: en
Alusdokumendid: EN 15695-2:2009/AC:2011
Asendatud järgmise dokumendiga: EVS-EN 15695-2:2017
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN ISO 10156:2010

Gaasid ja gaaside segud. Tuleohtlikkuse ja oksüdeerimisvõime määramine balloonide väljalaskeventiilide valikuks
Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets

Keel: en
Alusdokumendid: EN ISO 10156:2009; ISO 10156:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10156:2017
Parandatud järgmise dokumendiga: EVS-EN ISO 10156:2010/AC:2010
Standardi staatus: Kehtetu

EVS-EN ISO 10156:2010/AC:2010

Gaasid ja gaaside segud. Tuleohtlikkuse ja oksüdeerimisvõime määramine balloonide väljalaskeventiilide valikuks
Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets - Technical Corrigendum 1

Keel: en
Alusdokumendid: ISO 10156:2010/Cor 1:2010; EN ISO 10156:2010/AC:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10156:2017
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 12081:2008+A1:2010

Raudteealased rakendused. Rattapuksid. Määrdeained KONSOLIDEERITUD TEKST
Railway applications - Axleboxes - Lubricating greases CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12081:2007+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 12081:2017
Standardi staatus: Kehtetu

EVS-EN ISO 24817:2015

Petroleum, petrochemical and natural gas industries - Composite repairs for pipework - Qualification and design, installation, testing and inspection (ISO 24817:2015)

Keel: en
Alusdokumendid: ISO 24817:2015; EN ISO 24817:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 24817:2017
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 12438:2000
Magneesium ja magneesiumisulamid. Magneesiumisulamid anoodide valamiseks
Magnesium and magnesium alloys - Magnesium alloys for cast anodes

Keel: en
Alusdokumendid: EN 12438:1998
Asendatud järgmise dokumendiga: EVS-EN 12438:2017
Standardi staatus: Kehtetu

EVS-EN 1982:2008
Vask ja vasesulamid. Valukangid ja valandid
Copper and copper alloys - Ingots and castings

Keel: en
Alusdokumendid: EN 1982:2008
Asendatud järgmise dokumendiga: EVS-EN 1982:2017
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 302-2:2013
Adhesives for load-bearing timber structures - Test methods - Part 2: Determination of resistance to delamination

Keel: en
Alusdokumendid: EN 302-2:2013
Asendatud järgmise dokumendiga: EVS-EN 302-2:2017
Standardi staatus: Kehtetu

EVS-EN 302-3:2013
Adhesives for load-bearing timber structures - Test methods - Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength

Keel: en
Alusdokumendid: EN 302-3:2013
Asendatud järgmise dokumendiga: EVS-EN 302-3:2017
Standardi staatus: Kehtetu

EVS-EN ISO 6179:2010
Rubber, vulcanized or thermoplastic - Rubber sheets and rubber-coated fabrics - Determination of transmission rate of volatile liquids (gravimetric technique)

Keel: en
Alusdokumendid: ISO 6179:2010; EN ISO 6179:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 6179:2017
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12354-2:2005
Ehitusakustika. Hoonete akustilise toimivuse hindamine elementide akustilise toime põhjal. Osa 2: Ruumidevaheline löögiheli isolatsioon
Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms

Keel: en, et
Alusdokumendid: EN 12354-2:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 12354-2:2017
Standardi staatus: Kehtetu

EVS-EN 1993-4-2/NA:2010
Eurokoodeks 3 - Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa
Eurocode 3 - Design of steel structures - Part 4-2: Tanks. Estonian National Annex

Keel: et, en
Asendatud järgmise dokumendiga: EVS-EN 1993-4-2:2007/NA:2017

Konsolideeritud järgmise dokumendiga: EVS-EN 1993-4-2:2007+NA:2010
Parandatud järgmise dokumendiga: EVS-EN 1993-4-2:2007/AC:2009
Standardi staatus: Kehtetu

EVS-EN 1993-4-2:2007+NA:2010

Eurokoodeks 3 - Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3 - Design of steel structures - Part 4-2: Tanks

Keel: et, en
Alusdokumendid: EVS-EN 1993-4-2/NA:2010; EN 1993-4-2:2007+AC:2009
Asendatud järgmise dokumendiga: EVS-EN 1993-4-2:2007+A1:2017+NA:2017
Parandatud järgmise dokumendiga: EVS-EN 1993-4-2:2007/AC:2009
Täiendatud rahvuslikult järgmise dokumendiga: EVS-EN 1993-4-2/NA:2010
Standardi staatus: Kehtetu

EVS-EN 303-1:2000

Küttekatlad. Sundtõmbepõletitega küttekatlad. Osa 1: terminoloogia, üldnõuded, testimine ja märgistus
Heating boilers - Part 1: Heating boilers with forced draught burners - Terminology, general requirements, testing and marking

Keel: en
Alusdokumendid: EN 303-1:1999
Asendatud järgmise dokumendiga: EVS-EN 303-1:2017
Muudetud järgmise dokumendiga: EVS-EN 303-1:2000/A1:2003
Standardi staatus: Kehtetu

EVS-EN 303-1:2000/A1:2003

Küttekatlad. Sundtõmbepõletitega küttekatlad. Osa 1: terminoloogia, üldnõuded, testimine ja märgistus
Heating boilers - Part 1: Heating boilers with forced draught burners - Terminology, general requirements, testing and marking

Keel: en
Alusdokumendid: EN 303-1:1999/A1:2003
Asendatud järgmise dokumendiga: EVS-EN 303-1:2017
Standardi staatus: Kehtetu

EVS-EN 62561-3:2012

Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps

Keel: en
Alusdokumendid: IEC 62561-3:2012; EN 62561-3:2012
Asendatud järgmise dokumendiga: EVS-EN 62561-3:2017
Muudetud järgmise dokumendiga: EN 62561-3:2012/FprAA
Standardi staatus: Kehtetu

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 huvitatuil võimalik tutvuda standardikavanditega, esitada kommentaare ning teha ettepanekuid parandusteks. Eriti on oodatud teave, kui rahvusvahelist või Euroopa standardikavandit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel).

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

Iga arvamusküsitlusel oleva kavandi kohta on esitatud 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 kommenteerimisportaalis:
https://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

EVS-IEC 60050-161:2015/prA2

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary - Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 7:2017)

Muudatus standardile IEC 60050-161:1990.

Keel: en
Alusdokumendid: IEC 60050-161:1990/AMD7:2017
Muudab dokumenti: EVS-IEC 60050-161:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 8384

Ships and marine technology - Dredgers - Vocabulary (ISO/DIS 8384:2017)

This International Standard specifies terms and definitions relating to dredgers, with the aim of giving clear enough definitions for every term for them to be understood by all specialists. It applies only to equipment which is used for the construction and maintenance of navigable waterways and the extraction of soil and rocks. The terms specified in this International Standard are intended to be used in documentation of all kinds. Use of synonyms for the standardized terms, which are generally not included in this Standard, is not recommended. Certain standardized terms are also given with their abridged version; these may be used in cases where no possibility of misinterpretation can arise. Combination of terms is allowed in application. In cases when a definition contains a term defined elsewhere in the Standard, the corresponding item number follows in brackets.

Keel: en
Alusdokumendid: ISO/DIS 8384; prEN ISO 8384
Asendab dokumenti: EVS-EN ISO 8384:2002

Arvamusküsitluse lõppkuupäev: 18.11.2017

11 TERVISEHOOLDUS

EN ISO 11137-1:2015/prA2

Tervishoiutoodete steriliseerimine. Kiirgus. Osa 1: Nõuded meditsiiniseadmete steriliseerimisprotsessi väljatöötamisele, valideerimisele ja tavakontrollile
Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices - Amendment 2 (ISO 11137-1:2006/DAM 2:2017)

Muudatus standardile EN ISO 11137-1:2015

Keel: en
Alusdokumendid: ISO 11137-1:2006/DAmd 2; EN ISO 11137-1:2015/prA2
Muudab dokumenti: EVS-EN ISO 11137-1:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 11138-7

Sterilization of health care products - Biological indicators - Part 7: Self-contained biological indicators for moist heat sterilization (ISO/DIS 11138-7:2017)

This International Standard provides guidance for the selection, use and interpretation of results from application of biological indicators when used in the development, validation and routine monitoring of sterilization processes. 1.1 Exclusions This International Standard does not consider those processes that rely solely on physical removal of microorganisms, e.g., filtration. This International Standard is not intended to apply to combination processes using, for example, washerdisinfectors or flushing and steaming of pipelines. This International Standard does not specify requirements for the selection and use of biological indicators intended to monitor vaporised hydrogen peroxide processes for isolator and room biodecontamination processes at atmospheric pressure. This International Standard is not intended to apply to liquid immersion sterilization processes.

Keel: en
Alusdokumendid: ISO/DIS 11138-7; prEN ISO 11138-7
Asendab dokumenti: EVS-EN ISO 14161:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 1073-1:2016/prA1

Kaitserõivad tahkete õhus suspendeerunud osakeste, kaasa arvatud radioaktiivse saaste eest. Osa 1: Nõuded ja katsemeetodid keha ja hingamisteid kaitsvatele suruõhusüsteemist ventileeritavatele kaitserõivastele
Protective clothing against solid airborne particles including radioactive contamination - Part 1: Requirements and test methods for compressed air line ventilated protective clothing, protecting the body and the respiratory tract

This European Standard specifies the requirements and test methods for protective clothing, ventilated by an independent supply of air from an uncontaminated source, protecting the body and the respiratory system of the wearer against solid airborne particles including radioactive contamination. This kind of protective clothing can be provided with an emergency breathing facility. This European Standard does not apply for the protection against ionizing radiation and the protection of patients against contamination with radioactive substances by diagnostic and/or therapeutic measures. If additional protection against chemicals is required, reference should be made to the relevant standard and/or CEN/TR 15419.

Keel: en
Alusdokumendid: EN 1073-1:2016/prA1
Muudab dokumenti: EVS-EN 1073-1:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

EN ISO 10819:2013/prA1

Mehaaniline vibratsioon ja löögid. Labakäe-käsivarre vibratsioon. Meetod kinnaste vibratsiooniülekande mõõtmiseks ja hindamiseks peopesast
Mechanical vibration and shock - Hand-arm vibration - Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand - Amendment 1 (ISO 10819:2013/DAmd 1:2017)

Muudatus standardile EN ISO 10819:2013

Keel: en
Alusdokumendid: ISO 10819:2013/DAmd 1; EN ISO 10819:2013/prA1
Muudab dokumenti: EVS-EN ISO 10819:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 16402

Paints and varnishes - Assessment of emissions of substances from coatings into indoor air - Sampling, conditioning and testing

This European Standard specifies a reference method for the determination of emissions from coatings into indoor air. This method is applicable to volatile organic compounds, semi-volatile organic compounds and volatile aldehydes. NOTE This European Standard is aimed at describing the overall procedure and makes use of existing standards mainly by normative reference complemented when necessary with additional or modified normative requirements. This European Standard applies to coatings for indoor use as listed in Clause 5.It is not applicable to coatings that are applied off site or coatings that are applied on site, prior to the structure being permanently weatherproof. It is not applicable for tinting pastes that are not ready for use as coating. It is mainly aimed at determining emission data in indoor air for the purpose of voluntary labelling of products but may also be used for CE marking and associated Attestation of Conformity in the case of products that are covered by the construction products directive.

Keel: en
Alusdokumendid: prEN 16402
Asendab dokumenti: EVS-EN 16402:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 343

Protective clothing - Protection against rain

This European Standard specifies requirements and test methods applicable to ready-made garments, materials and seams of protective clothing against the influence of precipitation (e.g. rain, snowflakes), fog and ground humidity.

Keel: en
Alusdokumendid: prEN 343
Asendab dokumenti: EVS-EN 343:2003+A1:2007
Asendab dokumenti: EVS-EN 343:2003+A1:2007/AC:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 50131-8:2017

Alarm systems - Intrusion and hold-up systems - Part 8: Security fog devices

This European Standard specifies the requirements for Security Fog Devices connected to an I&HAS. It covers application and performance and also gives the necessary tests and trials to ensure efficiency and reliability of such obscuration devices. This European Standard also gives guidance on the criteria for design, installation, operation and maintenance of Security Fog Devices. A Security Fog Device is not considered to be a component of an I&HAS and no requirements are given relating to the security grade described in EN 50131-1.

Keel: en
Alusdokumendid: prEN 50131-8:2017
Asendab dokumenti: EVS-EN 50131-8:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 14034

Environmental management - Environmental technology verification (ETV) (ISO 14034:2016)

ISO 14034:2016 specifies principles, procedures and requirements for environmental technology verification (ETV).

Keel: en
Alusdokumendid: ISO 14034:2016; prEN ISO 14034

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 14052

Environmental management - Material flow cost accounting - Guidance for practical implementation in a supply chain (ISO 14052:2017)

ISO 14052:2017 provides guidance for the practical implementation of material flow cost accounting (MFCA) in a supply chain. MFCA fundamentally traces the flows and stocks of materials within an organization, quantifies these material flows in physical units (e.g. mass, volume) and evaluates the costs associated with material flows and energy uses. MFCA is applicable to any organization that uses materials and energy, regardless of its products, services, size, structure, location, and existing management and accounting systems. In principle, MFCA can be applied as an environmental management accounting tool in the supply chain, both upstream and downstream, and can help to develop an integrated approach for improving material and energy efficiency in the supply chain. ISO 14052:2017 is based on the principles and general framework for MFCA described in ISO 14051. The MFCA framework presented in this document includes scenarios for improving material and energy efficiency in a supply chain, principles for successful application of MFCA in a supply chain, information sharing, and practical steps for the implementation of MFCA in a supply chain.

Keel: en
Alusdokumendid: ISO 14052:2017; prEN ISO 14052

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEVS 812-4

Ehitiste tuleohutus. Osa 4: Tööstus- ja laohoonete ning garaažide tuleohutus
Fire safety of constructions - Part 4: Fire safety of industrial buildings, storages and garages

See standard sätestab ehituslikud tuleohutusnõuded tööstus-, lao- ja põllumajandushoonete ruumide (VI kasutusviis), garaažide (VII kasutusviis) ning vastava tegevusega muude hoonete üksikruumide projekteerimiseks ja ehitamiseks.

Keel: et
Asendab dokumenti: EVS 812-4:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN 13487

Heat exchanger - Forced convection air cooled refrigerant condensers and dry coolers - Sound measurement

1.1 General This European Standard is one of a series of European Standards dedicated to air-cooled heat exchangers. - forced convection air cooled refrigerant condensers as specified in EN 327; - forced convection unit air coolers for refrigeration as specified in EN 328; - air cooled liquid coolers "dry coolers" as specified in EN 1048. This standard provides information for

assessing and presenting the acoustic emission characteristics of heat exchangers under stationary operating conditions. This European Standard is applicable to selfstanding forced convection air cooled refrigerant condensers and air cooled liquid coolers "dry coolers" and air coolers. 1.2 Size of source The method specified in EN ISO 3744, EN ISO 3745, EN ISO 3746, EN ISO 9614 1 and EN ISO 9614 2 is applicable to noise sources of any size. Limitations for the size of the source are given in 1.3 of EN ISO 3741:2010, EN ISO 3743 1:2010 and EN ISO 3743 2:2009. 1.3 Object This European Standard offers ways to determine the sound power level of units. Some of them are specifically adapted to provide results with low uncertainties, by using laboratory class or engineering class acoustic methods under highly controlled working conditions. Those results are suitable for certification, labeling and marking purposes. This standard is concerned with objective methods for determining sound power levels LW, expressed in decibels (dB) with reference to a sound power of one picowatt (1 pW), of airborne acoustical noise within the specified frequency range of interest and for prescribed operating conditions of the appliance to be measured: - A-weighted sound power level, LWA; - spectral sound power levels; - emission sound pressure level at workplace, LpA.

Keel: en
Alusdokumendid: prEN 13487
Asendab dokumenti: EVS-EN 13487:2004

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 15610

Railway applications - Acoustics - Rail and wheel roughness measurement related to rolling noise generation

This European Standard specifies a direct method for characterizing the surface roughness of the rail and wheel associated with rolling noise ("acoustic roughness"), in the form of a one-third octave band spectrum. This standard describes a method for: a) selecting measuring positions along a track or selecting wheels of a vehicle; b) selecting lateral positions for measurements; c) the data acquisition procedure; d) measurement data processing in order to estimate a set of one-third octave band roughness spectra; e) presentation of this estimate for comparison with limits of acoustic roughness; f) comparison with a given upper limit in terms of a one-third octave band wavelength spectrum; g) the measuring system requirements. It is applicable to: a) the performance testing of reference track sections in relation to the acceptance test for noise emitted by railway vehicles; b) the performance testing of track sections in relation to noise emitted by railway vehicles; c) the acceptance of the running surface condition only in the case where the acoustic roughness is the acceptance criterion; d) the assessment of the wheel surface condition as an input for the acoustic acceptance of brake blocks; e) the assessment of the wheel and rail roughness as input to the calculation of combined wheel rail roughness; f) the diagnosis of wheel-rail noise issues for specific tracks or wheels; g) the assessment of the wheel and rail roughness as input to rolling noise modelling; h) the assessment of the wheel and rail roughness as input to noise source separation methods. It is not applicable to the: a) measurement of roughness using an indirect method; b) direct measurement of combined wheel-rail roughness; c) analysis of the effect of wheel-rail interaction, such as a “contact filter”; d) approval of rail and wheel reprofiling, including rail grinding operations, except for those where the acoustic roughness is specifically the approval criterion (and not the grinding quality criteria as provided in e.g. EN 13231); e) characterisation of track and wheel geometry except where associated with noise generation.

