EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

04/2011

Ilmub üks kord kuus alates 1993. aastast

# EVS TEATAJA

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

ISSN 1406-0698

Avaldatud 05.04.2011

# SISUKORD

## 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 EÜ direktiivide kontekstis ja tehnilise normi ja standardi seaduse mõistes Euroopa Komisjoni mandaadi alusel Euroopa standardimisorganisatsioonide poolt 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 seetõttu 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/enterprise/newapproach/standardization/harmstds

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.

## HARMONEERITUD STANDARDEID ÜLEVÕTVAD EESTI STANDARDID

### Direktiiv 2004/108/EÜ Elektromagnetiline ühilduvus

(EL Teataja 2011/C 59/01)

| **Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri** | **Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas** | **Viide asendatavale Eesti standardile** | **Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1** |
|---|---|---|---|
| EVS-EN 617:2001+A1:2010<br>Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutuse ja elektromagnetilise ühilduvuse nõuded puistmaterjalide ladustamisseadmetele silohoidlates, punkrites, salvedes ja hopperites / *Continuous handling equipment and systems - Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers* | 24.02.2011 | EVS-EN 617:2001<br>Märkus 2.1 | 30.06.2011 |

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|---|---|---|---|
| EVS-EN 618:2002+A1:2010<br>Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutuse ja elektromagnetilise ühilduvuse nõuded puistmaterjalide mehaanilise käitlemise seadmetele, väljaarvatult lintkonveieritele / *Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors* | 24.02.2011 | EVS-EN 618:2002<br>Märkus 2.1 | 30.06.2011 |
| EVS-EN 619:2003+A1:2010<br>Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutuse ja elektromagnetilise ühilduvuse nõuded kompaktkoormatemehaanilise käitlemise seadmetele KONSOLIDEERITUD TEKST / *Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of unit loads CONSOLIDATED TEXT* | 24.02.2011 | EVS-EN 619:2003<br>Märkus 2.1 | 30.04.2011 |
| EVS-EN 620:2002+A1:2010<br>Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutuse ja elektromagnetilise ühilduvuse nõuded puistmaterjalide lintkonveieritele / *Continuous handling equipment and systems - Safety and EMC requirements for fixed belt conveyors for bulk materials* | 24.02.2011 | EVS-EN 620:2002<br>Märkus 2.1 | 30.04.2011 |
| EVS-EN 50512:2009<br>Lennuväljade valgustuse ja majakasüsteemide elektripaigaldised. Arendatud visuaalsed dokkimisjuhindussüsteemid / *Electrical installations for lighting and beaconing of aerodromes - Advanced Visual Docking Guidance Systems (A-VDGS)* | 24.02.2011 | Vastav(a)d üldstandard(id)<br>Märkus 2.1 | |
| EVS-EN 50529-1:2010<br>Elektromagnetilise ühilduvuse võrgustandard. Osa 1: Juhtidel põhinevad telekommunikatsioonivõrgud, milles kasutatakse telefonijuhtmeid ja -kaableid / *EMC Network Standard - Part 1: Wire-line telecommunications networks using telephone wires* | 24.02.2011 | | |
| EVS-EN 50529-2:2010<br>Elektromagnetilise ühilduvuse võrgustandard. Osa 2: Juhtidel põhinevad telekommunikatsioonivõrgud, milles kasutatakse koaksiaalkaableid / *EMC Network Standard - Part 2: Wire-line telecommunications networks using coaxial cables* | 24.02.2011 | | |
| EVS-EN 60034-1:2010<br>Pöörlevad elektrimasinad. Osa 1: Tunnussuurused ja talitlusviisid / *Rotating electrical machines - Part 1: Rating and performance* | 24.02.2011 | Vastav(a)d üldstandard(id)<br>Märkus 2.1 | 01.10.2013 |
| EVS-EN 60034-1:2010/AC:2010 | 24.02.2011 | | |
| EVS-EN 60730-2-7:2010<br>Elektrilised automaatjuhtimisseadmed majapidamis- ja muuks taoliseks kasutuseks. Osa 2-7: Erinõuded taimeritele ja lülituskelladele / *Automatic electrical controls for household and similar use - Part 2-7: Particular requirements for timers and time switches* | 24.02.2011 | EVS-EN 60730-2-7:2001<br>ja selle muudatus<br>Märkus 2.1 | 01.10.2013 |
| EVS-EN 60730-2-9:2010<br>Elektrilised automaatjuhtimisseadmed majapidamis- ja muuks taoliseks kasutuseks. Osa 2-9: Erinõuded temperatuuriandur-juhtimisseadistele / *Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls* | 24.02.2011 | EVS-EN 60730-2-9:2003<br>ja selle muudatused<br>Märkus 2.1 | 01.11.2013 |

| | | | |
|---|---|---|---|
| EVS-EN 300 386 V1.5.1:2011<br>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Telekommunikatsioonivõrgu seadmed;Elektromagnetilise ühilduvuse (EMC) nõuded / *Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements* | 24.02.2011 | EVS-EN 300 386 V1.4.1:2008<br>Märkus 2.1 | 31.01.2014 |
| EVS-EN 301 489-34 V1.1.1:2011<br>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard;Osa 34: Eritingimused mobiiltelefonide välistele toiteallikatele / *Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 34: Specific conditions for External Power Supply (EPS) for mobile phones* | 24.02.2011 | | |

Märkus 1: Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab („dow“), Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teatavatel erandjuhtudel võib olla ka teisiti.

Märkus 2.1: Uue (või muudetud) standardi reguleerimisala on samasugune nagu asendataval standardil. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

**Direktiiv 95/16/EÜ Liftid**
(EL Teataja 2011/C 77/07)
11.03.2011 (märkuste avaldamine)

| **Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri** | **Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas** | **Viide asendatavale Eesti standardile** | **Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1** |
|---|---|---|---|
| EVS-EN 81-1:1999<br>Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 1: Elektriliftid / *Safety rules for the construction and installation of lifts - Part 1: Electric lifts* | 31.03.199 | | |
| EVS-EN 81-1:1999/A1:2006 | 02.08.2006 | Märkus 3 | Kehtuvuse lõppkuupäev (02.08.2006) |
| EVS-EN 81-1:1999/A2:2004 | 06.08.2005 | Märkus 3 | Kehtuvuse lõppkuupäev (06.08.2005) |

Märkus 4: EN 81-28:2003 asendab osaliselt standardite EN 81-1 ja 81-2 häiresüsteeme käsitlevat klauslit 14.2.3 ning järgmisel läbivaatamisel tehakse standardites EN 81-1 ja EN 81-2 asjakohased muudatused.

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|---|---|---|---|
| EVS-EN 81-1:1998+A3:2010<br>Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 1: Elektriliftid KONSOLIDEERITUD TEKST<br>*Safety rules for the construction and installation of lifts - Part 1: Electric lifts CONSOLIDATED TEXT* | 02.03.2010 | EVS-EN 81-1:1999<br>Märkus 2.1 | 31.12.2011 |

Asendatava standardi vastavuseelduse lõppemise kuupäev, mis oli algselt määratud 30. juuniks 2011, on edasi lükatud kuue kuu võrra.

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|---|---|---|---|
| EVS-EN 81-2:1999<br>Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liftid / *Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts* | 31.03.1999 | | |
| EVS-EN 81-2:1999/A1:2006 | 02.08.2006 | Märkus 3 | Kehtuvuse lõppkuupäev (02.08.2006) |
| EVS-EN 81-2:1999/A2:2004 | 06.08.2005 | Märkus 3 | Kehtuvuse lõppkuupäev (06.08.2005) |

Märkus 4: EN 81-28:2003 asendab osaliselt standardite EN 81-1 ja 81-2 häiresüsteeme käsitlevat klauslit 14.2.3 ning järgmisel läbivaatamisel tehakse standardites EN 81-1 ja EN 81-2 asjakohased muudatused.