Keel: en
Alusdokumendid: prEN 15610
Asendab dokumenti: EVS-EN 15610:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 61083-3:2017

Instruments and software used for measurement in high-voltage and high-current tests - Part 3: Requirements for hardware for tests with alternating and direct voltages and currents

This part of IEC 61083 is applicable to digital recording instruments used for measurements during tests with high alternating and direct voltages and currents It specifies the measuring characteristics and calibrations required to meet the measuring uncertainties and procedures specified in the relevant IEC standards (e.g. IEC 60060-1, IEC 60060-2, IEC 60060-3, IEC 62475, IEC 61180). This standard is applicable to those digital recording instruments that are designed and type tested after publishing of this standard. Digital recording instruments are considered as black boxes (including Hardware, Firmware, and Software). They are characterised for their intended application by physical calibration with the waveforms needed for that application.

Keel: en
Alusdokumendid: IEC 61083-3:201X; prEN 61083-3:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

19 KATSETAMINE

prEN 61083-3:2017

Instruments and software used for measurement in high-voltage and high-current tests - Part 3: Requirements for hardware for tests with alternating and direct voltages and currents

This part of IEC 61083 is applicable to digital recording instruments used for measurements during tests with high alternating and direct voltages and currents It specifies the measuring characteristics and calibrations required to meet the measuring uncertainties and procedures specified in the relevant IEC standards (e.g. IEC 60060-1, IEC 60060-2, IEC 60060-3, IEC 62475, IEC 61180). This standard is applicable to those digital recording instruments that are designed and type tested after publishing of this standard. Digital recording instruments are considered as black boxes (including Hardware, Firmware, and Software). They are characterised for their intended application by physical calibration with the waveforms needed for that application.

Keel: en
Alusdokumendid: IEC 61083-3:201X; prEN 61083-3:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 16728:2016/prA1

LPG equipment and accessories - Transportable refillable LPG cylinders other than traditional welded and brazed steel cylinders - Periodic inspection

This European Standard specifies procedures for periodic inspection and testing, for transportable refillable LPG cylinders with a water capacity from 0,5 l up to and including 150 l. This European Standard is applicable to the following: - welded steel LPG cylinders manufactured to an alternative design and construction, see EN 14140 or equivalent standard; - welded aluminium LPG cylinders, see EN 13110 or equivalent standard; - composite LPG cylinders, see EN 14427 or equivalent standard; - over-moulded cylinders designed and manufactured according to EN 1442 or EN 14140, see Annex F. NOTE The requirements of RID/ADR take precedence over those of this Standard in the case of cylinders complying with that regulation, including pi marked cylinders. This European Standard does not apply to cylinders permanently installed in vehicles.

Keel: en
Alusdokumendid: EN 16728:2016/prA1
Muudab dokumenti: EVS-EN 16728:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 17166

Fans - Procedures and methods to determine the energy efficiency for the electrical input power range of 125 W up to 500 kW

This harmonized European Standard provides procedures and methods for measuring and/or calculating the energy efficiency and associated characteristics of fans when driven by electric motors.

Keel: en
Alusdokumendid: prEN 17166

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 88-3

Safety and control devices for gas burners and gas burning appliances - Part 3: Pressure and/or flow rate regulators for inlet pressures up to and including 500 kPa, electronic types

This European Standard specifies the safety, design, construction, and performance requirements and testing for electronic pressure and/or flow rate regulators for burners and appliances burning one or more gaseous fuels, hereafter referred to as ‘regulators’. This European Standard is applicable to: - regulators with declared maximum inlet pressures up to and including 500 kPa with nominal connection sizes up to and including DN 250; - regulators which use auxiliary energy; - regulators, which function by controlling a gas outlet pressure or a gas flow rate; - regulators with a modular structure approved as a unit; - regulators intended for gas appliances to be installed in the open air and exposed to the environment. This European Standard does not cover: - regulators connected directly to a gas distribution network or to a container that maintains a standard distribution pressure; - electronic fuel/air ratio controls (see EN 12067-2). NOTE EN 12067-2 is applicable to regulators being part of an electronic fuel/air ratio system.

Keel: en
Alusdokumendid: prEN 88-3

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 10893-6

Non-destructive testing of steel tubes - Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO/DIS 10893-6:2017)

This part of ISO 10893 specifies requirements for film-based radiographic X-ray testing of the longitudinal or helical weld seams of automated fusion arc-welded steel tubes for the detection of imperfections. It can also be applicable to the testing of circular hollow sections. NOTE As an alternative, see ISO 10893-7 for digital radiographic testing.

Keel: en
Alusdokumendid: ISO/DIS 10893-6; prEN ISO 10893-6 rev
Asendab dokumenti: EVS-EN ISO 10893-6:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 10893-7

Non-destructive testing of steel tubes - Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO/DIS 10893-7:2017)

This part of ISO 10893 specifies the requirements for digital radiographic X-ray testing by either computed radiography (CR) or radiography with digital detector arrays (DDA) of the longitudinal or helical weld seams of automatic fusion arc-welded steel tubes for the detection of imperfections. This part of ISO 10893 specifies acceptance levels and calibration procedures. This part of ISO 10893 can also be applicable to the testing of circular hollow sections.

Keel: en
Alusdokumendid: ISO/DIS 10893-7; prEN ISO 10893-7

Asendab dokumenti: EVS-EN ISO 10893-7:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 28017

Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications - Specification (ISO/FDIS 28017:2017)

This document specifies requirements for two types, seven classes and three grades of wire- or textile-reinforced dredging hoses with nominal sizes ranging from 100 to 1 200. Within each class, all grades and sizes have the same maximum working pressure. Such hoses are suitable for the delivery or suction of seawater or freshwater mixed with silt, sand, coral and small stones with a specific gravity in the range from 1,0 to 2,3 at ambient temperatures ranging from −10 °C to +40 °C. This document covers two types of hose, as follows: — type 1: floating type, for delivery only, which includes flotation material to give the hose buoyancy; — type 2: submarine type for delivery and suction. This document does not specify requirements concerning the service life of hoses or hose assemblies. Specifying such requirements is the responsibility of the customer, in consultation with the hose manufacturer.

Keel: en
Alusdokumendid: ISO/FDIS 28017; prEN ISO 28017
Asendab dokumenti: EVS-EN ISO 28017:2011
Asendab dokumenti: EVS-EN ISO 28017:2011/A1:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

25 TOOTMISTEHNOLOOGIA

EN 62657-2:2017/prA1:2017

Industrial communication networks - Wireless communication networks - Part 2: Coexistence management

Amendment for EN 62657-2:2017

Keel: en
Alusdokumendid: IEC 62657-2:2017/A1:201X; EN 62657-2:2017/prA1:2017
Muudab dokumenti: EVS-EN 62657-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 15620

Welding - Friction welding of metallic materials (ISO/DIS 15620:2017)

This document specifies requirements for the friction welding of components manufactured from metals. It specifies requirements particular to rotational friction welding related to welding knowledge, quality requirements, welding procedure specification, welding procedure approval and welding personnel. This document is appropriate where a contract, an application standard or regulatory requirement requires the demonstration of the manufacturer's capability to produce welded constructions of a specified quality. It has been prepared in a comprehensive manner to be used as a reference in contracts. The requirements given may be adopted in full or some may be deleted, if not relevant to the construction concerned.

Keel: en
Alusdokumendid: ISO/DIS 15620; prEN ISO 15620
Asendab dokumenti: EVS-EN ISO 15620:2000

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 17660-1

Welding - Welding of reinforcing steel - Part 1: Load-bearing welded joints (ISO/DIS 17660-1:2017)

This part of ISO 17660 is applicable to the welding of weldable reinforcing steel and stainless reinforcing steel of load-bearing joints, in workshops or on site. It specifies requirements for materials, design and execution of welded joints, welding personnel, quality requirements, examination and testing. This part of ISO 17660 also covers welded joints between reinforcing steel bars and other steel components, such as connection devices and insertion anchors, including prefabricated assemblies. Non load-bearing joints are covered by ISO 17660-2. This part of ISO 17660 is not applicable to factory production of welding fabric and lattice girders using multiple spot welding machines or multiple projection welding machines. The requirements of this part of ISO 17660 are only applicable to static loaded structures. NOTE For fatigue-loaded structures, depending on type of joint and welding process, it is recommended that an appropriate reduction be taken into account on the fatigue strength of the reinforcing steel.

Keel: en
Alusdokumendid: ISO/DIS 17660-1; prEN ISO 17660-1
Asendab dokumenti: EVS-EN ISO 17660-1:2006

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 17660-2

Welding - Welding of reinforcing steel - Part 2: Non load-bearing welded joints (ISO/DIS 17660-2:2017)

This part of ISO 17660 is applicable to the welding of weldable reinforcing steel and stainless reinforcing steel of non load-bearing welded joints, in workshops or on site. It specifies requirements for materials, design and execution of welded joints, welding personnel, quality requirements, examination and testing. Load-bearing welded joints are covered by ISO 17660-1.

Keel: en
Alusdokumendid: ISO/DIS 17660-2; prEN ISO 17660-2
Asendab dokumenti: EVS-EN ISO 17660-2:2006

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 20601

Non-destructive testing of welds - Ultrasonic testing - Use of automated phased array technology for steel components with small wall thickness (ISO/DIS 20601:2017)

Non-destructive testing of welds - Ultrasonic testing - Use of (semi-)automated phased array technology for steel components with small wall thickness

Keel: en
Alusdokumendid: ISO/DIS 20601; prEN ISO 20601

Arvamusküsitluse lõppkuupäev: 18.11.2017

27 ELEKTRI- JA SOOJUSENERGEETIKA

EN 62446-1:2016/prA1:2017

Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection

Amendment for EN 62446-1:2016

Keel: en
Alusdokumendid: IEC 62446-1:2016/A1:201X; EN 62446-1:2016/prA1:2017
Muudab dokumenti: EVS-EN 62446-1:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 13487

Heat exchanger - Forced convection air cooled refrigerant condensers and dry coolers - Sound measurement

1.1 General This European Standard is one of a series of European Standards dedicated to air-cooled heat exchangers. - forced convection air cooled refrigerant condensers as specified in EN 327; - forced convection unit air coolers for refrigeration as specified in EN 328; - air cooled liquid coolers "dry coolers" as specified in EN 1048. This standard provides information for assessing and presenting the acoustic emission characteristics of heat exchangers under stationary operating conditions. This European Standard is applicable to selfstanding forced convection air cooled refrigerant condensers and air cooled liquid coolers "dry coolers" and air coolers. 1.2 Size of source The method specified in EN ISO 3744, EN ISO 3745, EN ISO 3746, EN ISO 9614 1 and EN ISO 9614 2 is applicable to noise sources of any size. Limitations for the size of the source are given in 1.3 of EN ISO 3741:2010, EN ISO 3743 1:2010 and EN ISO 3743 2:2009. 1.3 Object This European Standard offers ways to determine the sound power level of units. Some of them are specifically adapted to provide results with low uncertainties, by using laboratory class or engineering class acoustic methods under highly controlled working conditions. Those results are suitable for certification, labeling and marking purposes. This standard is concerned with objective methods for determining sound power levels LW, expressed in decibels (dB) with reference to a sound power of one picowatt (1 pW), of airborne acoustical noise within the specified frequency range of interest and for prescribed operating conditions of the appliance to be measured: - A-weighted sound power level, LWA; - spectral sound power levels; - emission sound pressure level at workplace, LpA.

Keel: en
Alusdokumendid: prEN 13487
Asendab dokumenti: EVS-EN 13487:2004

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62862-3-2:2017

Solar thermal electric plants - Part 3-2: Systems and components - General requirements and test methods for large-size parabolic-trough collectors

This International standard specifies the requirements and the test methods for the characterization of a large-size parabolic-trough collector This standard covers the determination of optical and thermal performance of parabolic-trough collectors, and the tracking accuracy of the collector one-axis tracking system. This test method is for outdoor testing only. This standard applies to parabolic-trough collectors equipped with the manufacturer-supplied sun tracking mechanism. The testing method in this standard does not apply to any collector under operating conditions where phase-change of the fluid occurs. This standard applies to the whole collector. The different component/ elements (such as the receiver, reflector, tracker, structure) should be tested separately by current testing methods when available.

Keel: en
Alusdokumendid: IEC 62862-3-2:201X; prEN 62862-3-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 63132-1:2017

Guide for installation procedures and tolerances of hydroelectric machines - Part 1: Common

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

Keel: en
Alusdokumendid: IEC 63132-1:201X; prEN 63132-1:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 63132-2:2017

Guide for installation procedures and tolerances of hydroelectric machines - Part 2: Vertical generator

The purpose of this guide is to establish, in a general way, suitable procedures and tolerances for installation of generator. This guide presents a typical assembly. It should be recognized that there are many possible ways to assemble a unit. The size of the machines, design of the machines, layout of the powerhouse or delivery schedule of the components are some of the elements that could result in additional steps, the elimination of some steps and/or assembly sequences. It is understood that a publication of this type will be binding only if, and to the extent that, both contracting parties have agreed upon it. The guide excludes matters of purely commercial interest, except those inextricably bound up with the conduct of installation. The guide applies to vertical generators according to IEC 60034-7 Rev. 4. The tolerances in this guide have been established upon Best Practices and experience, although it is recognized that other standards are specifying different tolerances. Brushless excitation system is not included in the guide. Wherever the guide specifies that documents, drawings or information shall be supplied by a manufacturer (or by manufacturers), each individual manufacturer shall be required to furnish the appropriate information for their own supply only.

Keel: en
Alusdokumendid: IEC 63132-2:201X; prEN 63132-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 63132-3:2017

Guide for installation procedures and tolerances of hydroelectric machines - Part 3: Vertical Francis turbine or pump-turbine

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

Keel: en
Alusdokumendid: IEC 63132-3:201X; prEN 63132-3:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 63132-4:2017

Guide for installation procedures and tolerances of hydroelectric machines - Part 4: Vertical Kaplan or propeller turbine

The purpose of this guide is to establish, in a general way, suitable procedures and tolerances for the installation of hydroelectric turbines and generators. This guide presents a typical assembly. It should be recognized that there are many possible ways to assemble a unit. The size of the machines, design of the machines, layout of the powerhouse and delivery schedule of the components are some of the elements that could result in additional steps, the elimination of some steps and/or assembly sequences. It is understood that a publication of this type will be binding only if, and to the extent that, both contracting parties have agreed upon it. The guide excludes matters of purely commercial interest, except those inextricably bound up with the conduct of installation. Wherever the guide specifies that documents, drawings or information shall be supplied by a manufacturer (or by manufacturers), each individual manufacturer shall be required to furnish the appropriate information for their own supply only.

Keel: en
Alusdokumendid: prEN 63132-4:2017; IEC 63132-4:201X (4/334/CDV)

Arvamusküsitluse lõppkuupäev: 18.11.2017

prHD 60364-8-2:2017

Low-voltage electrical installations - Part 8-2: Smart Low-Voltage Electrical Installations

This part of IEC 60364 provides additional requirements, measures and recommendations for design, erection and verification of all types of low-voltage electrical installation according to Clause 11 of IEC 60364-1:2005 including local production and storage of energy in order to ensure the compatibility with the existing and future ways to deliver the electrical energy to current-using equipment or to the public network by means of local sources. Such electrical installations are equipped with a local Electrical Energy Management System (EEMS) and are designated as Prosumer's Electrical Installations (PEI). This document also provides requirements for proper behavior and actions of PEI in order to efficiently obtain sustainable and safe operations of it when integrated into smart grids. These requirements and recommendations apply, within the scope of the IEC 60364 series, for new installations and modification of existing installations. NOTE Electrical sources for safety services including associated electrical installations and standby electrical supply systems for a secure continuity of supply, which are operated only occasionally and for short periods (e.g. monthly 1 hour) in parallel with the distribution grid for testing purposes, are outside the scope of this part.

Keel: en
Alusdokumendid: IEC 60364-8-2:201X; prHD 60364-8-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

29 ELEKTROTEHNIKA

EN 60811-501:2012/prA1:2017

Elektrilised kaablid ja optilised kiudkaablid. Mittemetallmaterjalide katsetusviisid. Osa 501: Mehaanilised katsetused. Isoleer- ja mantlikompaundide katsetamine mehaaniliste tunnussuuruste kindlakstegemiseks
Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds

Amendment for EN 60811-501:2012

Keel: en
Alusdokumendid: IEC 60811-501:2012/A1:201X; EN 60811-501:2012/prA1:2017
Muudab dokumenti: EVS-EN 60811-501:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

EN 62752:2016/prA1:2017

Kaabliga ühitatud juhtimis- ja kaitseseadis elektriliste teesõidukite laadimiseks mooduses 2
In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)

Amendment for EN 62752:2016

Keel: en
Alusdokumendid: IEC 62752:2016/A1:201X; EN 62752:2016/prA1:2017
Muudab dokumenti: EVS-EN 62752:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

EVS-IEC 60050-161:2015/prA2

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 7:2017)

Muudatus standardile IEC 60050-161:1990.

Keel: en
Alusdokumendid: IEC 60050-161:1990/AMD7:2017
Muudab dokumenti: EVS-IEC 60050-161:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 62793:2017

Protection against lightning - Thunderstorm warning systems

This International Standard describes the characteristics of thunderstorm warning systems and evaluation of the usefulness of lightning real time data and/or storm electrification data in order to implement lightning hazard preventive measures. This standard provides the basic requirements for sensors and networks collecting accurate data of the relevant parameters, giving real-time information of lightning tracks and range. It describes the application of the data collected by these sensors and networks in the form of warnings and historical data. This standard applies to the use of information from thunderstorm warning systems (systems or equipment providing real-time information) on atmospheric electric activity in order to monitor preventive measures.