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|---|---|---|---|
| EVS-EN 81-2:1998+A3:2010<br>Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liftid KONSOLIDEERITUD TEKST / *Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts CONSOLIDATED TEXT* | 02.03.2010 | EVS-EN 81-2:1999<br>Märkus 2.1 | 31.12.2011 |

Asendatava standardi vastavuseelduse lõppemise kuupäev, mis oli algselt määratud 30. juuniks 2011, on edasi lükatud kuue kuu võrra.

| | | | |
|---|---|---|---|
| EVS-EN 81-28:2003<br>Liftide valmistamise ja paigaldamise ohutuseeskirjad. Inimeste ja kauba transpordi liftid. Osa 28: Reisi- ja kaubaliftide kaugjuhtimishäiresüsteem / *Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts* | 10.02.2004 | | |

Märkus 4: EN 81-28:2003 asendab osaliselt standardite EN 81-1 ja 81-2 häiresüsteeme käsitlevat klauslit 14.2.3 ning järgmisel läbivaatamisel tehakse standardites EN 81-1 ja EN 81-2 asjakohased muudatused.

Märkus 1: Tavaliselt on kuupäevaks, mil asendatava standardi järgimisest tulenev vastavuseeldus kehtivuse kaotab („dow“), Euroopa standardiorganisatsiooni kehtestatud tühistamiskuupäev, kuid kõnealuste standardite kasutajate tähelepanu juhitakse asjaolule, et teatavatel erandjuhtudel võib olla ka teisiti.

Märkus 3: Muudatuste puhul on viitestandard EVS-EN CCCCC:AAAA, vajaduse korral selle varasemad muudatused ja osutatud uus muudatus. Asendatav standard (veerg 3) koosneb seega standardist EVS-EN CCCCC:AAAA ja vajaduse korral selle varasematest muudatustest, kuid ei hõlma osutatud uut muudatust. Osutatud kuupäeval kaotab kehtivuse asendatava standardi järgimisest tulenev vastavuseeldus direktiivi oluliste nõuetega.

# UUED STANDARDID JA KAVANDID ARVAMUSKÜSITLUSEKS

EVS Teataja avaldab andmed uutest vastuvõetud Eesti standarditest ja avalikuks arvamusküsitluseks esitatud standardite kavanditest rahvusvahelise standardite klassifikaatori (ICS) järgi. Samas jaotises on toodud andmed nii eesti keeles avaldatud, kui ka jõustumisteatega Eesti standarditeks ingliskeelsetena vastuvõetud rahvusvahelistest ja Euroopa standarditest.
Eesmärgiga tagada standardite vastuvõtmine järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardite kavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (reeglina 2 kuud) on asjast huvitatuil võimalik tutvuda standardite kavanditega, esitada kommentaare ning teha ettepanekuid parandusteks.

Arvamusküsitlusele on esitatud:

1. Euroopa ja rahvusvahelised standardid ning standardikavandid, mis on kavas vastu võtta Eesti standarditeks jõustumisteatega. Kavandid on kättesaadavad reeglina inglise keeles EVS klienditeeninduses ning standardiosakonnas. EVS tehnilistel komiteedel on võimalik saada koopiaid oma käsitlusalaga kokkulangevatest standardite kavanditest EVS kontaktisiku kaudu.

2. Eesti algupäraste standardite kavandid, mis Eesti standardimisprogrammi järgi on jõudnud arvamusküsitluse etappi.

Arvamusküsitlusel olevate dokumentide loetelus on esitatud järgnev informatsioon standardikavandi või standardi kohta:

- Tähis (eesliide pr Euroopa ja DIS rahvusvahelise kavandi puhul)
- Viide identsele Euroopa või rahvusvahelisele dokumendile
- Arvamusküsitluse lõppkuupäev (arvamuste esitamise tähtaeg)
- Pealkiri
- Käsitlusala
- Keelsus (en=inglise; et=eesti)

Kavandite arvamusküsitlusel on eriti oodatud teave kui rahvusvahelist või Euroopa standardit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel). Soovitame arvamusküsitlusele pandud standarditega tutvuda igakuiselt kasutades EVS infoteenust või EVS Teatajat. Kui see ei ole võimalik, siis alati viimase kahe kuu nimekirjadega kodulehel ja EVS Teatajas, kuna sellisel juhul saate info kõigist hetkel kommenteerimisel olevatest kavanditest.

Kavanditega tutvumiseks palume saata vastav teade aadressile standardiosakond@evs.ee, kavandeid saab osta klienditeenindusest standard@evs.ee.

Vastavad vormid arvamuse avaldamiseks Euroopa ja rahvusvaheliste standardikavandite ning algupäraste Eesti standardikavandite kohta leiate EVS koduleheküljelt www.evs.ee .

# ICS PÕHIRÜHMAD

## ICS Nimetus

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| 01 | Üldküsimused. Terminoloogia. Standardimine. Dokumentatsioon |
| 03 | Teenused. Ettevõtte organiseerimine, juhtimine ja kvaliteet. Haldus. Transport. Sotsioloogia |
| 07 | Matemaatika. Loodusteadused |
| 11 | Tervisehooldus |
| 13 | Keskkonna- ja tervisekaitse. Ohutus |
| 17 | Metroloogia ja mõõtmine. Füüsikalised nähtused |
| 19 | Katsetamine |
| 21 | Üldkasutatavad masinad ja nende osad |
| 23 | Üldkasutatavad hüdro- ja pneumosüsteemid ja nende osad |
| 25 | Tootmistehnoloogia |
| 27 | Elektri- ja soojusenergeetika |
| 29 | Elektrotehnika |
| 31 | Elektroonika |
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| 81 | Klaasi- ja keraamikatööstus |
| 83 | Kummi- ja plastitööstus |
| 85 | Paberitehnoloogia |
| 87 | Värvide ja värvainete tööstus |
| 91 | Ehitusmaterjalid ja ehitus |
| 93 | Rajatised |
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| 97 | Olme. Meelelahutus. Sport |
| 99 | Muud |

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### UUED STANDARDID JA PUBLIKATSIOONID

**EVS-EN 13710:2011**

Hind 16,36

Identne EN 13710:2011

**European Ordering Rules - Ordering of characters from Latin, Greek, Cyrillic, Georgian and Armenian scripts**

This European Standard specifies the order between two character strings composed of characters from the Modern European Scripts (MES) collection of ISO/IEC 10646:2003 or subsets of it. NOTE Collection 283 Modern European Scripts (MES) of ISO/IEC 10646:2003 was originally specified in CEN Workshop Agreement 13873:2000 Multilingual European Subsets of ISO/IEC 10646 as Multilingual European Subset Number 3 and was subsequently incorporated as a collection in Annex A of ISO/IEC 10646:2003 alongside its sister collections MES-1 and MES-2. The ordering rules specified in this European Standard are only applicable for lists of data in more than one European language and when this data is intended for a multicultural audience. They complement existing national standards or practices in the field.

Keel en

**EVS-EN 15357:2011**

Hind 10,61

Identne EN 15357:2011

**Solid recovered fuels - Terminology, definitions and descriptions**

This European Standard defines terms and definitions concerned in all standardisation work within the scope of CEN/TC 343, i.e. terms used in the field of production and trade of solid recovered fuels that are prepared from non-hazardous waste.

Keel en

Asendab CEN/TS 15357:2006

**EVS-EN 15986:2011**

Hind 7,29

Identne EN 15986:2011

**Symbol for use in the labelling of medical devices - Requirements for labelling of medical devices containing phthalates**

This European Standard specifies requirements for the labelling of a medical device or parts of a medical device to indicate the presence of phthalates, when required by Annex I of Directive 93/42/EEC Section 7.5, 2nd paragraph. This specifically includes the format of a symbol to be used in the labelling. This European Standard does not specify the requirements for information to be supplied with medical devices, which are addressed by EN 980 and EN 1041. This European Standard does not specify the requirements of the 1st and of the 3rd paragraphs of Essential Requirement 7.5.