Keel: en
Alusdokumendid: IEC 62793:2016; FprEN 62793:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 60034-14:2017

Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity

This part of IEC 60034 specifies the factory acceptance vibration test procedures and vibration limits for certain electrical machines under specified conditions, when uncoupled from any load or prime mover. It is applicable to d.c. and three-phase a.c. machines, with shaft heights 56 mm and higher and a rated output up to 50 MW, at operational speeds from 120 min–1 up to and including 15 000 min–1. This standard is not applicable to machines mounted in situ, three-phase commutator motors, single-phase machines, three-phase machines operated on single-phase systems, vertical waterpower generators, turbine generators greater than 20 MW and machines with magnetic bearings or series-wound machines. NOTE: For machines measured in situ refer to applicable parts of ISO 20816, ISO 10816 and ISO 7919.

Keel: en
Alusdokumendid: IEC 60034-14:201X; prEN 60034-14:2017
Asendab dokumenti: EVS-EN 60034-14:2004
Asendab dokumenti: EVS-EN 60034-14:2004/A1:2007

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 61810-10:2017

Electromechanical elementary relays - Part 10: High capacity relays - Additional functional aspects and safety requirements

This part of IEC 61810, which functional aspects and safety requirements, applies to high capacity/performance electromechanical elementary relays (non-specified time all-or-nothing relays) for incorporation into low voltage equipment (circuits up to 1 500 V DC and up to 1 000 V AC). These relays may have a specific design to extinguish the electric arcing between contacts (e.g. by magnetic blow-out), or use an insulation coordination not covered by IEC 61810-1 (e.g by gas filled contact chambers), or require safety assessments not covered by IEC 61810-1 (e.g for higher loads). It defines additional requirements for high-capacity relays with generic performance intended for use in applications in smart grids, electric vehicles and other applications where e.g. battery charge/discharge switching is used, such as: • Electrical Energy Storage (EES) Systems, • Solar photovoltaic energy systems, • Electric road vehicles (EV) and electric industrial trucks, • Power electronic systems and equipment, • Secondary cells and batteries, • Road vehicles. Compliance with the requirements of this standard is verified by the type tests indicated. NOTE This standard is intended to be used in conjunction with IEC 61810-1: 2015.

Keel: en
Alusdokumendid: IEC 61810-10:201X; prEN 61810-10:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-1:2017

Protection against lightning - Part 1: General principles

This part of IEC 62305 provides general principles to be followed for protection of structures against lightning, including their installations and contents, as well as persons. The following cases are outside the scope of this standard: - railway systems; - vehicles, ships, aircraft, offshore installations; - underground high pressure pipelines; - pipe, power and telecommunication lines placed outside the structure - nuclear power plants. NOTE1 These systems usually fall under special regulations produced by various specialized authorities. NOTE2 Lightning protection of wind turbines is also covered by IEC 61400-24.

Keel: en
Alusdokumendid: IEC 62305-1:201X; prEN 62305-1:2017
Asendab dokumenti: EVS-EN 62305-1:2011
Asendab dokumenti: EVS-EN 62305-1:2011/AC:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-2:2017

Protection against lightning - Part 2: Risk management

This part of IEC 62305 is applicable to risk management for a structure due to lightning flashes to earth. Its purpose is to provide a procedure for the evaluation of such a risk. Once an upper tolerable limit for the risk has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit. Risk management also includes the evaluation of frequency of damage of internal systems caused by surges due to lightning flashes to earth. Once an upper tolerable limit for the frequency of damage has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the frequency of damage to or below the tolerable limit.

Keel: en
Alusdokumendid: IEC 62305-2:201X; prEN 62305-2:2017
Asendab dokumenti: EVS-EN 62305-2:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-3:2017

Protection against lightning - Part 3: Physical damage to structures and life hazard

This part of IEC 62305 provides the requirements for protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS (see IEC 62305-1). This standard is applicable to: a) design, installation, inspection and maintenance of an LPS for structures without limitation of their height, b) establishment of measures for protection against injury to living beings due to touch and step voltages. NOTE 1 Specific requirements for an LPS in structures dangerous to their surroundings due to the risk of explosion are

provided in Annex C. NOTE 2 This part of IEC 62305 is not intended to provide protection against failures of electrical and electronic systems due to overvoltages. Specific requirements for such cases are provided in IEC 62305-4. NOTE 3 Specific requirements for protection against lightning of wind turbines are reported in IEC 61400-24 [2]. NOTE 4: Specific requirements for protection against lightning of photovoltaic systems are reported in IEC 61643-32 [7].

Keel: en
Alusdokumendid: IEC 62305-3:201X; prEN 62305-3:2017
Asendab dokumenti: EVS-EN 62305-3:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-4:2017

Protection against lightning - Part 4: Electrical and electronic systems within structures

This part of IEC 62305 provides information for the design, installation, inspection, maintenance and testing of electrical and electronic system protection (SPM) to reduce the risk of permanent failures due to lightning electromagnetic impulse (LEMP) within a structure. This standard does not cover protection against electromagnetic interference due to lightning, which may cause malfunctioning of internal systems. However, the information reported in Annex A can also be used to evaluate such disturbances. Protection measures against electromagnetic interference are covered in IEC 60364-4-44[2]1and in the IEC 61000 series[3]. This standard provides guidelines for cooperation between the designer of the electrical and electronic system, and the designer of the protection measures, in an attempt to achieve optimum protection effectiveness. This standard does not deal with detailed design of the electrical and electronic systems themselves.

Keel: en
Alusdokumendid: IEC 62305-4:201X; prEN 62305-4:2017
Asendab dokumenti: EVS-EN 62305-4:2011
Asendab dokumenti: EVS-EN 62305-4:2011/AC:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

31 ELEKTROONIKA

prEN 61076-3-123:2017

Connectors for electronic equipment - Product requirements - Part 3-123: Rectangular connectors - Detail specification for hybrid connectors for industrial environments, for power supply and fibre optic data transmission, with push-pull locking

This International Standard covers hybrid rectangular connectors with a 3 poles 16 A electric portion for power supply and a duplex fibre optic connector type LC portion for data transmission. These connectors consist of fixed and free connectors, either rewirable or non-rewirable (for both portions) and use the rectangular push-pull housing described in IEC 61076-3-117 with IP65/IP67 degree of protection, for harsh applications. The mating dimensions of such housings allow fulfilling the performance class Category I according to IEC 61753-1-3 in regards to the fibre optic portion of the connector with the exception of the operating temperature range which is -25 °C/+70 °C. The electric portion may have different rated insulation voltages. Male connectors have 3 electric round contacts Ø1,6 mm, with 16 A rated current. NOTE – Only the phase/neutral contacts need to be loaded upon current carrying capacity test of 2.5 and 4.4.3 and electrical load and temperature test in 5.2.2.5 (DP2) and 5.2.2.11 (KP5)

Keel: en
Alusdokumendid: IEC 61076-3-123:201X; prEN 61076-3-123:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

33 SIDETEHNIKA

EN 55011:2016/prA2:2017 {fragment 1}

Tööstus-, teadus- ja meditsiiniseadmed. Raadiosageduslike häiringute tunnussuurused. Piirväärtused ja mõõtemeetodid
Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement - Requirements for air-gap wireless power transfer (WPT)

Ftagment 1 for EN 55011:2016/prA2

Keel: en
Alusdokumendid: CISPR 11:2015/A2:201X {fragment 1}; EN 55011:2016/prA2:2017 {fragment 1}
Muudab dokumenti: EVS-EN 55011:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

EN 62657-2:2017/prA1:2017

Industrial communication networks - Wireless communication networks - Part 2: Coexistence management

Amendment for EN 62657-2:2017

Keel: en
Alusdokumendid: IEC 62657-2:2017/A1:201X; EN 62657-2:2017/prA1:2017
Muudab dokumenti: EVS-EN 62657-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

EVS-IEC 60050-161:2015/prA2

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 7:2017)

Muudatus standardile IEC 60050-161:1990.

Keel: en
Alusdokumendid: IEC 60050-161:1990/AMD7:2017
Muudab dokumenti: EVS-IEC 60050-161:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 60793-1-49:2017

Optical fibres - Part 1-49: Measurement methods and test procedures - Differential mode delay

This part of IEC 60793 applies only to multimode, graded-index glass-core (category A1) fibres. The test method is commonly used in production and research facilities, but is not easily accomplished in the field. This standard describes a method for characterizing the modal structure of a graded-index multimode fibre. This information is useful for assessing the bandwidth performance of a fibre especially when the fibre is intended to support a range of launch conditions, for example, those produced by standardized laser transmitters. With this method, the output from a probe fibre that is single-moded at the test wavelength excites the multimode fibre under test. The probe spot is scanned across the end-face of the fibre under test at specified radial positions, and a set of response pulses are acquired at these positions.

Keel: en
Alusdokumendid: IEC 60793-1-49:201X; prEN 60793-1-49:2017
Asendab dokumenti: EVS-EN 60793-1-49:2006

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 60794-4-20:2017

Optical fibre cables - Part 4-20: Aerial optical cables along electrical power lines - Family specification for ADSS (All Dielectric Self Supported) Optical cables

This part of IEC 60794-4, which is a family specification, covers optical telecommunication cables, commonly with single-mode fibres1 to be used primarily in overhead power lines applications. The cable may also be used in other overhead utility networks, such as for telephony or TV services. Requirements of the sectional specification IEC 60794-4 for aerial optical cables along electrical power lines are applicable to cables covered by this standard. This standard covers the construction, mechanical, electrical, and optical performance, installation guidelines, acceptance criteria, test requirements, environmental considerations, and accessories compatibility for an all dielectric, self-supporting fibre optic (ADSS) cable. The standard provides construction and performance requirements that ensure, within the guidelines of the standard, that the required mechanical integrity of the cable components as 155 well as optical fibre mechanical reliability and transmission parameters are maintained. The ADSS cable consists of single mode optical fibres contained in one or more protective dielectric fibre optic units surrounded by or attached to suitable dielectric strength members and sheaths. The cable does not contain metallic components. An ADSS cable is designed to meet the optical and mechanical requirements under different installation, operating and environmental conditions and loadings, as described in Annex B. This standard excludes any “lashed” or “wrapped” OPAC cables included in 60794-4. Figure 8 aerial cables are also excluded; they are specified in 60794-3-20.

Keel: en
Alusdokumendid: IEC 60794-4-20:201X; prEN 60794-4-20:2017
Asendab dokumenti: EVS-EN 60794-4-20:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 61754-7-3:2017

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-3: Type MPO connector family - Two fibre rows 16 fibre wide

This part of IEC 61754 defines the standard interface dimensions for type MPO family of connectors with two rows of 16 fibres.

Keel: en
Alusdokumendid: IEC 61754-7-3:201X; prEN 61754-7-3:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62680-1-2:2017

Universal Serial Bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery Specification

This specification is intended as an extension to the existing [USB 2.0], [USB 3.1], [USB Type-C 1.2] and [USBBC 1.2] specifications. It addresses only the elements required to implement USB Power Delivery. It is targeted at power supply vendors, manufacturers of [USB 2.0], [USB 3.1], [USB Type-C 1.2] and [USBBC 1.2] Platforms, Devices and cable assemblies. Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, may illustrate possible design implementation.

Keel: en
Alusdokumendid: IEC 62680-1-2:201X; prEN 62680-1-2:2017
Asendab dokumenti: prEN 62680-1-2:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

35 INFOTEHNOLOOGIA

EN 62657-2:2017/prA1:2017
Industrial communication networks - Wireless communication networks - Part 2: Coexistence management

Amendment for EN 62657-2:2017

Keel: en
Alusdokumendid: IEC 62657-2:2017/A1:201X; EN 62657-2:2017/prA1:2017
Muudab dokumenti: EVS-EN 62657-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62680-1-2:2017
Universal Serial Bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery Specification

This specification is intended as an extension to the existing [USB 2.0], [USB 3.1], [USB Type-C 1.2] and [USBBC 1.2] specifications. It addresses only the elements required to implement USB Power Delivery. It is targeted at power supply vendors, manufacturers of [USB 2.0], [USB 3.1], [USB Type-C 1.2] and [USBBC 1.2] Platforms, Devices and cable assemblies. Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, may illustrate possible design implementation.

Keel: en
Alusdokumendid: IEC 62680-1-2:201X; prEN 62680-1-2:2017
Asendab dokumenti: prEN 62680-1-2:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 19146
Geographic information - Cross-domain vocabularies (ISO/DIS 19146:2017)

This document establishes a methodology for cross-mapping vocabularies. It also specifies an implementation of ISO 19135-1:2015 Geographic information - Procedures for item registration - Part 1: Fundamentals for the purpose of registering cross-mapped vocabulary entries. Methodologies for the development of ontologies and taxonomies that relate to geographic information and geomatics are not within the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 19146; prEN ISO 19146
Asendab dokumenti: EVS-EN ISO 19146:2010

Arvamusküsitluse lõppkuupäev: 18.11.2017

43 MAANTEESÕIDUKITE EHITUS

prHD 60364-7-722:2017
Low-voltage electrical installations - Part 7-722: Requirements for special installations or locations - Supplies for electric vehicles

The particular requirements of this part of IEC 60364 apply to – circuits intended to supply energy to electric vehicles, and – circuits intended for feeding back electricity from electric vehicles. Circuits covered by this part are terminated at the connecting point. NOTE This section does not cover the assessment of the risk of explosion due to the possible production of hydrogen / other flammable gases during the battery recharging phase.

Keel: en
Alusdokumendid: IEC 60364-7-722:201X; prHD 60364-7-722:2017
Asendab dokumenti: EVS-HD 60364-7-722:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

45 RAUDTEETEHNIKA

prEN 13272-1
Railway applications - Electrical lighting for rolling stock in public transport systems - Part 1: Mainline Rail

This European Standard contains performance requirements and recommendations for electrical lighting systems in the interiors of public transport railway rolling stock under all operating and emergency conditions. This European Standard does not address lighting installed in instruments or controls.

Keel: en
Alusdokumendid: prEN 13272-1
Asendab osaliselt dokumenti: EVS-EN 13272:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 13272-2

Railway applications - Electrical lighting for rolling stock in public transport systems - Part 2: Urban rail systems

This European Standard contains performance requirements and recommendations for electrical lighting systems in the interiors of public transport urban rail vehicles, as defined in the CEN-CENELEC Guide 26, i.e. Metro Systems, Trams, Light Rail, and Local Rail Systems, under all operating and emergency conditions. This European Standard also defines the requirements for testing and conformity assessment. This European Standard does not address lighting installed in instruments or controls. This European Standard does not address lighting installed for indication purposes, including flashing lights and effect lighting. NOTE 1 The requirements for interior lighting for trains can be found in prEN 13272-1 NOTE 2 The requirements for cab instrument lighting can be found in EN 16186-2.

Keel: en
Alusdokumendid: prEN 13272-2
Asendab dokumenti: EVS-EN 13272:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 14752

Railway applications - Bodyside entrance systems for rolling stock

This European Standard applies 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: prEN 14752
Asendab dokumenti: EVS-EN 14752:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 15153-1

Railway applications - External visible and audible warning devices - Part 1: Head, marker and tail lamps for mainline rail

This European Standard defines the functional and technical requirements for head, marker and tail lamps for high speed trains and conventional trains, excluding road, metro and self-contained systems. This European Standard also defines the requirements for testing and conformity assessment. Portable lamps are excluded from the scope of this European Standard.

Keel: en
Alusdokumendid: prEN 15153-1
Asendab dokumenti: EVS-EN 15153-1:2013+A1:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 15153-2

Railway applications - External visible and audible warning devices - Part 2: Warning horns for mainline rail

This European standard defines warning horn requirements which deliver the required audibility of approaching high speed trains and conventional trains, excluding road, metro and self-contained systems. For this purpose, the following requirements are included: - functional and technical requirements of the warning horn as a component, - functional and technical requirements of the integration of warning horns into the vehicle, and - test requirements. Operational requirements for warning horns have been excluded. NOTE The requirements for the control of warning horns can be found in EN 16186-2.

Keel: en
Alusdokumendid: prEN 15153-2
Asendab dokumenti: EVS-EN 15153-2:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 15153-3

Railway applications - External visible and audible warning devices - Part 3: External visible warning devices for urban rail

This European Standard defines the functional and technical requirements for exterior visible warning devices for urban rail vehicles as defined in the CEN-CENELEC Guide 26, i.e. metro systems, trams, light rail, and local rail systems. This European Standard also defines the requirements for testing and conformity assessment. NOTE The requirements for exterior visible warning devices for mainline rail are found in prEN 15153-1.

Keel: en
Alusdokumendid: prEN 15153-3

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 15153-4

Railway applications - External visible and audible warning devices - Part 4: Warning horns for urban rail

This European Standard defines the acoustic requirements and the test requirements for warning horns, bells (single and recurring sound) and whistles for urban rail vehicles as defined in the CEN CENELEC Guide 26, i.e. metro systems, trams, light rail, and 'local rail' systems. Additionally, the requirements for 'tram/trains' are included. NOTE The requirements for audible warning devices for mainline rail are found in prEN 15153-2.