Keel en

### ASENDATUD VÕI TÜHISTATUD STANDARDID

**CEN/TS 15357:2006**

Identne CEN/TS 15357:2006

**Solid recovered fuels - Terminology, definitions and descriptions**

This Technical Specification defines terms concerned in all standardisation work within the scope of CEN/TC 343, i.e. terms used in the field of production and trade of solid recovered fuels that are prepared from non-hazardous waste.

Keel en

Asendatud EVS-EN 15357:2011

### KAVANDITE ARVAMUSKÜSITLUS

**prEN 13237**

Identne prEN 13237:2011

Tähtaeg 30.05.2011

**Plahvatusohtlikud keskkonnad. Plahvatusohtlikus keskkonnas kasutamiseks mõeldud seadmete ja kaitsesüsteemide mõisted ja määratlused**

This European Standard specifies terms and definitions (vocabulary) to be used in suitable standards dealing with equipment and protective systems intended for use in potentially explosive atmospheres.

Keel en

Asendab EVS-EN 13237:2003

**prEN 16256-1**

Identne prEN 16256-1:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 1: Terminology**

This European Standard defines various terms relating to the design, construction, primary packaging and testing of theatrical pyrotechnic articles and specifies the generic types.

Keel en

**prEN ISO 14451-1**

Identne prEN ISO 14451-1:2011

ja identne ISO/DIS 14451-1:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 1: Terminology (ISO/DIS 14451-1:2011)**

This Standard establishes a terminology related to test methods and requirements for pyrotechnic articles for vehicles.

Keel en

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

### UUED STANDARDID JA PUBLIKATSIOONID

**CEN/TR 16092:2011**

Hind 14

Identne CEN/TR 16092:2011

**Electronic fee collection - Requirements for pre-payment systems**

This technical report (TR) analyses requirements for a universal Pre-Pay account system for EFC including the following issues: - relations to other existing standards in this domain; - the core requirements and functionality that must be provided. This technical report will show an analysis of the requirements for a universal prepay system and categorise possible different types of pre-pay solutions, in terms of functionality, technical and legal considerations. As far as legal requirements are concerned it will be clarified whether the pre-payment means fall within the scope of European Directive 2000/46/EC on the taking up, pursuit of and prudential supervision of the business of electronic money institutions and whether the medium-issuing organisation has to act as a financial institution and falls within the scope of the Payment Service Directive 2007/64/EC. The latter applying exactly to payment activities undertaken by entities but do not require a full bank license. The technical report will describe the current state-of-affairs of EFC pre-payment systems, including the demand for standards and inventory of provisions provided by standards. It will identify and prioritize gaps in terms of standards or other enablers needed in order for the market to provide viable pre-payment solutions in a European context.

Keel en

**CEN/TR 16152:2011**

Hind 14,64

Identne CEN/TR 16152:2011

**Electronic fee collection - Personalisation and mounting of first mount OBE**

It could be foreseen that in future the DSRC OBE will be delivered by car manufacturer as a feature of the vehicle as they do today with car radio which are parts of the most sold vehicles. For the vehicle owner, the OBE supplier is the car manufacturer acting as an OEM (Original Equipment Manufacturer). The integration of first mount OBE by car manufacturer is the only way to create a future mass market for EFC application based upon DSRC as well as GNSS/CN, as at present the integration of this type of OBEs cannot be achieved except for heavy goods vehicles. Regarding DSRC, this is also an opportunity to extend the capability of today's EFC technologies by providing increased quality of service, and possibly a greater range of services using in-vehicle electronics and resources.

Keel en

**CWA 16275:2011**

Hind 9,27

Identne CWA 16275:2011

**Guidelines for the selection of consultants advising SMEs on integrated quality, environment, health and safety management systems**

This CWA provides guidance and criteria for selecting integrated management system consultants to assist SMEs in: a) designing, implementing, maintaining and improving an integrated management system; b) giving advice and information on the management of quality, environment, health and safety from an integrated and process focused perspective.

Keel en

**EVS-EN 15964:2011**

Hind 13,36

Identne EN 15964:2011

**Breath alcohol test devices other than single use devices - Requirements and test methods**

This European Standard applies to breath alcohol test devices which measure the concentration of alcohol contained in an exhaled breath sample intended to be used for screening or preliminary testing. This standard specifies requirements for basic safety and performance, test methods and requirements for marking, labelling and operating instructions. This standard gives guidelines for type approval procedure consisting of a number of technical performance tests, but excluding in vivo tests, that are carried out on devices supplied by the manufacturers. In vivo tests, which are designed to test the ability of the device to work with real subjects, may be arranged in compliance with national requirements. This standard is not applicable to devices covered by OIML R 126:1998 (Evidential breath analyzers) or single use testers. Devices are designed for law enforcement.

Keel en

### KAVANDITE ARVAMUSKÜSITLUS

**prEN 13067**

Identne prEN 13067:2011

Tähtaeg 30.05.2011

**Plastics welding personnel - Qualification testing of welders - Thermoplastics welded assemblies**

This standard specifies the method of testing the knowledge and skill of a welder who is required to carry out welds on thermoplastics in new constructions and repair work. The skill examination of a welder is an essential condition for the assurance of the quality of the welding work. The application of this standard guarantees that the examination is carried out according to a uniform test procedure. The standard applies when the contractor or the authorities responsible for the application require it. Gas and water utility network industries with alternative qualification programmes are excluded from this standard.

Keel en

Asendab EVS-EN 13067:2003

**prEN 16250-1**

Identne prEN 16250-1:2011

Tähtaeg 30.05.2011

**Levels of performance and acceptance for street cleaning and municipal waste management services - Part 1: General requirements**

The standard lists the general requirements to define levels of performance and acceptance for street cleaning and waste management services and to take into account to draw up and to operate service contracts for a better result in terms of qualitative and quantitative performances definition and survey, clearing agreements in case of deviations, economic optimisation, environmental sustainability and pollution prevention. When the client isn't a public administration but a private customer, purchasing street cleaning and/or municipal waste management services directly from the service provider, the standard is applicable, when appropriate; in this case the term "Administration" includes also these private customers. This document is intended for public authorities and other bodies (or actors) requiring street cleaning and/or waste management services as well as for public and private waste management companies offering services of street cleaning and/or of waste and recycling logistics.

Keel en

**prEN 16258**

Identne prEN 16258:2011

Tähtaeg 30.05.2011

**Methodology for calculation and declaration on energy consumptions and GHG emissions in transport services (good and passengers transport)**

This standard establishes a common methodology for the calculation, declaration and reporting on energy use and greenhouse gas (GHG) emissions related to a transport service (of goods, passengers or both). It specifies guidelines, general principles, definitions, system boundaries, calculation methods, apportionment rules (allocation) and data recommendations, with the objective to promote standardized, accurate, credible and verifiable declarations, regarding energy use and GHG emissions related to any transport service quantified. Potential users of this standard are any person or organisation who needs to refer to a standardized methodology when communicating the results of the quantification of a transport service, especially: - Transport service operators (freight or passengers carriers); - Transport service organizers (carriers subcontracting transport operations, freight forwarders and travel agencies); - Transport services buyers (shippers and passengers).

Keel en

**prEN ISO 9712**

Identne prEN ISO 9712:2011

ja identne ISO/DIS 9712:2011

Tähtaeg 30.05.2011

**Mittepurustav katsetamine. NDT personali kvalifitseerimine ja sertifitseerimine. Põhialused (ISO/DIS 9712:2011)**

This International Standard establishes principles for the qualification and certification of personnel who perform industrial non-destructive testing (NDT). The system described in this International Standard can also apply to other NDT methods, or to new techniques within an established NDT method, provided a comprehensive scheme of certification exists and the method or technique is covered by International, European, regional or national standards, The certification covers proficiency in one or more of the following methods : a) acoustic emission testing; b) eddy current testing; c) infrared thermography testing; d) leak testing (hydraulic pressure tests excluded); e) magnetic testing (magnetic particle testing and flux leakage testing) ; f) penetrant testing; g) radiographic testing; h) strain testing i) ultrasonic testing; j) visual testing (direct unaided visual tests and visual tests carried out during the application of another NDT method are excluded). Certification to this International Standard provides an attestation of general competence of the NDT operator. It does not represent an authorization to operate, since this remains the responsibility of the employer, and the certified employee may require additional specialized knowledge of parameters such as equipment, NDT procedures, materials and products specific for the employer. Where required by regulatory requirements and codes, the authorization to operate shall be given in writing by the employer in accordance with a quality procedure that defines any employer required job -specific training and examinations designed to verify the certificate holder's knowledge of relevant industry code(s), standard(s), NDT procedures, equipment, and acceptance criteria for the tested products.

Keel en

Asendab EVS-EN 473:2008

## 07 MATEMAATIKA. LOODUSTEADUSED

**KAVANDITE ARVAMUSKÜSITLUS**

**prEVS-ISO 6611:2011**

ja identne ISO 6611:2004

Tähtaeg 30.05.2011

**Piim ja piimatooted. Pärmide ja/või hallituste kolooniaid moodustavate ühikute arvuline määramine. Kolooniate loendamise tehnika 25 °C juures. (ISO 6611:2004)**

Standard määratleb piimas ja piimatoodetes olevate elusate pärmide ja/või hallituste kolooniaid moodustavate ühikute (CFU) määramise ja loendamise meetodi kolooniate arvu loendamise tehnikaga 25 °C juures. Meetodit rakendatakse toodetele: - piim ja vedelad piimatooted, - piimapulber, vadakupulber, petipulber, laktoos, - juust, - happekaseiin, piimhappekaseiin, laabikaseiin, - kaseinaadid, hapuvadakupulber, - või, - külmutatud piimatooted (kaasaarvatud jäätised), - keedukreemid, desserdid, fermenteeritud piim ja koor. MÄRKUS Käesolev meetod ei sobi paljudele termolabiilsetele pärmidele (värsketes juustudes). Sel juhul tuleb eelistada pindkülvimeetodit agarile.

Keel et

## 11 TERVISEHOOLDUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 13795:2011**

Hind 10,61

Identne EN 13795:2011

**Kirurgilised linad, kitlid ja kaitseülikonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Üldnõuded tootjatele, töötlejatele ja toodetele, katsemeetodid, toimimisnõuded ja -tasemed**

This European Standard specifies information to be supplied to users and third party verifiers in addition to the usual labelling of medical devices (see EN 980 and EN 1041), concerning manufacturing and processing requirements. This European Standard gives information on the characteristics of single-use and reusable surgical gowns, surgical drapes and clean air suits used as medical devices for patients, clinical staff and equipment, intended to prevent the transmission of infective agents between patients and clinical staff during surgical and other invasive procedures. This European Standard specifies test methods for evaluating the identified characteristics of surgical drapes, gowns and clean air suits and sets performance requirements for these products. EN 13795 does not cover requirements for flammability of products. Suitable test methods for flammability and resistance to penetration by laser radiation, together with an appropriate classification system, are given in EN ISO 11810-1 and EN ISO 11810-2. Additional essential requirements that apply to surgical clothing and drapes are covered by other European Standards.

Keel en

Asendab EVS-EN 13795-1:2002+A1:2009; EVS-EN 13795-2:2005+A1:2009; EVS-EN 13795-3:2006+A1:2009

**EVS-EN 15986:2011**

Hind 7,29

Identne EN 15986:2011

**Symbol for use in the labelling of medical devices - Requirements for labelling of medical devices containing phthalates**

This European Standard specifies requirements for the labelling of a medical device or parts of a medical device to indicate the presence of phthalates, when required by Annex I of Directive 93/42/EEC Section 7.5, 2nd paragraph. This specifically includes the format of a symbol to be used in the labelling. This European Standard does not specify the requirements for information to be supplied with medical devices, which are addressed by EN 980 and EN 1041. This European Standard does not specify the requirements of the 1st and of the 3rd paragraphs of Essential Requirement 7.5.

Keel en

**EVS-EN 16128:2011**

Hind 9,27

Identne EN 16128:2011

**Reference test method for release of nickel from those parts of spectacle frames and sunglasses intended to come into close and prolonged contact with the skin**

This European Standard specifies a method for simulating the release of nickel from those parts of spectacle frames and sunglasses intended to come into direct and prolonged contact with the skin in order to determine whether they release nickel at a rate greater than 0,5 µg/cm2/week.

Keel en

Asendab EVS-EN 1811:2001+A1:2008

**EVS-EN 60601-2-45:2011**

Hind 16,36

Identne EN 60601-2-45:2011

ja identne IEC 60601-2-45:2011

**Elektrilised meditsiiniseadmed. Osa 2-45: Erinõuded mammograafias kasutatavate röntgenseadmete ja mammograafiliste stereotaktiliste seadmete esmasele ohutusele ja olulistele toimimisnäitajatele**

This international standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MAMMOGRAPHIC X-RAY EQUIPMENT and MAMMOGRAPHIC STEREOTACTIC DEVICES, hereafter also referred to as ME EQUIPMENT.

Keel en

Asendab EVS-EN 60601-2-45:2002

**EVS-EN 80001-1:2011**

Hind 14,64

Identne EN 80001-1:2011

ja identne IEC 80001-1:2010

**Riskijuhtimise rakendamine meditsiiniseadmeid sisaldavates IT-võrkudes. Osa 1: Rollid, vastutus ja tegevused**

Recognizing that MEDICAL DEVICES are incorporated into IT-NETWORKS to achieve desirable benefits (for example, INTEROPERABILITY), this international standard defines the roles, responsibilities and activities that are necessary for RISK MANAGEMENT of IT-NETWORKS incorporating MEDICAL DEVICES to address SAFETY, EFFECTIVENESS and DATA AND SYSTEM SECURITY (the KEY PROPERTIES). This international standard does not specify acceptable RISK levels.

Keel en

**EVS-EN ISO 3107:2011**

Hind 7,93

Identne EN ISO 3107:2011

ja identne ISO 3107:2011

**Dentistry - Zinc oxide/eugenol cements and zinc oxide/noneugenol cements (ISO 3107:2011)**

This International Standard specifies requirements for non-water-based zinc oxide/eugenol cements suitable for use in restorative dentistry for temporary cementation, for bases and as temporary restorations. This International Standard also specifies requirements for non-eugenol cements containing zinc oxide and aromatic oils suitable for temporary cementation.

Keel en

Asendab EVS-EN ISO 3107:2004

## ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS-EN 13795-1:2002+A1:2009**

Identne EN 13795-1:2002+A1:2009

**Kirurgilised linad, kitlid ja kaitseülikonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Osa 1. Üldnõuded tootjatele, töötlejatele ja toodetele KONSOLIDEERITUD TEKST**

Käesolev standard täpsustab kasutajatele ja kolmanda osapoole testijatele antavat informatsiooni lisaks tavapärasele meditsiiniseadmete märgistamisele (vt EN 980 ja EN 1041) tootmise ja töötlemise nõuete kohta. Standard esitab üldised suunised ühekordsete ja korduvkasutatavate kirurgiliste kitlite, kirurgiliste linade ja kaitseülikondade omadustele, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Tuleb ennetada nakkusohtlike osakeste edasikandumist patsiendi ja kliinilise personali vahel kirurgiliste või teiste invasiivsete protseduuride ajal.
Standardis EN 13795 ei käsitleta kirurgilisi maske, kirurgilisi kindaid, pakkematerjale, jala- ja peakatteid ning sisselõikelinu. Nõuded meditsiinilistele kinnastele on esitatud Euroopa standardite EN 455 seerias ning pakke-materjalid on hõlmatud EN 868 seerias. Nõuded kirurgilistele maskidele ja peakatetele määratletakse tulevases standardis CEN/TC 205.
Standardis EN 13795 ei käsitleta nõudeid laserkirurgias kasutatavate toodete süttivusele. Sobilikud katse-meetodid süttivuse ja laserkiirguse läbilaskekindluse testimiseks koos vastavate klassifikatsioonisüsteemidega on välja toodud standardis EN ISO 11810. Olulised lisanõuded kirurgilistele riietele ja linadele on hõlmatud teiste Euroopa standarditega.