Keel: en
Alusdokumendid: prEN 15153-4

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 17149

Railway Applications - Fatigue strength assessment of railway vehicle structures based on cumulative damage

The purpose of this European standard is to specify the procedure for fatigue strength assessment of railway vehicle structures based on cumulative damage. This document is applicable to all rail vehicle structures, which are covered by EN 12663 series (car body) and EN 13749 (bogie frame). It considers materials used for design of car bodies and bogie frames (steel, aluminum, castings and forgings) and the manufacturing according to the standards valid for railway applications. Note As a manufacturing standard, EN 15085 series covers the welding of rail vehicle structures. It is applicable for variable amplitude load data with total number of cycles higher than 10000 cycles. This document is not applicable for: - Corrosive conditions or - Elevated temperature operation in the creep range. A static strength assessment is outside the scope of this European Standard.

Keel: en
Alusdokumendid: prEN 17149

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 17168

Railway applications - Platform barrier systems

This European Standard specifies requirements for the design, construction and operation of platform barrier systems positioned at the edge of a station platform immediately adjacent to rail or other guided vehicles in stations and boarding points for passenger services and includes: - requirements for the fixed structure and fixed parts along the platform; - physical requirements for the movable doors and gates normally used by passengers; - requirements for emergency doors; - requirements for driver access doors; - requirements for platform extremity doors; - requirements for management of safety risks that are particular to barrier systems. This European Standard also gives requirements for the integration of barriers with the overall rail system including: - synchronization of vehicle and platform barrier doors or gates; - audible and visible alerts; - integrity of control systems; - testing of the barrier installation; - operational performance; - requirements relating to other interfacing sub-systems, notably signalling and vehicles. For barrier systems set back from the platform edge, which are used to control access to trains or for crowd management, relevant sections of the document can be used as guidance. This European Standard applies to all actors involved in the implementation and system integration of a platform barrier system, including owners, designers, installers and operators. This European Standard does not cover barrier systems using bars, ropes, etc. or which operate in a vertical direction. Nevertheless, compliance with relevant clauses from this document can be used in developing safety justifications for these alternative types of barrier system. This European Standard applies to light rail services, e.g. metro and tramway systems and heavy rail services as requested by a project specification. It applies to small systems, working in conjunction with a single vehicle, or with larger systems working with a complete train. This European Standard applies to platform barrier systems used at sub-surface stations, enclosed surface stations (e.g. those enclosed for the purposes of providing an air-conditioned environment for waiting passengers), and those fully in the open-air. This European Standard does not cover normative requirements relating to fire performance or fire requirements arising from use of platform barrier systems as fire barriers.

Keel: en
Alusdokumendid: prEN 17168

Arvamusküsitluse lõppkuupäev: 18.11.2017

47 LAEVAEHITUS JA MERE-EHITISED

prEN 61993-2:2017

Maritime navigation and radiocommunication equipment and systems - Automatic Identification Systems (AIS) - Part 2: Class A shipborne equipment of the automatic identification system (AIS) - Operational and performance requirements, methods of test and required test results

This part of IEC 61993 specifies the minimum operational and performance requirements, methods of testing and required test results conforming to performance standards adopted by the IMO in Resolution MSC.74(69), Annex 3, Shipborne Automatic Identification System. This standard incorporates the applicable technical characteristics of Class A shipborne equipment included in Recommendation ITU-R M.1371 and takes into account the ITU Radio Regulations, where applicable. In addition, it takes account of IMO Resolution A.694(17) to which IEC 60945 is associated. When a requirement in this standard is different from IEC 60945, the requirement of this standard takes precedence.

Keel: en

Alusdokumendid: IEC 61993-2:201X; prEN 61993-2:2017
Asendab dokumenti: EVS-EN 61993-2:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62923-1:2017

Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 1: Operational and performance requirements, methods of testing and required test results

This International Standard specifies the operational and performance requirements, methods of testing, and required test results, for the bridge alert management (BAM) in support of IMO resolution MSC.302(87). It is applicable to all alerts presented on and transferred to the bridge. NOTE All text of this standard, whose wording is identical to that of IMO resolution MSC.302(87), is printed in italics, and the resolution and associated performance standard paragraph numbers are indicated in brackets. (MSC 302/2) To enhance the safety of operation, the Performance standards given in resolution MSC.302(87) provide requirements for the harmonized presentation and treatment of alerts on the bridge and specify a central alert management (CAM) system. Annex E provides guidance on design principles that, when applied, will achieve the desired enhancement of safety. (MSC 302/3) Module A (Clause 6) of this standard describes the general concept of the BAM and the presentation of alerts on the bridge equipment. Modules B (Clause 7) and D (Clause 9) contain requirements for the CAM and the CAM-HMI. Module C (Clause 8) describes the interface requirements for BAM.

Keel: en
Alusdokumendid: IEC 62923-1:201X; prEN 62923-1:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62923-2:2017

Maritime navigation and radiocommunication equipment and systems - Bridge alert management - Part 2: Alert and cluster identifiers and other additional features

This part of IEC 62923 specifies mandatory alert identifiers and reserved cluster identifiers to be used when applying bridge alert management.

Keel: en
Alusdokumendid: IEC 62923-2:201X; prEN 62923-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 8384

Ships and marine technology - Dredgers - Vocabulary (ISO/DIS 8384:2017)

This International Standard specifies terms and definitions relating to dredgers, with the aim of giving clear enough definitions for every term for them to be understood by all specialists. It applies only to equipment which is used for the construction and maintenance of navigable waterways and the extraction of soil and rocks. The terms specified in this International Standard are intended to be used in documentation of all kinds. Use of synonyms for the standardized terms, which are generally not included in this Standard, is not recommended. Certain standardized terms are also given with their abridged version; these may be used in cases where no possibility of misinterpretation can arise. Combination of terms is allowed in application. In cases when a definition contains a term defined elsewhere in the Standard, the corresponding item number follows in brackets.

Keel: en
Alusdokumendid: ISO/DIS 8384; prEN ISO 8384
Asendab dokumenti: EVS-EN ISO 8384:2002

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 8385

Ships and marine technology - Dredgers - Classification (ISO/DIS 8385:2017)

This standard provides a single classification for all types of dredgers designed for loosening, raising, transporting and disposing of dredged material.

Keel: en
Alusdokumendid: ISO/DIS 8385; prEN ISO 8385
Asendab dokumenti: EVS-EN ISO 8385:2000

Arvamusküsitluse lõppkuupäev: 18.11.2017

49 LENNUNDUS JA KOSMOSETEHNIKA

FprEN 3745-505

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 505: Cable tensile strength

This European Standard specifies a method for measuring the tensile properties of a fibre optic cable. It shall be used together with EN 3745-100.

Keel: en
Alusdokumendid: FprEN 3745-505
Asendab dokumenti: EVS-EN 3745-505:2007

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 4832

Aerospace series - Adaptor, Pipe coupling 24° Cone up to 35 000 kPa (5 080 psi) Ring-locked fitting and Ring-locked fitting-reducer - Inch Series - Technical specification

This specification establishes the requirements for ring locked fitting assemblies according to EN 4833 and EN 4836, for use in aircraft systems at nominal operating pressure of 35 000 kPa (5 080 psi) maximum and temperature range of −54 °C to +135 °C (−65 °F to +275 °F).

Keel: en
Alusdokumendid: FprEN 4832

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 4833

Aerospace series - Pipe coupling 24° Cone up to 35 000 kPa (5 080 psi) Ring-locked fitting - Flareless End - Inch Series - Extra Fine Thread Pitch

This standard specifies the dimensions, tolerances, required characteristics and the mass of an adaptor, flareless tube end EN 6123, ring locked type, for use in 35 000 kPa (5 080 psi) working pressure systems.

Keel: en
Alusdokumendid: FprEN 4833

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 4834

Aerospace series - Adaptor, Pipe coupling 24° Cone up to 35 000 kPa (5 080 psi) Port for Ring locked fitting - Inch Series - Geometric configuration

This standard specifies the dimensions, tolerances and requirements of a port for a fluid connection with ring locked fitting, for use in aircraft systems at nominal operating pressure of 35 000 kPa (5 080 psi) maximum and temperature range of −54 to +135 °C (−65 to +275 °F).

Keel: en
Alusdokumendid: FprEN 4834

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 4835

Aerospace series - Installation and removal requirements for Ring locked fitting and reducer, 24° Cone up to 35 000 kPa (5 080 psi) - Inch Series

This European Standard specifies the installation and removal requirements for adaptors and reducers, threaded, with lockring for pipe couplings 24° according to EN 4833 and EN 4836. This European Standard establishes an accurate procedure of adaptor installation, removal and reinstallation to ensure the repeatability of the installation operation and to ensure the effective compliance to sealing and locking requirements. The adaptor shown on all Figures of this European Standard is given as an example for the 24° internal cone interface according to EN 6123. This procedure is used for adaptors 24°, for nominal pressure up to 35 000 kPa (5 080 psi).

Keel: en
Alusdokumendid: FprEN 4835

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 4836

Aerospace series - Adaptor, Pipe coupling 24° Cone up to 35 000 kPa (5 080 psi) Ring-locked fitting - Reducer - Flareless End - Inch Series - Extra Fine Thread Pitch

This European Standard specifies the dimensions, tolerances, required characteristics and the mass of a reducer, flareless tube end EN 6123, ring locked type, for use in 35 000 kPa (5 080 psi) working pressure systems.

Keel: en
Alusdokumendid: FprEN 4836

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 4838-001

Aerospace series - Arc Fault Circuit breakers, single-pole, temperature compensated, rated current 3 A to 25 A - 115 V a.c. 400 Hz Constant Frequency - Part 001: Technical specification

This European Standard specifies the single-pole temperature compensated arc fault circuit breakers with or without signal contacts, rated from 3 A to 25 A and used in aircraft on-board circuits. In any operating state a "trip-free" tripping is ensured. These items are designed to protect aircraft wiring system from circuit overload and arc faults. It describes specific environmental, electrical and mechanical characteristics and the stringency of tests to be applied according to test methods of EN 3841-100. If the design of the arc fault circuit breakers contains software or complex hardware, as a minimum, the software and hardware shall

be developed in accordance with RTCA DO-178B or C, DAL C and RTCA DO 254, DAL C, respectively. These arc fault circuit breakers are intended for use in aircraft with electrical supplies in accordance with EN 2282.

Keel: en
Alusdokumendid: FprEN 4838-001

Arvamusküsitluse lõppkuupäev: 18.11.2017

53 TÕSTE- JA TEISALDUS-SEADMED

prEN ISO 7590
Steel cord conveyor belts - Methods for the determination of total thickness and cover thickness (ISO/DIS 7590:2017)

This International Standard specifies three methods for the measurement of total belt thickness and the thickness of covers of steel cord conveyor belts. Methods A1 and A2 (micrometer methods) can be used for all steel cord conveyor belts for the measurement of both total belt thickness and cover thickness. Method B (optical method) is recommended for the measurement of cover thickness only. It is not suitable if there is a textile or metal weft, nor if the ends of the steel cords become twisted when cut.

Keel: en
Alusdokumendid: ISO/DIS 7590; prEN ISO 7590
Asendab dokumenti: EVS-EN ISO 7590:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN 16711-3
Textiles - Determination of metal content - Determination of lead release by artificial saliva solution

Desribes a method for the determination of lead release in textiles

Keel: en
Alusdokumendid: prEN 16711-3

Arvamusküsitluse lõppkuupäev: 18.11.2017

75 NAFTA JA NAFTATEHNOLOOGIA

prEN ISO 11961
Petroleum and natural gas industries - Steel drill pipe (ISO/DIS 11961:2017)

This International Standard specifies the technical delivery conditions for steel drill-pipes with upset pipe-body ends and weld-on tool joints for use in drilling and production operations in petroleum and natural gas industries for three product specification levels (PSL-1, PSL-2 and PSL-3). The requirements for PSL-1 form the basis of this International Standard. The requirements that define different levels of standard technical requirements for PSL-2 and PSL-3 are in Annex G. This International Standard covers the following grades of drill-pipe: grade E drill-pipe; high-strength grades of drill-pipe, grades X, G and S; enhanced H2S resistance drill pipe, grades D and F.

Keel: en
Alusdokumendid: ISO/DIS 11961; prEN ISO 11961
Asendab dokumenti: EVS-EN ISO 11961:2008
Asendab dokumenti: EVS-EN ISO 11961:2008/AC:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 19906
Petroleum and natural gas industries - Arctic offshore structures (ISO/DIS 19906:2017)

This document specifies requirements and provides recommendations and guidance for the design, construction, transportation, installation and decommissioning of offshore structures related to the activities of the petroleum and natural gas industries in arctic and cold regions. Reference to arctic and cold regions in this document is deemed to include both the Arctic and other locations characterized by low ambient temperatures and the presence or possibility of sea ice, icebergs, icing conditions, persistent snow cover, and/or permafrost. The objective of this document is to ensure that complete structures, including substructures, topsides structures, floating production vessel hulls, foundations and mooring systems, in arctic and cold regions provide an appropriate level of reliability with respect to personnel safety, environmental protection and asset value. Value includes value to the owner, to the industry and to society in general.

Keel: en
Alusdokumendid: ISO/DIS 19906; prEN ISO 19906
Asendab dokumenti: EVS-EN ISO 19906:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

77 METALLURGIA

prEN 10058

Hot rolled flat steel bars and steel wide flats for general purposes - Dimensions and tolerances on shape and dimensions

This European Standard specifies the nominal dimensions and the tolerances on dimensions and shape of hot-rolled steel flat bars and steel wide flats for general purposes. This standard is not applicable to spring leaves, see EN 10092-1.

Keel: en
Alusdokumendid: prEN 10058
Asendab dokumenti: EVS-EN 10058:2004

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 10225-1

Weldable structural steels for fixed offshore structures - Technical delivery conditions - Part 1: Plates

This part of EN 10225 specifies requirements for weldable structural steels to be used in the fabrication of fixed offshore structures in the form of plates. Following thickness limitations are given in this standard: - S355NL1O up to and including 200 mm; - S355ML1O, S420ML1O, S460ML1O, S500ML1O up to and including 120 mm; - S420QLO, S460QLO, S500QLO, S550QLO, S620QLO, S690QLO up to and including 150 mm. Greater thicknesses may be agreed, provided the technical requirements of this European Standard are maintained. The standard is applicable to steels for offshore structures, designed to operate in the offshore sector but not to steels supplied for the fabrication of subsea pipelines, risers, process equipment, process piping and other utilities. It is primarily applicable to the North Sea Sector, but may also be applicable in other areas provided that due consideration is given to local conditions e. g. temperature. NOTE There is an Annex F on the prequalification of steels for fixed offshore structures in arctic areas. Minimum yield strengths up to 690 MPa are specified together with low temperature impact properties at temperatures down to -40 °C.

Keel: en
Alusdokumendid: prEN 10225-1
Asendab dokumenti: EVS-EN 10225:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 10225-2

Weldable structural steels for fixed offshore structures - Technical delivery conditions - Part 2: Sections

This part of EN 10225 specifies requirements for weldable structural steels to be used in the fabrication of fixed offshore structures in the form of sections (e.g. H-, I-, Z-sections, U-channels, angles and tees) excluding hollow sections. The thickness limitation in this standard is up to and including 63 mm. For steel qualities with mechanical properties in the transverse direction (named xL2O) sections with flange widths smaller than 180 mm and channels with flange smaller widths than 90 mm cannot be ordered. Greater thicknesses may be agreed, provided the technical requirements of this European Standard are maintained. The standard is applicable to steels for offshore structures, designed to operate in the offshore sector but not to steels supplied for the fabrication of subsea pipelines, risers, process equipment, process piping and other utilities. It is primarily applicable to the North Sea Sector, but may also be applicable in other areas provided that due consideration is given to local conditions e. g. temperature. NOTE There is an Annex E on the prequalification of steels for fixed offshore structures in arctic areas. Minimum yield strengths up to 460 MPa are specified together with low temperature impact properties at temperatures down to -40 °C.

Keel: en
Alusdokumendid: prEN 10225-2
Asendab dokumenti: EVS-EN 10225:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 10225-3

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

This part of EN 10225 specifies requirements for weldable structural steels made of hot finished seamless and high frequency welded hollow sections to be used in the fabrication of fixed offshore structures. Following thickness limitations are given in this standard: - for seamless hollow sections up to and including 65 mm; - for HFW hollow sections up to and including 25,4 mm. Greater thicknesses may be agreed, provided the technical requirements of this European Standard are maintained. The standard is applicable to steels for offshore structures, designed to operate in the offshore sector but not to steels supplied for the fabrication of subsea pipelines, risers, process equipment, process piping and other utilities. It is primarily applicable to the North Sea Sector, but may also be applicable in other areas provided that due consideration is given to local conditions e. g. temperature. NOTE There is an Annex G on the prequalification of steels for fixed offshore structures in arctic areas. Minimum yield strengths up to 770 MPa are specified together with low temperature impact properties at temperatures down to -40 °C.

Keel: en
Alusdokumendid: prEN 10225-3
Asendab dokumenti: EVS-EN 10225:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 10893-6

Non-destructive testing of steel tubes - Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO/DIS 10893-6:2017)

This part of ISO 10893 specifies requirements for film-based radiographic X-ray testing of the longitudinal or helical weld seams of automated fusion arc-welded steel tubes for the detection of imperfections. It can also be applicable to the testing of circular hollow sections. NOTE As an alternative, see ISO 10893-7 for digital radiographic testing.