Keel et

Asendab EVS-EN 13795-1:2002

Asendatud EVS-EN 13795:2011

**EVS-EN 13795-2:2005+A1:2009**

Identne EN 13795-2:2004+A1:2009

**Kirurgilised linad, kitlid ja kaitseülikonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Osa 2: Katsemeetodid KONSOLIDEERITUD TEKST**

Käesolev standardiseeria EN 13795 osa määratleb kirurgiliste linade, kitlite ja kaitseülikondade katsemeetodid. MÄRKUS 1 Katsemeetodid määratletakse viidates standardsetele katsemeetoditele ning kui vajalik, määratledes muudatused, et kohandada katsemeetodit käesoleva dokumendi eesmärkidele. MÄRKUS 2 EN 13795-2 ei hõlma katsemeetodit haava isoleerimise eesmärgil liimaine kinnitumise hindamiseks, kuna praegusel hetkel ei ole saadaval sobivat katsemeetodit inimese naha külge kinnitumise jaoks. Rohkem informatsiooni liimaine kinnitumise kohta haava isoleerimise eesmärgil vt EN 13795-1:2002, lisa B.

Keel et

Asendab EVS-EN 13795-2:2005

Asendatud EVS-EN 13795:2011

**EVS-EN 13795-3:2006+A1:2009**

Identne EN 13795-3:2006+A1:2009

**Kirurgilised linad, kitlid ja kaitseülikonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Osa 3: Toimimisnõuded ja -tasemed KONSOLIDEERITUD TEKST**

EN 13795 seeria käesolev osa määratleb kirurgiliste linade, kitlite ja kaitseülikondade toimimisnõudeid. MÄRKUS Üldised toimimisnõuded määratletakse erinevate omaduste kohta nagu standardi EN 13795-1:2002 kohta tabelid 1, 2 ja 3 ning neid peaks hindama vastavalt standarditele EN 13795-2, EN ISO 22610 ja EN ISO 22612.

Keel et

Asendab EVS-EN 13795-3:2006

Asendatud EVS-EN 13795:2011

**EVS-EN 60601-2-45:2002**

Identne EN 60601-2-45:2001

ja identne IEC 60601-2-45:2001

**Elektrilised meditsiiniseadmed. Osa 2-45: Erinõuded mammograafia röntgeniseadmestiku ja mammograafia stereotaksiliste seadmete ohutusele**

This particular standard contains requirements for the safety of X-ray equipment designed for mammography amd mammographic stereotactic devices.

Keel en

Asendatud EVS-EN 60601-2-45:2011

**EVS-EN ISO 3107:2004**

Identne EN ISO 3107:2004 + AC:2006

ja identne ISO 3107:2004

**Dentistry - Zinc oxide/eugenol and zinc oxide/non-eugenol cements**

This International Standard specifies the requirements and performance test methods for non-water-based zinc oxide/eugenol cements suitable for use in restorative dentistry for temporary cementation, for permanent cementation, for cavity liners and bases and as temporary restorations. This International Standard is also applicable to non-eugenol cements containing zinc oxide and aromatic oils suitable for temporary cementation.

Keel en

Asendab EVS-EN 23107:1999

Asendatud EVS-EN ISO 3107:2011

## KAVANDITE ARVAMUSKÜSITLUS

**EN 60601-1:2006/FprA1**

Identne EN 60601-1:2006/FprA1:2011

ja identne IEC 60601-1:2005/A1:201X

Tähtaeg 30.05.2011

**Elektrilised meditsiiniseadmed. Osa 1: Üldised nõuded esmasele ohutusele ja olulistele toimimisnäitajatele**

Standard kehtib elektriliste meditsiiniseadmete ja elektriliste meditsiinisüsteemide (edaspidi EM-SEADMETE ja EM-SÜSTEEMIDE) esmase ohutuse ja oluliste toimimisnäitajate kohta. Juhul kui mingi jaotis või alajaotis on spetsiaalselt ette nähtud kohaldamiseks üksnes EM-SEADMETELE, või üksnes EM-SÜSTEEMIDELE, on seda vastavas jaotises või alajaotises öeldud. Kui nii pole öeldud, on see jaotis või alajaotis asjakohaselt kohaldatav nii EM-SEADMETELE kui ka EM-SÜSTEEMIDELE.

Keel en

**EN 60601-2-44:2009/FprA1**

Identne EN 60601-2-44:2009/FprA1:2011

ja identne IEC 60601-2-44:2009/A1:201X

Tähtaeg 30.05.2011

**Elektrilised meditsiiniseadmed. Osa 2-44: Erinõuded röntgenkompuutertomograafide esmasele ohutusele ja olulistele toimimisnäitajatele**

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of CT SCANNERS, hereafter also referred to as ME EQUIPMENT. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant.

Keel en

**EN ISO 11979-7:2006/prA1**

Identne EN ISO 11979-7:2006/prA1:2011

ja identne ISO 11979-7:2006/DAM 1:2011

Tähtaeg 30.05.2011

**Ophthalmic implants - Intraocular lenses - Part 7: Clinical investigations (ISO 11979-7:2006/DAM 1:2011)**

This part of ISO 11979 specifies particular requirements for clinical investigations for posterior and anterior chamber monofocal intraocular lenses (IOLs) for the correction of aphakia.

Keel en

**FprEN ISO 7439**

Identne FprEN ISO 7439:2011

ja identne ISO/FDIS 7439:2011

Tähtaeg 30.05.2011

**Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO/FDIS 7439:2011)**

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

Keel en

Asendab EVS-EN ISO 7439:2009

**prEN 12183**

Identne prEN 12183:2011

Tähtaeg 30.05.2011

**Manuaalsed ratastoolid. Nõuded ja katsemeetodid**

This European Standard specifies requirements and test methods for manual wheelchairs intended to carry one person of mass not greater than 300 kg. It also specifies requirements and test methods for manual wheelchairs with electrically powered ancillary equipment. This European Standard does not apply in total to: - wheelchairs intended for special purposes, such as sports, showering or toileting; - custom-made wheelchairs; - stand-up wheelchairs; and - add-on power kits for the propulsion of manual wheelchairs.

Keel en

Asendab EVS-EN 12183:2009

**prEN 14204**

Identne prEN 14204:2011

Tähtaeg 30.05.2011

**Chemical disinfectants and antiseptics - Quantitative surface test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)**

This European Standard specifies a test method and the minimum requirements for mycobactericidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or — in the case of ready-to-use-products — with water. Products can only be tested at a concentration of 80 % or less, as some dilution is always produced by adding the test organisms and interfering substance. This European Standard applies to products that are used in the veterinary area – i.e. in the breeding, husbandry, production, transport and disposal of all animals except when in the food chain following death and entry to the processing industry. EN 14885 specifies in detail the relationship of the various tests to one another and to “use recommendations”.

Keel en

Asendab EVS-EN 14204:2004

**prEN ISO 5840-3**

Identne prEN ISO 5840-3:2011

ja identne ISO/DIS 5840-3:2011

Tähtaeg 30.05.2011

**Cardiovascular implants - Cardiac valve prostheses - Part 3: Heart valve substitutes implanted by minimally invasive techniques (ISO/DIS 5840-3:2011)**

1.1 This International Standard is applicable to all devices intended for implantation in human hearts as a minimally invasive implanted heart valve substitute. 1.2 This International Standard is applicable to both newly developed and modified minimally invasive implanted heart valve substitutes and to the accessory devices, packaging and labeling required for their implantation and for determining the appropriate size of heart valve substitute to be implanted. 1.3 This International Standard outlines an approach for qualifying the design and manufacture of a minimally invasive heart valve substitute through risk management. The selection of appropriate qualification tests and methods are to be derived from the risk assessment. The tests may include those to assess the physical, chemical, biological, and mechanical properties of heart valve substitutes and of their materials and components. The tests may also include those for preclinical in vivo evaluation and clinical evaluation of the finished heart valve substitute. 1.4 This International Standard imposes design specifications and minimum performance specifications for minimally invasive implanted heart valve substitutes where adequate scientific and/or clinical evidence exists for their justification. 1.5 This International Standard excludes heart valve substitutes designed for implantation in artificial hearts or heart assist devices. 1.6 This document does not specifically address requirements for valve-in-valve configurations.

Keel en

Asendab EVS-EN ISO 5840:2009

**prEN ISO 12836**

Identne prEN ISO 12836:2011

ja identne ISO/DIS 12836:2011

Tähtaeg 30.05.2011

**Dentistry - Digitizing devices used in CAD/CAM systems - Test methods for assessing the accuracy and precision (ISO/DIS 12836:2011)**

This International Standard describes test methods for the assessment of the accuracy and reproducibility of digitization devices for CAD/CAM systems for indirect dental restorations. The accuracy, repeatability and reproducibility of intra- and extra-oral surface digitization devices for hard and soft tissue and dental implant system components and any models thereof shall be determined to prove their efficacy. This test method does not apply to digitization by X-ray methods and by MRI-methods.

Keel en

**prEN ISO 13017**

Identne prEN ISO 13017:2011

ja identne ISO/DIS 13017:2011

Tähtaeg 30.05.2011

**Dentistry - Magnetic attachments (ISO/DIS 13017:2011)**

This international standard specifies requirements and test methods for the assessment of the applicability of dental magnetic attachments that provide retention, support, and stabilization of crowns and bridges, removable partial dentures, overdentures, superstructures of dental implants, and orthodontic or maxillofacial prostheses including obturators.

Keel en

**prEN ISO 15197**

Identne prEN ISO 15197:2011

ja identne ISO/DIS 15197:2011

Tähtaeg 30.05.2011

**In vitro laboriklaasil diagnoosimise süsteemid. Nõuded diabeedikute enesetestimise veresuhkru jälgimise süsteemile (ISO/DIS 15197:2011)**

This International Standard specifies requirements for in vitro glucose monitoring systems that measure glucose concentrations in capillary blood samples and procedures for the verification and the validation of performance by the intended users. These systems are intended for self-measurement by lay persons for management of diabetes mellitus. This International Standard is applicable to manufacturers of such systems and those other organizations (e.g. regulatory authorities and conformity assessment bodies) having the responsibility for assessing the performance of these systems. This International Standard does not - provide a comprehensive evaluation of all possible factors that could affect the performance of these systems, - pertain to glucose concentration measurement for the purpose of diagnosing diabetes mellitus, - address the medical aspects of diabetes mellitus management, - apply to measurement procedures with results on an ordinal scale (e.g. visual, semi-quantitative measurement procedures), or - apply to hospitalized patients on tight glycaemic control protocols, patients in critical care, or for evaluation of neonatal hypoglycaemia.

Keel en

Asendab EVS-EN ISO 15197:2003

**prEN ISO 21563**

Identne prEN ISO 21563:2011

ja identne ISO/DIS 21563:2011

Tähtaeg 30.05.2011

**Dentistry - Hydrocolloid impression materials (ISO/DIS 21563:2011)**

This ISO standard specifies the requirements and tests for helping determine whether the elastic aqueous agar and alginate hydrocolloid dental impression materials, as prepared for retail marketing, are of the quality needed for their intended purposes.

Keel en

## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**CEN/TR 15642:2011**

Hind 15,53

Identne CEN/TR 15642:2011

**Unified tests procedures for the tests of EN 3-7:2004+A1:2007**

This Technical Report specifies the tests procedures for some of the tests required by EN 3- 7:2004+A1:2007; it does not cover all the EN 3-7:2004+A1:2007 tests but only the tests requiring more precision in their execution. These Unified Tests Procedures are in force for all laboratories performing EN 3-7:2004+A1:2007 tests. Those laboratories should be accredited to EN ISO/IEC 17025 for EN 3-7:2004+A1:2007 tests and their accreditation shall be done by an Accreditation Body, member of the European Accreditation. This document should be included in the list of applicable documents.

Keel en

Asendab CEN/TR 15642:2008

**EVS-EN 2826:2011**

Hind 6,71

Identne EN 2826:2011

**Aerospace series - Burning behaviour of non metallic materials under the influence of radiating heat and flames - Determination of gas components in the smoke**

This European Standard defines a test method to determine the concentration of certain gas components due to pyrolitic decomposition of solid materials and composite materials under the influence of radiant heat only or with simultaneous flame application.

Keel en

**EVS-EN 15975-1:2011**

Hind 9,91

Identne EN 15975-1:2011

**Security of drinking water supply - Guidelines for risk and crisis management - Part 1: Crisis management**

This European Standard describes good practice principles of drinking water supply management in the event of a crisis, including preparatory and follow-up measures.

Keel en

**EVS-EN 50518-3:2011**

Hind 6,71

Identne EN 50518-3:2011

**Monitoring and alarm receiving centre - Part 3: Procedures and requirements for operation**

This part of EN 50518 specifies the minimum procedures and requirements for the operation of an ARC.

Keel en

**EVS-EN 50543:2011**

Hind 7,93

Identne EN 50543:2011

**Electronic portable and transportable apparatus designed to detect and measure carbon dioxide and/or carbon monoxide in indoor ambient air - Requirements and test methods**

This European Standard specifies requirements for the construction, testing and performance of electronic portable and transportable apparatus for the detection and measurement of carbon dioxide (CO2) and/or carbon monoxide (CO) in indoor ambient air, which includes air entering mechanical ventilation systems in domestic residential, commercial and industrial premises and public buildings. This European Standard includes indoor air quality apparatus with CO and CO2 measuring capabilities. This European Standard excludes: - apparatus used in workplace atmospheres for the direct detection and direct concentration measurement of toxic gases and vapours (i.e. conforming to EN 45544 series); - electronic portable combustion gas analysers (i.e. conforming to EN 50379 series); - apparatus for the detection of carbon monoxide in domestic premises (i.e. conforming to EN 50291 series).

Keel en

**EVS-EN 60204-33:2011**

Hind 22,75

Identne EN 60204-33:2011

ja identne IEC 60204-33:2009

**Masinate ohutus. Masinate elektriseadmed. Osa 33: Nõuded pooljuhtide tootmise seadmetele**

This part of IEC 60204 applies to electrical and electronic equipment associated with semiconductor fabrication equipment for the manufacture, measurement, assembly, and test of semiconductors.

Keel en

**EVS-EN 60335-2-9:2003/A13:2010/AC:2011**

Hind 0

Identne EN 60335-2-9:2003/A13:2010/AC:2011

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-9: Erinõuded rösteritele, grillidele ja muudele taolistele seadmetele**

Keel en

**EVS-EN ISO 5667-23:2011**

Hind 12,02

Identne EN ISO 5667-23:2011

ja identne ISO 5667-23:2011

**Water quality - Sampling - Part 23: Guidance on passive sampling in surface waters (ISO 5667-23:2011)**

This part of ISO 5667 specifies procedures for the determination of time-weighted average concentrations and equilibrium concentrations of the free dissolved fraction of organic and organometallic compounds and inorganic substances, including metals, in surface water by passive sampling, followed by analysis.

Keel en

**EVS-EN ISO 22868:2011**

Hind 14,64

Identne EN ISO 22868:2011

ja identne ISO 22868:2011

**Metsandusmasinad. Käeskantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2) (ISO 22868:2011)**

This International Standard specifies a noise test code for determining, efficiently and under standardized conditions, the noise emission characteristics of portable, hand-held, combustion-engine-powered forest and garden machines, including chain-saws, brush-cutters, grass-trimmers, pole-mounted powered pruners, hedge-trimmers and garden blowers/vacuums. Noise emission characteristics include the A-weighted emission sound pressure level at the operator position and the A-weighted sound power level.