Keel: en
Alusdokumendid: ISO/DIS 10893-6; prEN ISO 10893-6 rev
Asendab dokumenti: EVS-EN ISO 10893-6:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 10893-7

Non-destructive testing of steel tubes - Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO/DIS 10893-7:2017)

This part of ISO 10893 specifies the requirements for digital radiographic X-ray testing by either computed radiography (CR) or radiography with digital detector arrays (DDA) of the longitudinal or helical weld seams of automatic fusion arc-welded steel tubes for the detection of imperfections. This part of ISO 10893 specifies acceptance levels and calibration procedures. This part of ISO 10893 can also be applicable to the testing of circular hollow sections.

Keel: en
Alusdokumendid: ISO/DIS 10893-7; prEN ISO 10893-7
Asendab dokumenti: EVS-EN ISO 10893-7:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 11961

Petroleum and natural gas industries - Steel drill pipe (ISO/DIS 11961:2017)

This International Standard specifies the technical delivery conditions for steel drill-pipes with upset pipe-body ends and weld-on tool joints for use in drilling and production operations in petroleum and natural gas industries for three product specification levels (PSL-1, PSL-2 and PSL-3). The requirements for PSL-1 form the basis of this International Standard. The requirements that define different levels of standard technical requirements for PSL-2 and PSL-3 are in Annex G. This International Standard covers the following grades of drill-pipe: grade E drill-pipe; high-strength grades of drill-pipe, grades X, G and S; enhanced H2S resistance drill pipe, grades D and F.

Keel: en
Alusdokumendid: ISO/DIS 11961; prEN ISO 11961
Asendab dokumenti: EVS-EN ISO 11961:2008
Asendab dokumenti: EVS-EN ISO 11961:2008/AC:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 16151

Corrosion of metals and alloys - Accelerated cyclic test with exposure to acidified salt spray, dry and wet conditions (ISO/DIS 16151:2017)

This document specifies two accelerated corrosion-test procedures, Methods A and B, for the comparative evaluation of metallic materials with or without permanent corrosion protection or temporary corrosion protection in outdoor salt/acid rain environments. It also specifies the apparatus used. The two tests involve cyclic exposure of the specimens to acidified salt spray, “dry” and “wet” conditions. The particular advantages of the two tests over conventional accelerated tests, such as the neutral salt spray test (NSS) as specified in ISO 9227 lie in their better ability to reproduce the corrosion that occurs in outdoor salt and/or acid rain environments. They are also useful for evaluating cosmetic corrosion. Method A applies to - metals and their alloys, - metallic coatings (cathodic), - anodic oxide coatings, and - organic coatings on metallic materials. Method B applies to - steel coated with anodic coatings, and - steel coated with anodic coatings covered with conversion coatings.

Keel: en
Alusdokumendid: ISO/DIS 16151; prEN ISO 16151
Asendab dokumenti: EVS-EN ISO 16151:2008

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 643

Steels - Micrographic determination of the apparent grain size (ISO/DIS 643:2017)

This International Standard specifies a micrographic method of determining apparent ferritic or austenitic grain size in steels. It describes the methods of revealing grain boundaries and of estimating the mean grain size of specimens with unimodal size distribution. Although grains are three-dimensional in shape, the metallographic sectioning plane can cut through a grain at any point from a grain corner, to the maximum diameter of the grain, thus producing a range of apparent grain sizes on the two-dimensional plane, even in a sample with a perfectly consistent grain size.

Keel: en
Alusdokumendid: ISO/DIS 643; prEN ISO 643
Asendab dokumenti: EVS-EN ISO 643:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

83 KUMMI- JA PLASTITÖÖSTUS

prEN 438-8

High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 8: Classification and specifications for design laminates

This European Standard specifies performance requirements for design laminates intended for interior use with a design effect surface having a phenolic based core and a decorative surface, not covered by EN 438 3 [1], EN 438 4 [2], EN 438 5 [3] and EN 438 6 [5]. Three surface layer types (metal, wood veneer and pearlescent decor) are defined in this part of EN 438. EN 438 2 specifies the test methods relevant to this part of EN 438.

Keel: en
Alusdokumendid: prEN 438-8
Asendab dokumenti: EVS-EN 438-8:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 20430

Plastics and rubber machines - Injection moulding machines - Safety requirements (ISO/DIS 20430:2017)

This standard specifies the essential safety requirements for the design, construction and use of injection moulding machines for the processing of plastics and/or rubber.

Keel: en
Alusdokumendid: ISO/DIS 20430.2; prEN ISO 20430
Asendab dokumenti: EVS-EN 201:2009

Arvamusküsitluse lõppkuupäev: 18.10.2017

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN 16402

Paints and varnishes - Assessment of emissions of substances from coatings into indoor air - Sampling, conditioning and testing

This European Standard specifies a reference method for the determination of emissions from coatings into indoor air. This method is applicable to volatile organic compounds, semi-volatile organic compounds and volatile aldehydes. NOTE This European Standard is aimed at describing the overall procedure and makes use of existing standards mainly by normative reference complemented when necessary with additional or modified normative requirements. This European Standard applies to coatings for indoor use as listed in Clause 5.It is not applicable to coatings that are applied off site or coatings that are applied on site, prior to the structure being permanently weatherproof. It is not applicable for tinting pastes that are not ready for use as coating. It is mainly aimed at determining emission data in indoor air for the purpose of voluntary labelling of products but may also be used for CE marking and associated Attestation of Conformity in the case of products that are covered by the construction products directive.

Keel: en
Alusdokumendid: prEN 16402
Asendab dokumenti: EVS-EN 16402:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 2812-5

Paints and varnishes - Determination of resistance to liquids - Part 5: Temperature-gradient oven method (ISO/DIS 2812-5:2017)

This part of ISO 2812 specifies a method, using a temperature-gradient oven, for determining the resistance of an individual-layer or multi-layer system of coating materials to the effects of liquids or paste-like products. This method enables the testers to determine the effects of the test substance on the coating and, if necessary, to assess the damage to the substrate.

Keel: en
Alusdokumendid: ISO/DIS 2812-5; prEN ISO 2812-5
Asendab dokumenti: EVS-EN ISO 2812-5:2007

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 4623-1

Paints and varnishes - Determination of resistance to filiform corrosion - Part 1: Steel substrates (ISO/DIS 4623-1:2017)

This part of ISO 4623 describes a test procedure for assessing the protective action of coatings of paints or varnishes on steel against filiform corrosion arising from a scribed mark cut through the coating. It is only suitable for assessing the performance of the coating/substrate combination tested. It is not suitable for predicting the performance of the coating on different substrates.

Keel: en
Alusdokumendid: ISO/DIS 4623-1; prEN ISO 4623-1 rev
Asendab dokumenti: EVS-EN ISO 4623-1:2002

Arvamusküsitluse lõppkuupäev: 18.11.2017

91 EHITUSMATERJALID JA EHITUS

EN 13407:2015/prA1:2017

Wall-hung urinals - Functional requirements and test methods

This European Standard specifies constructional and performance requirements together with test methods for wall-hung urinals made of vitreous china or stainless steel that are used for personal hygiene. This European Standard does not apply to slab and stall urinals nor to waterless urinals.

Keel: en
Alusdokumendid: EN 13407:2015/prA1:2017
Muudab dokumenti: EVS-EN 13407:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

EN 14296:2015/prA1

Sanitaarseadmed. Üldkasutatavad pesukünad
Sanitary appliances - Communal washing troughs

This document specifies requirements for the cleanability, load resistance and durability of communal washing troughs used for domestic purposes. NOTE For the purposes of this document, the term "domestic purposes" includes use in factory changing-rooms, sportsclubs, accommodation for students, hospitals and similar buildings, except when special medical provisions are required.

Keel: en
Alusdokumendid: EN 14296:2015/prA1
Muudab dokumenti: EVS-EN 14296:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

EN 14528:2015/prA1

Bideed. Funktsionaalsed nõuded ja katsemeetodid
Bidets - Functional requirements and test methods

This European Standard specifies the functional requirements and test methods for bidets used for domestic purposes and made from either ceramics or stainless steel. All drawings are examples only, other forms are permissible. NOTE For the purposes of this standard the term ‘domestic purposes‘ includes use in hotels, accommodation for students, hospitals and similar buildings, except when special medical provisions are required.

Keel: en
Alusdokumendid: EN 14528:2015/prA1
Muudab dokumenti: EVS-EN 14528:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

EN 14688:2015/prA1

Sanitaarseadmed. Valamud. Funktsionaalsed nõuded ja katsemeetodid
Sanitary appliances - Wash basins - Functional requirements and test methods

This European Standard specifies the functional requirements and test methods for wash basins for domestic purposes. NOTE 1 For the purposes of this standard the term "domestic purposes" includes use in hotels, accommodation for students, hospitals and similar buildings, except when special medical provisions are required. NOTE 2 All drawings are examples only. The shape of the appliance is left to the discretion of the manufacturer.

Keel: en
Alusdokumendid: EN 14688:2015/prA1
Muudab dokumenti: EVS-EN 14688:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

EVS-EN 1993-1-6/prNA

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-6: Koorikkonstruktsioonide tugevus ja stabiilsus. Eesti standardi rahvuslik lisa
Eurocode 3 - Design of steel structures - Part 1-6: Strength and Stability of Shell Structures. Estonian National Annex

Rahvuslik lisa EN 1993-1-6:2007 ja selle muudatusele EN 1993-1-6:2007/prA1

Keel: et
Alusdokumendid: EN 1993-1-6:2007; EN 1993-1-6:2007/prA1
Asendab dokumenti: EVS-EN 1993-1-6/NA:2010

Arvamusküsitluse lõppkuupäev: 18.11.2017

FprEN 62793:2017

Protection against lightning - Thunderstorm warning systems

This International Standard describes the characteristics of thunderstorm warning systems and evaluation of the usefulness of lightning real time data and/or storm electrification data in order to implement lightning hazard preventive measures. This standard provides the basic requirements for sensors and networks collecting accurate data of the relevant parameters, giving real-time information of lightning tracks and range. It describes the application of the data collected by these sensors and networks in the form of warnings and historical data. This standard applies to the use of information from thunderstorm warning systems (systems or equipment providing real-time information) on atmospheric electric activity in order to monitor preventive measures.

Keel: en
Alusdokumendid: IEC 62793:2016; FprEN 62793:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12310-2

Flexible sheets for waterproofing - Determination of resistance to tearing - Part 2: Plastic and rubber sheets for roof waterproofing

This European Standard specifies a method for the determination of tear properties of plastic and rubber sheets for roof waterproofing using a trapezoidal test specimen with a nick or cut.

Keel: en
Alusdokumendid: prEN 12310-2
Asendab dokumenti: EVS-EN 12310-2:2001

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-1

Testing fresh concrete - Part 1: Sampling and common apparatus

This European Standard specifies two procedures for sampling fresh concrete, by composite sampling and by spot sampling. NOTE The requirement for remixing the sample before tests on the fresh concrete, or before making test specimens, is included in the relevant standards. When mixing and sampling of concrete is done in a laboratory, different procedures may be required. Additionally, this standard lists common apparatus mentioned in two or more standards of EN 12350 series and EN 12390-2.

Keel: en
Alusdokumendid: prEN 12350-1
Asendab dokumenti: EVS-EN 12350-1:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-2

Testing fresh concrete - Part 2: Slump-test

This European standard specifies a method for determining the consistence of fresh concrete by the slump test. The slump test is sensitive to changes in the consistence of concrete, which correspond to slumps between 10 mm and 210 mm. Beyond these extremes the measurement of slump can be unsuitable and other methods of determining the consistency should be considered. If the slump continues to change over a period of 1 min after withdrawing of the cone, the slump test is not suitable as a measure of consistence. The test is not suitable when the declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) is greater than 40 mm.

Keel: en
Alusdokumendid: prEN 12350-2
Asendab dokumenti: EVS-EN 12350-2:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-3

Testing fresh concrete - Part 3: Vebe test

This European Standard specifies a method for determining the consistency of fresh concrete by means of the Vebe time. The test is suitable for specimens having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) not greater than 63 mm. If the Vebe time is less than 5 s or more than 30 s, the concrete has a consistency for which the Vebe test is unsuitable.

Keel: en
Alusdokumendid: prEN 12350-3
Asendab dokumenti: EVS-EN 12350-3:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-4

Testing fresh concrete - Part 4: Degree of compactability

This European standard specifies a method for determining the consistence of fresh concrete by determining the degree of compactability. The test is suitable for specimens having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) not greater than 63 mm. If the degree of compactability is less than 1,04 or more than 1,46, the concrete has a consistence for which the degree of compactability test is not suitable.

Keel: en
Alusdokumendid: prEN 12350-4
Asendab dokumenti: EVS-EN 12350-4:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-5

Testing fresh concrete - Part 5: Flow table test

This European standard specifies a method for determining the flow of fresh concrete. It is not applicable to self-compacting concrete, foamed concrete, no-fines concrete, or for concrete having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) of greater than 63 mm. NOTE The flow test is sensitive to changes in the consistency of concrete, which correspond to flow values between 340 mm and 620 mm. Beyond these extremes the flow table test may be unsuitable and other methods of determining the consistence should be considered.

Keel: en
Alusdokumendid: prEN 12350-5
Asendab dokumenti: EVS-EN 12350-5:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-6

Testing fresh concrete - Part 6: Density

This European standard specifies a method for determining the density of compacted fresh concrete both in the laboratory and in the field. NOTE It may not be applicable to very stiff concrete which cannot be compacted by normal vibration.

Keel: en
Alusdokumendid: prEN 12350-6
Asendab dokumenti: EVS-EN 12350-6:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-7

Testing fresh concrete - Part 7: Air content - Pressure methods

This European Standard describes two methods for determination of air content of compacted fresh concrete, made with normal weight or relatively dense aggregate and having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) not greater than 63 mm. The test is not suitable for concretes with slumps less than 10 mm. NOTE Neither method is applicable to concretes made with lightweight aggregates, air cooled blast-furnace slag, or aggregates with high porosity, because of the magnitude of the aggregate correction factor, compared with the entrained air content of the concrete.

Keel: en
Alusdokumendid: prEN 12350-7
Asendab dokumenti: EVS-EN 12350-7:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12350-8

Testing fresh concrete - Part 8: Self-compacting concrete - Slump-flow test

This European Standard specifies the procedure for determining the slump-flow and t500 time for selfcompacting concrete. The test is suitable for specimens having a declared value of D of the coarsest fraction of aggregates actually used in the concrete (Dmax) not greater than 40 mm.

Keel: en
Alusdokumendid: prEN 12350-8
Asendab dokumenti: EVS-EN 12350-8:2010

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12390-2

Testing hardened concrete - Part 2: Making and curing specimens for strength tests

This European Standard specifies methods for making and curing test specimens for strength tests. It covers the preparation and filling of moulds, compaction of the concrete, levelling the surface, curing of test specimens and transporting test specimens.

Keel: en
Alusdokumendid: prEN 12390-2
Asendab dokumenti: EVS-EN 12390-2:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12390-3

Testing hardened concrete - Part 3: Compressive strength of test specimens

This European Standard specifies a method for the determination of the compressive strength of test specimens of hardened concrete.

Keel: en
Alusdokumendid: prEN 12390-3

Asendab dokumenti: EVS-EN 12390-3:2009
Asendab dokumenti: EVS-EN 12390-3:2009/AC:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12390-5

Testing hardened concrete - Part 5: Flexural strength of test specimens

This European Standard specifies a method for the determination of the flexural strength of specimens of hardened concrete.

Keel: en
Alusdokumendid: prEN 12390-5
Asendab dokumenti: EVS-EN 12390-5:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12390-7

Testing hardened concrete - Part 7: Density of hardened concrete

This European Standard specifies a method for determining the density of hardened concrete. It is applicable to lightweight, normal-weight and heavy-weight concrete. It differentiates between hardened concrete in the following states: 1) as-received; 2) water saturated; 3) oven-dried. The mass and volume of the specimen of hardened concrete are determined and the density calculated.

Keel: en
Alusdokumendid: prEN 12390-7
Asendab dokumenti: EVS-EN 12390-7:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12390-8

Testing hardened concrete - Part 8: Depth of penetration of water under pressure

This European Standard specifies a method for determining the depth of penetration of water under pressure in hardened concrete which has been water cured.

Keel: en
Alusdokumendid: prEN 12390-8
Asendab dokumenti: EVS-EN 12390-8:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12504-1

Testing concrete in structures - Part 1: Cored specimens - Taking, examining and testing in compression

This European Standard specifies a method for taking cores from hardened concrete, their examination, preparation for testing and determination of compressive strength. NOTE 1 This European Standard does not give guidance on the decision to drill cores or on the locations for drilling. NOTE 2 This European Standard does not provide procedures for interpreting the core strength results. NOTE 3 For the assessment of in-situ compressive strength in structures and precast concrete components EN 13791 may be used.

Keel: en
Alusdokumendid: prEN 12504-1
Asendab dokumenti: EVS-EN 12504-1:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 13141-5

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 5: Cowls and roof outlet terminal devices

This document specifies methods for measuring the aerodynamic and acoustic characteristics of cowls and roof outlets used in both natural and mechanical ventilation. Only those cowls and roof outlets fitted onto ducts which project above the roof surface are covered by the present standard. Regarding the assisted cowls, only the fan assisted cowls are covered by the present standard, other types (such as injection assisted cowls) being too recent to be adequately considered for the time being. The performance testing of the "assistance" provided by the auxiliary fan of an assisted cowl is excluded for the scope of this standard.

Keel: en
Alusdokumendid: prEN 13141-5
Asendab dokumenti: EVS-EN 13141-5:2004

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 13272-1

Railway applications - Electrical lighting for rolling stock in public transport systems - Part 1: Mainline Rail

This European Standard contains performance requirements and recommendations for electrical lighting systems in the interiors of public transport railway rolling stock under all operating and emergency conditions. This European Standard does not address lighting installed in instruments or controls.