Keel en

Asendab EVS-EN ISO 22868:2008

**EVS-HD 60364-5-52:2011**

Hind 21,47

Identne HD 60364-5-52:2011

ja identne IEC 60364-5-52:2009+corr:2011

**Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems**

Part 5-52 of IEC 60364 deals with the selection and erection of wiring systems.

Keel en

Asendab EVS-HD 384.5.52 S1:2003; EVS-HD 384.5.523 S2:2003

**EVS 812-8:2011**

Hind 15,53

**Ehitiste tuleohutus. Osa 8: Kõrghoonete tuleohutus**

Standard käsitleb kõrghoonete tuleohutust, välja arvatud aatriumruumidega hooned.

Keel et

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**CEN/TR 15642:2008**

Identne CEN/TR 15642:2008

**Unified tests procedures for the tests of EN 3-7**

This procedure is applicable to:2.1 The powder extinguishers for testing, before the 24 h storage period at 20° C ± 5 °C prior to the following tests:- the duration of operation tests;- the control valve tests;- the fire performance tests.2.2 The water based extinguishers for testing, before the 24 h storage period at 20 °C ± 5 °C prior to:- the duration of operation tests.

Keel en

Asendatud CEN/TR 15642:2011

**EVS-EN 61958:2002**

Identne EN 61958:2001

ja identne IEC 61958:2000

**High-voltage prefabricated switchgear and controlgear assemblies - Voltage presence indicating systems**

This International Standard IEC 61958 is applicable to voltage presence indicating systems (VPIS) incorporated in a.c. switchgear and controlgear covered by IEC 60298 or IEC 60466. Voltage presence indicating systems are devices used to provide information to operators about the voltage condition of the main circuit of the switchgear in which they are installed. The indication of VPIS alone is not sufficient to prove that the system is dead: if operating procedures make it mandatory, relevant voltage detectors according to IEC 61243 shall be used. This standard is also applicable to phase comparators specifically designed for use with VPIS.

Keel en

Asendatud EVS-EN 62271-206:2011

**EVS-EN ISO 22868:2008**

Identne EN ISO 22868:2008

ja identne ISO 22868:2005

**Metsandusmasinad. Käeskantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2)**

Käesolev rahvusvaheline standard kirjeldab detailselt mürakatsete eeskirja, mille abil on võimalik efektiivselt ja standardiseeritud tingimustel määrata kindlaks käeskantavate sisepõlemismootoriga metsamasinate (n. kettsaed, võsalõikurid ja rohutrimmerid) müraemissiooni väärtused. Müraemissiooni omaduste hulka kuuluvad A-kaalutud helirõhu taseme emissioon operaatori töökohal ja A-kaalutud helivõimsuse tase. Eeskirja kasutatakse nii tootja toodangu kontrollimiseks kui ka tüüpkatsetuste käigus. Saadud tulemusi on võimalik kasutada erinevate masinate või sama tooteseeria masinate võrdlemiseks. Kuigi müraemissiooni väärtused on mõõdetud simuleeritud töörežiimide käigus, on need müraemissiooni tüüpilisteks näideteks tegelikes töörežiimides.

Keel en

Asendab EVS-EN ISO 22868:2006

Asendatud EVS-EN ISO 22868:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 13861**

Identne FprEN 13861:2011

Tähtaeg 30.05.2011

**Safety of machinery - Guidance for the application of ergonomics standards in the design of machinery**

This European Standard provides a methodology to achieve a coherent application of various ergonomics standards for the design of machinery. This standard presents a step model calling upon specific standards. To this end, Annex A shows a reference table with relation between hazards as described in EN ISO 12100:2010 and applicable B-standards related to ergonomics. This European Standard can only be used in combination with other relevant ergonomics standards. This European Standard provides guidance where no relevant or suitable ergonomics clauses in C-type standards are available. This European Standard may also be used for incorporating ergonomics in the drafting of C type standards.

Keel en

Asendab EVS-EN 13861:2003

**FprEN 60734**

Identne FprEN 60734:2011

ja identne IEC 60734:201X

Tähtaeg 30.05.2011

**Household electrical appliances - Performance - Hard water for testing**

This International Standard describes the preparation of three types of water of different hardness, conductivity and alkalinity intended to be used for testing the performance of household appliances such as washing machines, dishwashers, dryers, steam irons etc. It defines the characteristics of these waters and establishes various methods to be used for obtaining them. It also includes specifications for required measurements.

Keel en

**FprEN 62575-2**

Identne FprEN 62575-2:2011

ja identne IEC 62575-2:201X

Tähtaeg 30.05.2011

**Radio frequency (RF) bulk acoustic wave (BAW) filters of assessed quality - Part 2: Guide to the use**

RF BAW filters are now widely used in mobile communications. While the RF BAW filters have various specifications, many of them can be classified within a few fundamental categories. This part of IEC 62575 includes various kinds of filter configuration, of which the operating frequency range is from approximately 500 MHz to 10 GHz and the relative bandwidth is about 1 % to 5 % of the centre frequency. It is not the aim of this standard to explain theory, nor to attempt to cover all the eventualities which may arise in practical circumstances. This standard draws attention to some of the more fundamental questions, which should be considered by the user before he places an order for an RF BAW filter for a new application. Such a procedure will be the user's insurance against unsatisfactory performance. Standard specifications, given in IEC 62575, and national specifications or detail specifications issued by manufacturers, define the available combinations of nominal frequency, pass bandwidth, ripple, shape factor, terminating impedance, etc. These specifications are compiled to include a wide range of RF BAW filters with standardized performances. It cannot be over-emphasized that the user should, wherever possible, select his RF BAW filters from these specifications, when available, even if it may lead to making small modifications to his circuit to enable standard filters to be used. This applies particularly to the selection of the nominal frequency.

Keel en

**prEN 54-5**

Identne prEN 54-5 rev:2011

Tähtaeg 30.05.2011

**Automaatne tulekahjusignalisatsioonisüsteem. Osa 5: Soojusandurid. Punktandurid**

This European Standard specifies the requirements, test methods and performance criteria for point heat detectors for use in fire detection and fire alarm systems for buildings (see EN 54-1:1996). For other types of heat detector, or for detectors intended for use in other environments, this standard should only be used for guidance. Heat detectors with special characteristics and developed for specific risks are not covered by this standard.

Keel en

Asendab EVS-EN 54-5:2001; EVS-EN 54-5:2001/A1:2002

**prEN 54-7**

Identne prEN 54-7 rev:2011

Tähtaeg 30.05.2011

**Automaatne tulekahjusignalisatsioonisüsteem. Osa 7: Suitsuandurid. Hajutatud valgust, valgusedastust või ionisatsiooni kasutavad punktandurid**

This European Standard specifies requirements, test methods and performance criteria for point smoke detectors that operate using scattered light, transmitted light or ionization, for use in fire detection and fire alarm systems for buildings (see EN 54-1:1996). This European Standard includes point smoke detectors that incorporate more than one smoke sensor operating on these principles, and additional requirements and test methods for such detectors are given in Annex N. For other types of smoke detector, or smoke detectors working on different principles, this standard should only be used for guidance. Smoke detectors with special characteristics and developed for specific risks are not covered by this standard.

Keel en

Asendab EVS-EN 54-7:2001; EVS-EN 54-7:2001/A1:2002; EVS-EN 54-7:2001/A2:2006

**prEN 54-22**

Identne prEN 54-22:2011

Tähtaeg 30.05.2011

**Fire detection and fire alarm system - Part 22 : Resettable line type heat detectors**

This European Standard applies to Resettable Line type Heat Detectors consisting of a sensing element using an optical fibre, a pneumatic tube or an electrical sensor cable connected to a sensor control unit, either directly or through an interface module to a control and indicating equipment intended for use in fire detection and fire alarm systems installed in and around buildings and civil engineering works. This European Standard specifies the requirements and performance criteria, the corresponding test methods and the evaluation of conformity of the product to the standard. This European Standard also covers Resettable Line type Heat Detectors intended for use in the local protection of plant and equipment. Resettable Line type Heat Detectors with special characteristics and developed for specific risks are not covered by this standard. This European Standard does not cover line-type heat detectors that are based on non-resettable, fixed temperature electrical cables (so called “digital” systems).