Keel: en
Alusdokumendid: prEN 13272-1
Asendab osaliselt dokumenti: EVS-EN 13272:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 13272-2

Railway applications - Electrical lighting for rolling stock in public transport systems - Part 2: Urban rail systems

This European Standard contains performance requirements and recommendations for electrical lighting systems in the interiors of public transport urban rail vehicles, as defined in the CEN-CENELEC Guide 26, i.e. Metro Systems, Trams, Light Rail, and Local Rail Systems, under all operating and emergency conditions. This European Standard also defines the requirements for testing and conformity assessment. This European Standard does not address lighting installed in instruments or controls. This European Standard does not address lighting installed for indication purposes, including flashing lights and effect lighting. NOTE 1 The requirements for interior lighting for trains can be found in prEN 13272-1 NOTE 2 The requirements for cab instrument lighting can be found in EN 16186-2.

Keel: en
Alusdokumendid: prEN 13272-2
Asendab dokumenti: EVS-EN 13272:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 14509-2

Double skin metal faced insulating panels - Factory made products - Specifications - Part 2: Structural applications - Fixings and potential uses of stabilization of individual structural elements

This European Standard specifies requirements for factory made, structural, double skin metal faced insulating sandwich panels, which are intended for discontinuous laying in the following applications: a) roofs and roof cladding (e.g. for refurbishment); b) external walls and wall cladding (e.g. on brick walls for refurbishment or sandwich panels on liner trays); c) walls (including partitions) and ceilings within the building envelope. It is essential that structural double skin metal faced insulating sandwich panels according to this European Standard (EN 14509-2) fulfil the requirements of EN 14509. This European Standard (EN 14509-2) gives the basic rule for use of structural sandwich panels for structural applications including fixing of panels. The clarification of which application is structural needs to be given by national provisions. The stabilization parameters needed to contribute to stabilization of individual structural elements (supporting structure) as defined as structural class II according to EN 1993-1-3 are included. The insulating core materials covered by this European Standard are rigid polyurethane, expanded polystyrene, extruded polystyrene foam, phenolic foam, cellular glass and mineral wool. NOTE Polyurethane (PUR) includes polyisocyanurate (PIR). Due to durability performance reason coated face material of steel is used only (both organic and metallic coating). Uncoated steel is not used as face material. Panels with edge details that utilise different materials from the main insulating core are included in this European Standard if there is no influence on mechanical performance of the panel. Panels used in cold store applications are included in this European Standard. Panels, put on the market as a component of a cold storage room, building and/or building envelope kit are covered by ETA-Guideline 021 “Cold storage premises kits”. When manufactured in accordance with this European Standard and if satisfying the type testing and FPC criteria the panels can be considered as impermeable to water. The water permeability of the assembly is a function of its installation and is only relevant to the joints and fixings. This European Standard does not cover the following: d) sandwich panels with a declared thermal conductivity for the insulating core greater than defined in the relevant harmonized European Standards for insulation materials; e) products consisting of two or more clearly defined layers of different insulating core materials (multi-layered); f) curved panels; g) perforated panels; h) hidden fixings under permanent tension load, e.g. for ceilings; i) special type of fasteners such as ‘T’ support for ceiling, threaded rods with clamps for wall, omega and clamps for wall and ceiling, injected joint with flashing and threaded rods for wall and ceiling.

Keel: en
Alusdokumendid: prEN 14509-2

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 1849-2

Flexible sheets for waterproofing - Determination of thickness and mass per unit area - Part 2: Plastics and rubber sheets for roof waterproofing

This European Standard specifies methods for the determination of the thickness and mass per unit area of plastic and rubber sheets for roof waterproofing.

Keel: en
Alusdokumendid: prEN 1849-2
Asendab dokumenti: EVS-EN 1849-2:2010

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-1:2017

Protection against lightning - Part 1: General principles

This part of IEC 62305 provides general principles to be followed for protection of structures against lightning, including their installations and contents, as well as persons. The following cases are outside the scope of this standard: - railway systems; - vehicles, ships, aircraft, offshore installations; - underground high pressure pipelines; - pipe, power and telecommunication lines placed outside the structure - nuclear power plants. NOTE1 These systems usually fall under special regulations produced by various specialized authorities. NOTE2 Lightning protection of wind turbines is also covered by IEC 61400-24.

Keel: en
Alusdokumendid: IEC 62305-1:201X; prEN 62305-1:2017
Asendab dokumenti: EVS-EN 62305-1:2011
Asendab dokumenti: EVS-EN 62305-1:2011/AC:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-2:2017

Protection against lightning - Part 2: Risk management

This part of IEC 62305 is applicable to risk management for a structure due to lightning flashes to earth. Its purpose is to provide a procedure for the evaluation of such a risk. Once an upper tolerable limit for the risk has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit. Risk management also includes the evaluation of frequency of damage of internal systems caused by surges due to lightning flashes to earth. Once an upper tolerable limit for the frequency of damage has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the frequency of damage to or below the tolerable limit.

Keel: en
Alusdokumendid: IEC 62305-2:201X; prEN 62305-2:2017
Asendab dokumenti: EVS-EN 62305-2:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-3:2017

Protection against lightning - Part 3: Physical damage to structures and life hazard

This part of IEC 62305 provides the requirements for protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS (see IEC 62305-1). This standard is applicable to: a) design, installation, inspection and maintenance of an LPS for structures without limitation of their height, b) establishment of measures for protection against injury to living beings due to touch and step voltages. NOTE 1 Specific requirements for an LPS in structures dangerous to their surroundings due to the risk of explosion are provided in Annex C. NOTE 2 This part of IEC 62305 is not intended to provide protection against failures of electrical and electronic systems due to overvoltages. Specific requirements for such cases are provided in IEC 62305-4. NOTE 3 Specific requirements for protection against lightning of wind turbines are reported in IEC 61400-24 [2]. NOTE 4: Specific requirements for protection against lightning of photovoltaic systems are reported in IEC 61643-32 [7].

Keel: en
Alusdokumendid: IEC 62305-3:201X; prEN 62305-3:2017
Asendab dokumenti: EVS-EN 62305-3:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 62305-4:2017

Protection against lightning - Part 4: Electrical and electronic systems within structures

This part of IEC 62305 provides information for the design, installation, inspection, maintenance and testing of electrical and electronic system protection (SPM) to reduce the risk of permanent failures due to lightning electromagnetic impulse (LEMP) within a structure. This standard does not cover protection against electromagnetic interference due to lightning, which may cause malfunctioning of internal systems. However, the information reported in Annex A can also be used to evaluate such disturbances. Protection measures against electromagnetic interference are covered in IEC 60364-4-44[2]1and in the IEC 61000 series[3]. This standard provides guidelines for cooperation between the designer of the electrical and electronic system, and the designer of the protection measures, in an attempt to achieve optimum protection effectiveness. This standard does not deal with detailed design of the electrical and electronic systems themselves.

Keel: en
Alusdokumendid: IEC 62305-4:201X; prEN 62305-4:2017
Asendab dokumenti: EVS-EN 62305-4:2011
Asendab dokumenti: EVS-EN 62305-4:2011/AC:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 997

WC pans and WC suites with integral trap

This European Standard specifies constructional and performance requirements together with test methods for close-coupled suites, one-piece and independent WC pans with integral trap used for personal hygiene manufactured from glazed ceramics or stainless steel. This European Standard does not apply to squatting toilets, WC pans without integral trap or flushing cisterns as separate appliances. In the case of independent WC pans, the associated flushing cisterns and pressure valves are covered by other standards and the reference to cisterns in this standard is related only to the definition and requirements of flushing volume. In the case of close-coupled suites and one-piece WCs, this standard also specifies design, performance requirements and the test methods for designated flushing cisterns with flushing mechanisms, inlet valves and overflows. For these products, this standard covers flushing cisterns designed to be connected to drinking water installations inside buildings. Before installation of WCs, EN 12056 2 and national requirements need to be taken into consideration.

Keel: en
Alusdokumendid: prEN 997
Asendab dokumenti: EVS-EN 997:2012+A1:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN ISO 16283-2

Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 2: Impact sound insulation (ISO/DIS 16283-2:2017)

This part of ISO 16283 specifies procedures to determine the impact sound insulation using sound pressure measurements with an impact source operating on a floor or stairs in a building. These procedures are intended for room volumes in the range from 10 m3 to 250 m3 in the frequency range from 50 Hz to 5 000 Hz. The test results can be used to quantify, assess and compare the impact sound insulation in unfurnished or furnished rooms where the sound field might, or might not approximate to a diffuse field. Two impact sources are described: the tapping machine and the rubber ball. These impact sources do not exactly replicate all possible types of real impacts on floors or stairs in buildings.

Keel: en
Alusdokumendid: ISO/DIS 16283-2; prEN ISO 16283-2
Asendab dokumenti: EVS-EN ISO 16283-2:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEVS 812-4

Ehitiste tuleohutus. Osa 4: Tööstus- ja laohoonete ning garaažide tuleohutus
Fire safety of constructions - Part 4: Fire safety of industrial buildings, storages and garages

See standard sätestab ehituslikud tuleohutusnõuded tööstus-, lao- ja põllumajandushoonete ruumide (VI kasutusviis), garaažide (VII kasutusviis) ning vastava tegevusega muude hoonete üksikruumide projekteerimiseks ja ehitamiseks.

Keel: et
Asendab dokumenti: EVS 812-4:2011

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEVS/TS 1

Kiilvaivundamentide projekteerimise alused
Wedge pile foundation design bases

Selles Eesti tehnilises spetsifikatsioonis määratakse kiilukujuliste raudbetoonvaiade iseloomulikud mõõtmed, rammitavate kiilvaiade kandevõime geotehniline kontroll, ehituskonstruktsioonide kiilvaiadele toetumise ja kinnituse sõlmede näidisvariandid. Kirjeldatakse kiilvaiade valikut ja kiilvaia kui ehitist kandva elemendi arvutust, kiilvaiade kandevõime määramise meetodeid, kiilvaivundamentide geotehnilist projekteerimist ja projekteerimiseks vajalikke üldandmeid nii vaivundamentidest kui ka vaiatöödest. Antakse juhiseid, kuidas kasutada kiilvaivundamentide projekteerimisel seoseid geotehnika ja raudbetoonkonstruktsioonide projekteerimise normidega. Defineeritakse kiilvai ja selle kuju, kirjeldatakse kiilvaiade nomenklatuuri ja kiilvaivundamenti kui hoone kandetarindi osa, samuti kiilvaiadega seotud uudseid termineid, mida siin kasutatakse.

Keel: et

Arvamusküsitluse lõppkuupäev: 18.11.2017

prHD 60364-7-722:2017

Low-voltage electrical installations - Part 7-722: Requirements for special installations or locations - Supplies for electric vehicles

The particular requirements of this part of IEC 60364 apply to – circuits intended to supply energy to electric vehicles, and – circuits intended for feeding back electricity from electric vehicles. Circuits covered by this part are terminated at the connecting point. NOTE This section does not cover the assessment of the risk of explosion due to the possible production of hydrogen / other flammable gases during the battery recharging phase.

Keel: en
Alusdokumendid: IEC 60364-7-722:201X; prHD 60364-7-722:2017
Asendab dokumenti: EVS-HD 60364-7-722:2016

Arvamusküsitluse lõppkuupäev: 18.11.2017

prHD 60364-8-2:2017

Low-voltage electrical installations - Part 8-2: Smart Low-Voltage Electrical Installations

This part of IEC 60364 provides additional requirements, measures and recommendations for design, erection and verification of all types of low-voltage electrical installation according to Clause 11 of IEC 60364-1:2005 including local production and storage of energy in order to ensure the compatibility with the existing and future ways to deliver the electrical energy to current-using equipment or to the public network by means of local sources. Such electrical installations are equipped with a local Electrical Energy Management System (EEMS) and are designated as Prosumer's Electrical Installations (PEI). This document also provides requirements for proper behavior and actions of PEI in order to efficiently obtain sustainable and safe operations of it when integrated into smart grids. These requirements and recommendations apply, within the scope of the IEC 60364 series, for new installations and modification of existing installations. NOTE Electrical sources for safety services including associated electrical installations and standby electrical supply systems for a secure continuity of supply, which are operated only occasionally

and for short periods (e.g. monthly 1 hour) in parallel with the distribution grid for testing purposes, are outside the scope of this part.

Keel: en
Alusdokumendid: IEC 60364-8-2:201X; prHD 60364-8-2:2017

Arvamusküsitluse lõppkuupäev: 18.11.2017

93 RAJATISED

EN 12697-3:2013/prA1
Bituminous mixtures - Test methods - Part 3: Bitumen recovery: Rotary evaporator

This document describes a test method for the recovery of soluble bitumen from bituminous mixtures used in road, airfield or similar pavements in a form suitable for further testing. The test can be undertaken on either loose or compacted asphalt materials. The procedure is suitable for the recovery of paving grade bitumens, for which materials this European Standard is the reference method. The fractionating column procedure (see EN 12697-4) is the reference method for mixtures containing volatile matter such as cut-back bitumen. For recovery of polymer modified bitumens, the rotary evaporator procedure is recommended.

Keel: en
Alusdokumendid: EN 12697-3:2013/prA1
Muudab dokumenti: EVS-EN 12697-3:2013

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12697-30
Bituminous mixtures - Test methods for hot mix asphalt - Part 30: Specimen preparation by impact compactor

This draft European Standard specifies methods of moulding specimens from bituminous mixtures by impact compaction. Such specimens are primarily used to determine bulk density and other technological characteristics e.g. Marshall stability and flow according to EN 12697-34. This draft European Standard applies to bituminous mixtures (both those made up in a laboratory and those resulting from work site sampling), with not more than 15 % by mass retained on the 22,4 mm sieve and none on the 31,5 mm sieve.

Keel: en
Alusdokumendid: prEN 12697-30
Asendab dokumenti: EVS-EN 12697-30:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12697-44
Bituminous mixtures - Test methods for hot mix asphalt - Part 44: Crack propagation by semi-circular bending test

This draft European Standard specifies the Semi-Circular Bending (SCB) test method to determine the tensile strength or fracture toughness of an asphalt mixture for the assessment of the potential for crack propagation. The results of the test can be used to calculate: - the maximum load that the material containing a notch (crack) can resist before failure; - when the presence of a notch is critical. It should be noted that the test only describes a method to determine the resistance to crack propagation of an asphalt mixture. The crack propagation phase describes the second part of failure mechanism during dynamic loading. The first phase, which is the crack initiation phase, is mainly covered by the fatigue test (EN 12697-24).

Keel: en
Alusdokumendid: prEN 12697-44
Asendab dokumenti: EVS-EN 12697-44:2010

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 12697-5
Bituminous mixtures - Test methods - Part 5: Determination of the maximum density

This draft European Standard specifies test methods for determining the maximum density of a bituminous mixture (voidless mass). It specifies a volumetric procedure, a hydrostatic procedure and a mathematical procedure. The test methods described are intended for use with loose bituminous materials containing paving grade bitumens, modified binders or other bituminous binders used for hot mix asphalt. The tests are suitable for both fresh or aged bituminous materials. Samples may be supplied as loose material or as compacted material; the latter should be separated first. NOTE General guidance on selection of a test procedure to determine the maximum density of a bituminous mixture is given in Annex A.

Keel: en
Alusdokumendid: prEN 12697-5
Asendab dokumenti: EVS-EN 12697-5:2010
Asendab dokumenti: EVS-EN 12697-5:2010/AC:2012

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 15610
Railway applications - Acoustics - Rail and wheel roughness measurement related to rolling noise generation

This European Standard specifies a direct method for characterizing the surface roughness of the rail and wheel associated with rolling noise ("acoustic roughness"), in the form of a one-third octave band spectrum. This standard describes a method for: a) selecting measuring positions along a track or selecting wheels of a vehicle; b) selecting lateral positions for measurements; c) the data acquisition procedure; d) measurement data processing in order to estimate a set of one-third octave band roughness spectra; e) presentation of this estimate for comparison with limits of acoustic roughness; f) comparison with a given upper limit in terms of a one-third octave band wavelength spectrum; g) the measuring system requirements. It is applicable to: a) the performance testing of reference track sections in relation to the acceptance test for noise emitted by railway vehicles; b) the performance testing of track sections in relation to noise emitted by railway vehicles; c) the acceptance of the running surface condition only in the case where the acoustic roughness is the acceptance criterion; d) the assessment of the wheel surface condition as an input for the acoustic acceptance of brake blocks; e) the assessment of the wheel and rail roughness as input to the calculation of combined wheel rail roughness; f) the diagnosis of wheel-rail noise issues for specific tracks or wheels; g) the assessment of the wheel and rail roughness as input to rolling noise modelling; h) the assessment of the wheel and rail roughness as input to noise source separation methods. It is not applicable to the: a) measurement of roughness using an indirect method; b) direct measurement of combined wheel-rail roughness; c) analysis of the effect of wheel-rail interaction, such as a “contact filter”; d) approval of rail and wheel reprofiling, including rail grinding operations, except for those where the acoustic roughness is specifically the approval criterion (and not the grinding quality criteria as provided in e.g. EN 13231); e) characterisation of track and wheel geometry except where associated with noise generation.

Keel: en
Alusdokumendid: prEN 15610
Asendab dokumenti: EVS-EN 15610:2009

Arvamusküsitluse lõppkuupäev: 18.11.2017

97 OLME. MEELELAHUTUS. SPORT

EN 13310:2015/prA1:2017

Kitchen sinks - Functional requirements and test methods

This European Standard specifies the functional requirements of and test methods for kitchen sinks for domestic purposes, which ensure that the product, when installed in accordance with the manufacturers’ instructions, gives satisfactory performance. NOTE 1 For the purposes of this standard, the term “domestic purposes” includes use in hotels, accommodation for students, hospitals and similar buildings. This document does not specify aesthetic requirements and the overall dimensions of kitchen sinks. It does not apply to industrial kitchen sinks. NOTE 2 All drawings are examples only; other forms are permissible.

Keel: en
Alusdokumendid: EN 13310:2015/prA1:2017
Muudab dokumenti: EVS-EN 13310:2015

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 17164

Climbing walls for use in the water area of public used swimming pools - Safety and operational requirements to the place of installation

This standard specifies safety and operational requirements for Climbing walls for use in the water area of public used swimming pools.

Keel: en
Alusdokumendid: prEN 17164

Arvamusküsitluse lõppkuupäev: 18.11.2017

prEN 50491-12-1

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Smart grid - Application specification - Interface and framework for customer - Part 12-1: Interface between the CEM and Home/Building Resource manager - General Requirements and Architecture

This European Standard specifies General Requirements and Architecture of an application layer interface between the Customer Energy Manager (CEM) and Smart Devices (SD) operating within the smart grid premises side system (i.e. home or building but not industrial premises). This standard does not include: – Safety; – EMC; – Data Security; it is assumed that the underlying protocols will take the Data Security aspect into account; – Special equipment (e.g. legacy heat pumps) with a direct physical connection to the grid, as such equipment bypasses the CEM and is not HBES/BACS enabled (covered by other standards than the EN 50491 series).

Keel: en
Alusdokumendid: prEN 50491-12-1

Arvamusküsitluse lõppkuupäev: 18.11.2017

TÕLKED 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.

EVS-EN 16475-3:2016

Korstnad. Tarvikud. Osa 3: Tõmberegulaatorid, seisakuaja avamisseadmed ja kombineeritud sekundaarõhu seadmed. Nõuded ja katsemeetodid

Selles Euroopa standardis määratletakse nõuded ja katsemeetodid tõmberegulaatorite, seisakuaja avamisseadmete ja kombineeritud sekundaarõhu seadmete jaoks, mida kasutatakse komponentidena suitsugaaside juhtimiseks, et piirata korstna tõmmet ja anda sekundaarõhku korstnasse. Selles standardis ei käsitleta positiivse rõhuga korstnate tõmberegulaatoreid, seisakuaja avamisseadmeid ega kombineeritud sekundaarõhu seadmeid. Standardis sätestatakse ka märgistamise, tootja juhiste, tooteteabe ning toimivuse püsivuse hindamise ja tõendamise nõuded.

Keel: et
Alusdokumendid: EN 16475-3:2016

Kommenteerimise lõppkuupäev: 18.10.2017

EVS-EN 1993-1-6:2007/prA1

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-6: Koorikkonstruktsioonide tugevus ja stabiilsus

Muudatus A1 standardile EN 1993-1-6:2007

Keel: et
Alusdokumendid: EN 1993-1-6:2007/A1:2017

Kommenteerimise lõppkuupäev: 18.10.2017

EVS-EN 61000-5-7:2002

Elektromagnetiline ühilduvus. Osa 5-7: Paigaldus- ja leevendusjuhendid. Ümbristega tagatud elektromagnetiliste häiringute vastane kaitseaste (EM kood)

See IEC 61000 osa käsitleb elektromagnetiliste häiringute vastast kaitset tühjade ümbristega sagedusalas 10 kHz kuni 40 GHz, nõudeid omadustele, katsetusmeetodeid ja kaitseastmete liigituse protseduure. Soovitav on mõõta varjestusomadusi enne sisemiste elektri/elektroonikakomponentide paigaldamist. Seda kaitset varjestusega mõõdetakse eesmärgil näitamaks, et ümbris tagab piisava varjestuse elektromagnetilise energia eest, mis kindlustab täielikult koostatud üksuse vastuvõetavad omadused katsetamisel rakendatavatele IEC standarditele. Siiski tuleb märkida, et tühja ümbrist rahuldavad omadused ei pruugi alati tagada koos töötavate seadmetega komplekse üksuse elektromagnetilise ühilduvuse omaduste läbimist katsetusstandarditele (vt lisa A arutelu). Selle standardi eesmärk on pakkuda korratavaid võtteid tühjade mehaaniliste ümbriste elektromagnetiliste varjestusomaduste hindamisele, kaasaarvatud kapid ja sektsioonid ning kehtestada tähistuskood, mis võimaldab tootjal valida elektromagnetiliste väljade suhtes teadaolevate summutusomadustega ümbris. Erinevat tüüpi elektromagnetiliste häiringute taluvuse nõuded, kaasaarvatud välk kui ka elektromagnetiline impulss stratosfäärist (HEMP), võivad nõuda tootjapoolset analüüsi määramaks selle standardi rakendamise vajalikkust konkreetsele seadmestikule ja rakendustele ning konkreetse ümbrise varjestusomadustele, mis on vajalik sagedustaju seisukohalt. Selle standardi liigitussüsteemi kasutusvõimalus annab meetodite ühtsuse, mis kirjeldavad elektromagnetilise mõjutuse vastase kaitse tagamist ümbrisega. See hõlmab ümbrisesisese seadmestiku kaitset väliste elektromagnetiliste mõjutuste eest, samuti välise seadmestiku kaitset sisemiselt genereeritud mõjutuste eest. Ümbriste eest vastutavad tehnilised komiteed võivad otsustada, mis viisil ja millises ulatuses antud standardiga määratud liigitust nende standardites kasutada ning määratleda “ümbris” kui see on rakendatav ka nende seadmestikule. Siiski ei tohi katsed ja omaduste liigid erineda antud standardis esitatutest. Üksikasjalik vajalike ümbriste tootestandardite määratluste teabejuhend on toodud lisas B.

Keel: et
Alusdokumendid: IEC 61000-5-7:2001; EN 61000-5-7:2001

Kommenteerimise lõppkuupäev: 18.10.2017

EVS-EN ISO 22870:2016

Abikohas testimine (AKT). Kvaliteedi ja kompetentsuse nõuded

ISO 22870:2016 gives specific requirements applicable to point-of-care testing and is intended to be used in conjunction with ISO 15189. The requirements of this document apply when POCT is carried out in a hospital, clinic and by a healthcare organization providing ambulatory care. This document can be applied to transcutaneous measurements, the analysis of expired air, and in vivo monitoring of physiological parameters. Patient self-testing in a home or community setting is excluded, but elements of this document can be applicable.

Keel: et
Alusdokumendid: ISO 22870:2016; EN ISO 22870:2016

Kommenteerimise lõppkuupäev: 18.10.2017

FprEN 60947-2:2014

Madalpingelised lülitusaparaadid. Osa 2: Kaitselülitid

Standardisarja EVS-EN 60947 see osa kehtib kaitselülitite kohta, mille peakontaktid on ette nähtud ühendamiseks ahelatesse tunnus-vahelduvpingega mitte üle 1000 V või tunnus-alalispingega mitte üle 1500 V; see sisaldab ka lisanõudeid sulavkaitsmeid sisaldavatele kaitselülititele. Vastavalt sellele standardile võib katsetada ka kaitselüliteid, mille tunnus-vahelduvpinge on üle 1000 V, kuid mitte üle 1500 V. Standard kehtib sõltumata kaitselülitite tunnusvoolust, valmistusviisist ja ettenähtavatest rakendustest. Nõuded kaitselülititele, mis on ette nähtud tagama ka rikkevoolukaitset, on esitatud lisas B. Lisanõuded elektroonilise liigvoolukaitsega kaitselülititele on esitatud lisas F. Lisanõuded IT-süsteemides kasutatavatele kaitselülititele on esitatud lisas H. Kaitselülitite elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid on esitatud lisas J. Nõuded kaitselülititele, mis ei täida liigvoolukaitse nõudeid, on esitatud lisas L. Nõuded rikkevoolumoodulitele (milles pole sisseehitatud voolukatkestusseadist) on esitatud lisas M. Kaitselülitite lisaseadiste elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid on esitatud lisas N. Fotoelektrilistes rakendustes kasutatavatele alalisvoolu-kaitselülititele esitatavad nõuded ja katsetusmeetodid on esitatud lisas P. Rikkevoolukaitset koos automaatse taaslülitusfunktsiooniga sisaldavatele kaitselülititele esitatavad nõuded ja katsetusmeetodid on esitatud lisas R. Lisanõuded kaitselülititele, mida kasutatakse otsekäivititena, on esitatud standardis IEC 60947-4-1, mis on rakendatav madalpingelistele kontaktoritele ja käivititele. Nõuded kaitselülititele, mida kasutatakse juhistikpaigaldiste kaitseks ehitistes ja muudes taolistes rakendustes ja mis on ette nähtud käitamiseks instrueerimata tavaisikute poolt, on esitatud standardis IEC 60898. Nõuded seadmetele (nt elektrirakendustele) ette nähtud kaitselülititele on esitatud standardis IEC 60934. Teatud erirakendustes (nt transpordivahendites, valtspinkides, mereseadmetes) võivad osutuda vajalikuks eri- või lisanõuded. MÄRKUS Selles standardis käsitletavad kaitselülitid võivad olla varustatud automaatse lahutamise seadistega ka muudes ettemääratud oludes kui liigvool või alapinge, nt võimsuse või voolu suuna muutumisel. See standard ei käsitle talitluse kontrolli nendes ettemääratud oludes. Selle standardi eesmärk on sätestada a) kaitselülitite tunnussuurused; b) olud, millele kaitselülitid peavad vastama, arvestades 1) talitlust ja käitumist normaalkäidul, 2) talitlust ja käitumist liigkoormusel ja lühisel, sealhulgas talitluse koordinatsiooni (selektiivsust ja reservkaitset), 3) dielektrilisi omadusi; c) katsetused, mis on ette nähtud nende tingimuste täitmise kontrolliks, ja rakendatavad katsetusmeetodid; d) aparaatidele märgitav või nendega kaasa antav informatsioon.

Keel: et
Alusdokumendid: IEC 60947-2:201X; FprEN 60947-2:2014

Kommenteerimise lõppkuupäev: 18.10.2017

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 914:2012

Koristuse kvaliteedi kokku leppimine ja hindamine
Cleaning quality – System for establishing and assessing cleaning quality

Standard kirjeldab koristus- ja puhastustööde kvaliteedi kindlakstegemise ning hindamise süsteemi. See põhineb standardis EN 13549:2001 sätestatud üldistel põhimõtetel. Standard kirjeldab kahte peamist kontrollimise põhimõtet: visuaalne kontrollimine (jaotis 4) ja mõõtevahendite abil kontrollimine (lisa D). Olenevalt olukorrast võib olla eelistatav kasutada esimest, teist või mõlemat põhimõtet korraga. Mõõtevahendeid võib rakendada täiendava meetodina eriruumides, mida kasutatakse nt elektroonika, ravimite või toiduainete tootmiseks, kus asuvad laboratooriumid vms ning kus teenuse tellijad esitavad seetõttu erilisi kvaliteedinõudeid või kus on seadusega kehtestatud kohustuslikud erinõuded. Siseruumide õhukvaliteeti mõjutab eriti tugevasti tolm. Rahuldava õhukvaliteedi saavutamiseks siseruumides võib olla vaja kehtestada tolmu suhtes erinõuded. Selleks kasutatakse tolmususe mõõtmist. Teenuse tellijad võivad nõuda tolmususe mõõtmisi eraldiseisvalt nagu kirjeldatud lisas D.1, või visuaalse kontrolli täiendusena. Kliendid peavad määrama, millal mõõtmisi tuleb teha ja milline on rahuldav tolmususe tase tabeli D.1 kohaselt. Standardis toodud süsteemi saab rakendada erinevatel viisidel: — koristustööde kvaliteedi kontrollimiseks; — mustusastme ja/või taasmäärdumise astme hindamiseks; — nõutavate tulemuste määramiseks koristusteenuste läbiviimisel, tellimisel, pakkumisel ja/või hangete korraldamisel (vt standardit INSTA 810 või EVS 807:2010); — hindamaks, milline puhastustegevus on vajalik, et saavutada etteantud kvaliteeditaset; — koristustegevusega saavutatud kvaliteedi kindlakstegemiseks. Standard kirjeldab ainult mõõtmissüsteemi rakendamist nõutava kvaliteedi määramiseks ning koristus- ja puhastustööde kvaliteedi kontrollimiseks. Standard on kasutatav kõigi hoonete ja ruumide tüüpide jaoks, nt mis tahes ruumid kontorihoonetes, haiglates, koolides, lasteaedades, kaubanduskeskustes, poodides, tsehhides, laevadel, bussides, rongides, lennukites, hotellides ja restoranides, olenemata koristamise meetoditest, sagedusest ja süsteemist. Standard kirjeldab vahetult pärast koristuse lõppu saavutatud tulemusi. MÄRKUS Standard ei hõlma koristusega seotud teenuste osutamise hindamist ja kontrolli, nagu tualett-tarvikutega varustamine, paberikorvide tühjendamine, ümbertöödeldavate materjalide käitlemine vms. Kui selliste tööde teostamine on nõutav, siis tuleb see koristuslepingus eraldi ära märkida, sätestades ka selliste teenuste kvaliteedi hindamise süsteemi.

Kehtima jätmise alus: EVS/TK 36 otsus 22.06.2017 2.5/47 ja teade pikendamisküsitlusest 04.04.2017 EVS Teatajas

TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas 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 13137:2001

Characterization of waste - Determination of total organic carbon (TOC) in waste, sludges and sediments

This European Standard specifies two methods for the determination of total organic carbon (TOC) in undried waste samples containing more than 1 g carbon per kg of dry matter (0.1 % w/w). When present, elemental carbon, carbides, cyanides, cyanates, isocyanates and thiocyanates are determined as organic carbon using the methods described in this standard. An interpretation of the measured value may therefore be problematical in cases where the waste contains relevant levels of the above mentioned components. If needed, these components shall be determined separately by means of a suitable validated procedure and be recorded in the test report.

Keel: en
Alusdokumendid: EN 13137:2001
Tühistamisküsitluse lõppkuupäev: 18.10.2017

EVS-EN 14095:2004

Water conditioning equipment inside buildings - Electrolytic dosing systems with aluminium anodes - Requirements for performance and safety, testing

This European Standard applies to electrolytic dosing systems for conditioning water intended for human consumption inside buildings and based on dissolution of aluminium anodes (with imposed DC current). It specifies constructional (but not dimensional) and operational requirements. It describes relevant methods for testing performance and safety. It only concerns units which are permanently connected to the mains supply.

Keel: en
Alusdokumendid: EN 14095:2003
Tühistamisküsitluse lõppkuupäev: 18.10.2017

AVALDATUD EESTIKEELSED STANDARDIPARANDUSED

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

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

EVS 914:2012/AC:2017

Koristuse kvaliteedi kokku leppimine ja hindamine
Cleaning quality - System for establishing and assessing cleaning quality

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN 13108-6:2016

Asfaltsegud. Materjali spetsifikatsioon. Osa 6: Valuasfalt
Bituminous mixtures - Material specifications - Part 6: Mastic Asphalt

See Euroopa standard kirjeldab nõudeid valuasfaldi segugrupile kasutamiseks teedel, lennuväljadel ja muudel liiklusega aladel. Valuasfalti kasutatakse kulumiskihtides, siduvkihtides, kaitsekihtides ja sildade, tunnelite ja viimarite vahekihtides. Valuasfaldi segugrupi segusid toodetakse kuuma bituumeniga. Bituumenemulsiooniga toodetud segud või kohapeal ümbertöödeldud segud ei ole selle standardiga kaetud. See Euroopa standard sisaldab nõudeid lähtematerjalide valimiseks. See on mõeldud lugemiseks koos standarditega EN 13108-20 ja EN 13108-21.

EVS-EN 16323:2014

Kanalisatsioonitehnika oskussõnastik
Glossary of wastewater engineering terms

See Euroopa standard ühtlustab ja määratleb üldterminid reovee kogumise, transportimise, käitlemise, suublasse juhtimise (ja taaskasutamise) valdkonnas, settekäitlus, -kasutus ja -kõrvaldus kaasa arvatud. See Euroopa standard loob üldise aluse terminite ja nende määratluste kasutamisele kõigi kanalisatsiooni-tehnikasse puutuvate standardite koostamisel või uuendamisel.

EVS-EN 1993-4-2:2007/A1:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3: Design of steel structures - Part 4-2: Tanks

Muudatus standardile EVS-EN 1993-4-2:2007

EVS-EN 1993-4-2:2007/NA:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa
Eurocode 3: Design of steel structuresPart 4-2: TanksEstonian National Annex

Rahvuslik lisa standardile EN 1993-4-2:2007 ja selle muudatusele EN 1993-4-2:2007/A1:2017

EVS-EN 1993-4-2:2007+A1:2017+NA:2017

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-2: Vedelikumahutid
Eurocode 3: Design of steel structures - Part 4-2: Tanks

(1) Eurokoodeksi 3 osas 4-2 on toodud eeskirjad ja rakendusjuhised vedelike ladustamiseks ette nähtud maapealsete püstsilindriliste, kooniliste ja alusele toetatud terasmahutite projekteerimiseks järgmiste iseloomulike tunnustega: a) mahutid, mahuga üle 100 m3 (100 000 liitrit); b) mahutid, mis suures osas monteeritakse kohapeal; c) tehases valmistatud kooniliste põhjadega mahutid, mis toetuvad suletud lehttoele või postidele; d) mahutid, mille vedeliku nivoo kohal olevas ruumis ei ole manomeetrirõhk negatiivse väärtuse korral üle −0,1 bar ja positiivse väärtuse korral ei ole see üle 0,5 bar1); e) metalli projekttemperatuur on piiratud alljärgnevalt: 1) mahutid tavalistest konstruktsiooniterase klassidest, −50 °C < T < +300 °C; 2) mahutid austeniitsest roostevabast terasest, −165 °C < T < +300 °C; 3) mahutid spetsiaalsetest teraseklassidest, millel on määratletud voolavuspiir kõrgematel temperatuuridel, −165 °C < T < maksimaalne määratletud temperatuur vastavale klassile; 4) mahutid, millel võib olla väsimuspurunemise oht, T < 150 °C; f) silindrilistel maapinnale toetatud mahutitel ei ole maksimaalne arvutuslik vedeliku nivoo kõrgemal silindrilise kooriku ülaservast. (2) Käesolev standardi osa 4.2 keskendub ainult terasest vedelikumahutite vastupanu ja stabiilsuse nõuetele. Muud nõuded on hõlmatud standardiga EN 14015 mahutite keskkonnatemperatuuri osas, standardiga EN 14620 külmatootvate mahutite osas ja standardiga EN 1090 valmistamise ja montaaži kaalutluste osas. Need muud nõuded käsitlevad vundamente ja vajumisi, valmistamist, montaaži ja katsetamist, funktsionaalseid omadusi ning sissepääsuavade, flantside ja täitmisseadmete tüüpi detaile. (3) Seismoprojekteerimist käsitlevad erinõuded on esitatud standardis EN 1998-4 (eurokoodeksi 8 osa 4 “Konstruktsioonide projekteerimine maavärinale vastupanemiseks: Puiste- ja vedelikumahutid ning torujuhtmed”) , mis täiendab ja kohaldab eurokoodeksi 3 tingimusi spetsiaalselt selleks tarbeks. (4) Vedelikumahuti toekonstruktsioonide projekteerimist käsitleb EN 1993-1-1. (5) Terasest vedelikumahutite alumiiniumkatuste projekteerimist käsitleb EN 1999-1-5. (6) Terasest mahutite raudbetoonvundamente käsitlevad EN 1992 ja EN 1997. (7) Terasest vedelikumahutite projekteerimisel arvestatavate spetsiifiliste koormuste arvsuurused on antud standardis EN 1991-4 „Puiste- ja vedelikumahutite koormused”. Täiendavaid tingimusi vedelikumahutite jaoks on antud eurokoodeksi 3 käesoleva osa 4.2 lisas A. (8) See standardiosa 4-2 ei käsitle — plaanis ristkülikulisi mahuteid; — mahuteid mahutavusega alla 100 m3; — mahuteid tulekahjutingimustes (vt EN 1993-1-2); — kumerate otstega ja alla 5 m diameetriga mahuteid; — silindrilisi mahuteid, mille kõrguse ja diameetri suhe on suurem kui 3. (9) Käesoleva standardiga hõlmatud plaanis ringikujulised mahutid on piiratud telgsümmeetriliste konstruktsioonidega, kuid neile rakendatud koormused võivad olla ebasümmeetrilised ning nende toed võivad olla ebasümmeetrilised.

EVS-EN ISO 12354-2:2017

Ehitusakustika. Hoonete akustilise toimivuse hindamine elementide akustilise toime põhjal. Osa 2: Ruumidevaheline löögiheli isolatsioon

Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms (ISO 12354-2:2017)

See dokument kirjeldab arvutusmeetodeid, mis on mõeldud löögiheli isolatsiooni hindamiseks ruumide vahel hoonetes, lähtudes eelkõige mõõdistusandmetest, mis iseloomustavad osalevate ehituselementide otsest või kaudset külgsuunalist heliülekannet, ning teoreetiliselt tuletatud meetoditest, mis käsitlevad heli levikut ehituselementides. Kirjeldatakse detailset mudelit arvutamiseks 1/3 oktaav sagedusribades sagedusalas 100 Hz kuni 3150 Hz standardi ISO 717-1 kohaselt võimalusega laiendada sagedusala 1/3 oktaavi allapoole 50 hertsini, kui on kättesaadavad andmed elementide ja ühendussõlmede kohta (vaata lisa E); arvutustulemuste põhjal on võimalik määrata hoonete ühe arvuga väljendatav näitaja. Selle alusel tuletatakse piiratud rakendusalaga lihtsustatud mudel, mis ehituselemente iseloomustavate ühe arvuga väljendatavate näitajate põhjal võimaldab vahetult arvutada ühe arvuga väljendatava hoonet iseloomustava näitaja; lihtsustatud mudelit kasutades saab tegeliku löögiheli rõhutaseme määramatuse ehitises arvutada kooskõlas standardi ISO 12354-1:2017 lisas K (vaata peatükk 5) kirjeldatud meetodiga. Selles dokumendis kirjeldatakse arvutusskeemi põhimõtteid, esitatakse asjakohaste suuruste loetelu ning määratletakse dokumendi rakendamise võimalused ja piirangud.

EVS-HD 60364-7-705:2007/A12:2017

Madalpingelised elektripaigaldised. Osa 7-705: Nõuded eripaigaldistele ja -paikadele. Põllundus- ja aiandusehitised
Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises

Standardi EVS-HD 60364-7-705:2007 muudatus.

EVS-HD 60364-7-705:2007+A11+A12

Madalpingelised elektripaigaldised. Osa 7-705: Nõuded eripaigaldistele ja -paikadele. Põllundus- ja aiandusehitised
Low-voltage electrical installations - Part 7-705: Requirements for special installations or locations - Agricultural and horticultural premises (IEC 60364-7-705:2006, modified)

Harmoneerimisdokumendi HD 60364 käesoleva osa nõudeid kohaldatakse kohtkindlatele elektripaigaldistele põllundus- ja aiandusehitiste siseruumides ja vabas õhus. Mõnda nõuetest kohaldatakse ka muudele paigaldistele, mis on põllundus- ja aiandusehitiste juurde kuuluvates üldistes ehitistes. Kodumajapidamise või nendega sarnased ruumid, paigad ja alad ei ole haaratud käesoleva standardiga. Kui mõni osa 705 eraldi nõue on kohaldatav ka eluruumidele ja muudele paikadele samasugustes üldistes ehitistes, on see öeldud normatiivtekstis.

EVS-HD 60364-7-709:2009/A11:2017

Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations

Standardi EVS-HD 60364-7-709:2009 muudatus.

EVS-HD 60364-7-709:2009+A1+A11

Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations (IEC 60364-7-709:2007+A1:2012)

HD 60364 käesolevas osas kirjeldatud üksikasjalised nõuded kehtivad ainult vooluahelate kohta, mis on ette nähtud huvisõidualuste või veesõidukelamute toiteks huvisõidusadamates ja muudes samalaadsetes paikades. MÄRKUS 1 Käesolevas osas tähendab huvisõidusadam edaspidi nii huvisõidusadamat kui ka muid samalaadseid paiku. Üksikasjalikud nõuded ei kehti majutusjahtide kohta, kui neid toidetakse otse avalikust elektrivõrgust. Üksikasjalikud nõuded ei kehti lõbusõidualuste või majutusjahtide sisemiste elektripaigaldiste kohta. MÄRKUS 2 Huvisõidualuste elektripaigaldiste kohta vt EN 60092-507. MÄRKUS 3 Veesõidukelamute elektripaigaldised peavad vastama HD 60364 üldnõuetele koos HD 60364-7 asjakohaste üksikasjaliste nõuetega. Huvisõidusadamate ja muude samalaadsete paikade ülejäänud elektripaigaldiste kohta kehtivad HD 60364 üldnõuded koos HD 60364-7 asjakohaste üksikasjaliste nõuetega.

EVS-HD 60364-7-715:2012/A11:2017

Madalpingelised elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja -paikadele. Väikepingelised valgustuspaigaldised
Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations

Standardi EVS-HD 60364-7-715:2012 muudatus.

EVS-HD 60364-7-715:2012+A11:2017

Madalpingelised elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja -paikadele. Väikepingelised valgustuspaigaldised

Low-voltage electrical installations - Part 7-715: Requirements for special installations or locations - Extra-low-voltage lighting installations (IEC 60364-7-715:2011, modified)

Standardisarja IEC 60364 selle osa erinõuded kehtivad väikepingeliste valgustuspaigaldiste valiku ja ehituse kohta paigaldise toiteallika nimivahelduvpingel kuni 50 V või nimialalispingel kuni 120 V. MÄRKUS 1 Väikepingelise valgustussüsteemi määratlus vt IEC 60598-2-23. MÄRKUS 2 Vahelduvpinged on esitatud efektiivväärtustena.

EVS-HD 60364-7-718:2013/A12:2017

Madalpingelised elektripaigaldised. Osa 7-718: Nõuded eripaigaldistele ja -paikadele. Avalikud asutused ja töökohad
Low-voltage electrical installations - Part 7-718: Requirements for special installations or locations - Communal facilities and workplaces

Standardi EVS-HD 60364-7-718:2013 muudatus.

EVS-HD 60364-7-718:2013+A11+A12

Madalpingelised elektripaigaldised. Osa 7-718: Nõuded eripaigaldistele ja -paikadele. Avalikud asutused ja töökohad
Low-voltage electrical installations - Part 7-718: Requirements for special installations or locations - Communal facilities and workplaces (IEC 60364-7-718:2011)

HD 60364 selles osas esitatakse lisanõuded avalikes asutustes ja töökohtadel rakendatavatele elektripaigaldistele. Avalike asutuste ja töökohtade tüüpnäidete hulka kuuluvad - koosolekusaalid ja -ruumid. - näitusehallid, - teatrid ja kinod, - spordiareenid, - müügipiirkonnad, - restoranid, - hotellid, külalistemajad ja hooldekodud, - koolid, - suletud parklad, - miitinguplatsid, ujulad, lennujaamad, raudteejaamad ja kõrghooned, - töökojad, vabrikud ja tööstushooned. Ülalmainitud näidete juurde kuuluvad ka nende juurdepääsu- ja hädaväljapääsuteed. Spetsiaalehitiste ja -piirkondade ohutusala nõuete kehtestamise vajalikkus võib olla sätestatud rahvuslike eeskirjadega, mis võivad sisaldada rangemaid nõudeid. MÄRKUS Turvasüsteemide kohta vt HD 60364-5-56.

EVS-HD 60364-7-729:2009/A11:2017

Madalpingelised elektripaigaldised. Osa 7-729: Nõuded eripaigaldistele ja -paikadele. Teenindus- ja hoolduskäigud
Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways

Standardi EVS-HD 60364-7-729:2009 muudatus

EVS-HD 60364-7-729:2009+A11:2017

Madalpingelised elektripaigaldised. Osa 7-729: Nõuded eripaigaldistele ja -paikadele. Teenindus- ja hoolduskäigud
Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways (IEC 60364-7-729:2007, modified)

HD 60364 käesoleva osa nõuded kehtivad põhikaitse ja muude aspektide osas aparaadikoosteid sisaldavates piiratud juurdepääsuga alades, kaasaarvatult nõuded teenindus- ja hoolduskäikudele.

EVS-IEC 60050(702):2001/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD1:2016)

Muudatus standardile IEC 60050-702:1992.

EVS-IEC 60050(702):2001/A2:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992/AMD2:2016)

Muudatus standardile IEC 60050-702:1992.

EVS-IEC 60050(702):2001+A1+A2

Rahvusvaheline elektrotehnika sõnastik. Osa 702: Võnkumised, signaalid ja vastavad seadmed International Electrotechnical Vocabulary (IEV). Chapter 702: Oscillations, signals and related devices (IEC 60050-702:1992 + IEC 60050-702:1992/AMD1:2016 + IEC 60050-702:1992/AMD2:2016)

Standardi IEC 60050 see osa annab peamised võnkumiste, signaalide ja vastavate seadmete alased terminid.

EVS-IEC 60050(713):2001/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 713: Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon
International Electrotechnical Vocabulary (IEV) - Chapter 713: Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998/AMD1:2016)

Muudatus standardile IEC 60050-713:1998.

EVS-IEC 60050(713):2001+A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 713: Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon
International Electrotechnical Vocabulary (IEV) - Chapter 713: Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998 + IEC 60050-713:1998/AMD1:2016)

Käesolev Eesti standard on koostatud rahvusvahelise standardi IEC 60050(713):1998 “International Electrotechnical Vocabulary Chapter 713: Radiocommunication: transmitters, receivers, networks and operation” alusel.

EVS-IEC 60050-161:2015/A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161/Amd 6:2016)

Muudatus standardile IEC 60050-161:1990.

EVS-IEC 60050-161:2015+A1:2017

Rahvusvaheline elektrotehnika sõnastik. Osa 161: Elektromagnetiline ühilduvus
International Electrotechnical Vocabulary. Chapter 161: Electromagnetic compatibility (IEC 60050-161:1990 +IEC 60050-161/Amd 1:1997 +IEC 60050-161/Amd 2:1998 +IEC 60050-161/Amd 3:2014 +IEC 60050-161/Amd 4:2014 +IEC 60050-161/Amd 5:2015 +IEC 60050-161/Amd 6:2016)

See IEC 60050 osa annab elektromagnetilise ühilduvuse valdkonnas kasutatava terminoloogia (nt “elektromagnetiline keskkond”, “elektromagnetiline häiring”, “elektromagnetiline häire”, “häiringutaluvus”, “häire piirtase”, jne.). Sellel on horisontaalse standardi staatus vastavuses IEC juhendile IEC Guide 108.

EVS-ISO 11352:2017

Vee kvaliteet. Määramatuse hindamine valideerimise ja kvaliteedikontrolli andmeid kasutades
Water quality - Estimation of measurement uncertainity based on validation and quality control data (ISO 11352:2012)

See rahvusvaheline standard kirjeldab keemilistele ja füüsikalis-keemilistele meetoditele mõõtemääramatuse hindamise protseduuri, mis põhineb ühe labori valideerimise andmetel ja kvaliteedikontrolli tulemustel vee analüüside valdkonnas. MÄRKUS 1 Selles rahvusvahelises standardis kasutusel olevad mõõtemääramatuse hindamise põhimõtted on kooskõlas põhimõtetega, mis kirjeldatud juhendis ISO/IEC Guide 98-3. Selles standardis toetub mõõtemääramatuse kvantifitseerimine mõõtmismeetodi suutlikkus-parameetritele, mis on saadud valideerimisel ning väliste ja sisemiste kvaliteedikontrollide tulemusel. MÄRKUS 2 Selles standardis kirjeldatud lähenemine põhineb peamiselt juhenditel QUAM[11], NEN 7779[8], Nordtest TR 537[10] ja Eurolab TR 1[9]. MÄRKUS 3 See standard on ette nähtud mõõtemääramatuse hindamiseks tulemustele, mis on saadud kvantitatiivsete analüüsimeetoditega. Käsitletud ei ole määramatusi, mis on saadud kvalitatiivsete protseduuridega

STANDARDIPEALKIRJADE MUUTMINE

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

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 16323:2014	Glossary of wastewater engineering terms	Kanalisatsioonitehnika oskussõnastik

UUED HARMONEERITUD STANDARDID

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

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

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 ülevõtvate Eesti standardite kohta järgmist infot:

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

Info esitatakse vastavate direktiivide kaupa.

Direktiiv 2014/53/EL
Raadioseadmed
(EL Teataja 2017/C 229/02)

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	Direktiivi 2014/53/EL artikkel
EVS-EN 301 357 V2.1.1:2017 Raadiosagedusalas 25 MHz kuni 2000 MHz töötavad juhtmeta audioseadmed; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel	14.07.2017	EN 301 357-2 V1.4.1 Märkus 2.1	28.02.2019	Artikli 3 lõige 2
EVS-EN 301 428 V2.1.2:2017 Satelliitside maajaamad ja süsteemid (SES); Väga väikese apertuuriga satelliitantenniga terminalid (VSAT); Raadiosagedusalades 11/12/14 GHz töötavate signaali edastust, edastust ja vastuvõttu või ainult vastuvõttu võimaldavate satelliitside maajaamade harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel	08.06.2017			Artikli 3 lõige 2
EVS-EN 301 893 V2.1.1:2017 5 GHz RLAN; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel	08.06.2017	EN 301 893 V1.8.1 Märkus 2.1	12.06.2018	Artikli 3 lõige 2
Märkus: Mis puutub adaptiivsusesse, siis võib kuni 12.6.2018 kasutada kas käesoleva harmoneeritud standardi punkti 4.2.7 või harmoneeritud standardi EN 301 893 V1.8.1 punkti 4.8; pärast nimetatud kuupäeva võib kasutada ainult käesoleva harmoneeritud standardi punkti 4.2.7.				
EVS-EN 302 217-2 V3.1.1:2017 Paiksed raadiosüsteemid; Raadioliinide seadmete ja antennide karakteristikud ja nõuded; Osa 2: Raadiosagedusalades 1,3-86 GHz töötavad digitaalsüsteemid; Harmoneeritud standard direktiivi 2014/53/EL artikli 3.2 oluliste nõuete alusel	08.06.2017	EN 302 217-2-2 V2.2.1 Märkus 2.1	31.12.2018	Artikli 3 lõige 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 kuupäevast alates ei loo asendatava standardi järgimine enam eeldust, et toode või teenus vastab liidu asjaomaste õigusaktide olulistele või muudele nõuetele.