Keel en

**prEN 54-28**

Identne prEN 54-28:2011

Tähtaeg 30.05.2011

**Fire detection and fire alarm system - Part 28: Non-resettable line type heat detectors**

This European Standard applies to non-resettable (digital) line type heat detectors consisting of a sensing element using an electrical sensor cable connected to a sensor control unit, either directly or through an interface module to a control and indicating equipment intended for use in fire detection and fire alarm systems installed in and around buildings and civil engineering works. The non-resettable sensing element has a fixed temperature alarm threshold and does not distinguish between short circuit and alarm condition. This European Standard also covers non-resettable line type heat detectors intended for use in the local protection of plant and equipment. Non-resettable line type heat detectors with special characteristics and developed for specific risks are not covered by this standard. This European Standard specifies the requirements and performance criteria, the corresponding test methods and the evaluation of conformity of the product to the standard.

Keel en

**prEN 469**

Identne prEN 469 rev:2011

Tähtaeg 30.05.2011

**Protective clothing for firefighters - Requirements and test methods for protective clothing for firefighting**

This European Standard specifies minimum levels of performance requirements for protective clothing to be worn during firefighting operations, except protective clothing that is worn during fighting wildland fires (EN 15614) or bulk fires (EN 1486). The described clothing is not meant to protect against chemical and/or gas exposures. This European Standard covers the general clothing design, the minimum performance levels of the materials used, the methods of test to be used to determine these performance levels, and marking and information supplied by the manufacturer. The required performance levels may be achieved by the use of one or more garments. This European Standard covers the event of an accidental splash of chemical or flammable liquids but does not cover special clothing for use in other high-risk situations e.g. reflective protective clothing. It does not cover protection for the head, hands and feet or protection against other hazards e.g. chemical, biological, radiological and electrical hazards. These aspects may be covered in other European Standards.

Keel en

Asendab EVS-EN 469:2006; EVS-EN 469:2006/A1:2006

**prEN 12619**

Identne prEN 12619:2011

Tähtaeg 30.05.2011

**Stationary source emissions - Determination of the mass concentration of total gaseous organic carbon - Continuous flame ionisation detector method**

The method specified in this European Standard is designed for use as a standard reference method. This European Standard specifies a set of minimum performance requirements for an instrument using flame ionization detection, together with procedures for its calibration and operation, for the measurement of the mass concentration of total gaseous organic carbon (TOC) and for solvent emissions total volatile organic compounds (TVOC) in stationary source emissions. This European Standard is suitable for the measurement of gaseous or vapour phase TOC and TVOC emissions such as emissions from waste incinerators and solvent using processes. The results obtained using this standard, are expressed in milligrams per cubic metre as total carbon (mg/m³). This standard is suitable for use in the range 1 mg/m³ up to at least 1000 mg/m³. This European Standard is not applicable for permanently installed AMS. For permanently installed AMS refer to EN 15267-3.

Keel en

Asendab EVS-EN 12619:2000; EVS-EN 13526:2002

**prEN 13237**

Identne prEN 13237:2011

Tähtaeg 30.05.2011

**Plahvatusohtlikud keskkonnad. Plahvatusohtlikus keskkonnas kasutamiseks mõeldud seadmete ja kaitsesüsteemide mõisted ja määratlused**

This European Standard specifies terms and definitions (vocabulary) to be used in suitable standards dealing with equipment and protective systems intended for use in potentially explosive atmospheres.

Keel en

Asendab EVS-EN 13237:2003

**prEN 14116**

Identne prEN 14116:2011

Tähtaeg 30.05.2011

**Tanks for transport of dangerous goods - Digital interface for the product recognition device**

This European Standard covers the digital interface at the product loading and/or discharge coupling which is used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices. This European Standard specifies a digital interface which is suitable for use with liquid fuels.

Keel en

Asendab EVS-EN 14116:2007+A2:2010

**prEN 16249**

Identne prEN 16249:2011

Tähtaeg 30.05.2011

**Tanks for the transport of dangerous goods - Service equipment - Cap for the adaptor for bottom loading and unloading**

This European Standard is applicable to the protective cap used to provide protection and end closing for the adaptor for bottom loading and unloading and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road – (flammable liquids) which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no-sub-classification as toxic or corrosive.

Keel en

**prEN 16250-1**

Identne prEN 16250-1:2011

Tähtaeg 30.05.2011

**Levels of performance and acceptance for street cleaning and municipal waste management services - Part 1: General requirements**

The standard lists the general requirements to define levels of performance and acceptance for street cleaning and waste management services and to take into account to draw up and to operate service contracts for a better result in terms of qualitative and quantitative performances definition and survey, clearing agreements in case of deviations, economic optimisation, environmental sustainability and pollution prevention. When the client isn't a public administration but a private customer, purchasing street cleaning and/or municipal waste management services directly from the service provider, the standard is applicable, when appropriate; in this case the term "Administration" includes also these private customers. This document is intended for public authorities and other bodies (or actors) requiring street cleaning and/or waste management services as well as for public and private waste management companies offering services of street cleaning and/or of waste and recycling logistics.

Keel en

**prEN 16252**

Identne prEN 16252:2011

Tähtaeg 30.05.2011

**Machines for compacting waste materials or recyclable fractions - Horizontal baling presses - Safety requirements**

This standard specifies the safety requirements for the design, manufacture and information for safe use of horizontal baling presses for compacting waste material or recyclable fractions (e.g. paper, plastics, textiles, cans, cardboard, mixed waste), hereafter referred to as materials. It covers only machines fed by conveyors or by feed hoppers where the bales are bound manually or automatically. The feed hoppers covered by this standard are only fed mechanically or by hand. The scope of this standard includes any mechanical feed equipment, such as belt type loading and feed conveyors or bin lifts, forming an integral part of the baling press assembly. However, pneumatic conveying systems are outside the scope of this standard. The standard does not apply to cranes, lift trucks or other mobile plant used to load materials into the feed hopper. Nor does it apply to hazards arising from loading the feed hopper using cranes, lift trucks or other mobile plant. This standard does not apply to pre-conditioning equipment connected at the inlet side of the feed hopper (e.g. sorter, shredder, stand-alone perforator) nor to equipment at the outlet side of the baling press. It does not deal with suction and dedusting mechanisms. It does not apply to hazards arising from the materials being processed (e.g. asbestos, clinical waste,aerosol containers). All hazards mentioned in clause 4 are dealt with in this standard.

Keel en

**prEN 16253**

Identne prEN 16253:2011

Tähtaeg 30.05.2011

**Air quality - Atmospheric measurements near ground with Differential Optical Absorption Spectroscopy (DOAS) - Ambient air and diffuse emission measurements**

This document describes the operation of active DOAS measuring systems with continuous radiation source, the calibration procedures and applications in determining gaseous constituents (e.g., NO2, SO2, O3, BTX, Hg) in ambient air or in diffuse emissions.

Keel en

**prEN 50132-7**

Identne prEN 50132-7:2011

Tähtaeg 30.05.2011

**Alarm system - CCTV surveillance systems for use in security applications - Part 7: Application guidelines**

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

Keel en

Asendab EVS-EN 50132-7:2002

**prEN ISO 5659-2**

Identne prEN ISO 5659-2:2011

ja identne ISO/DIS 5659-2:2011

Tähtaeg 30.05.2011

**Plastid. Suitsu teke. Osa 2: Optilise tiheduse määramine ühe kambri katselt (ISO/DIS 5659-2:2011)**

1.1 This part of ISO 5659 specifies a method of measuring smoke production from the exposed surface of specimens of essentially flat materials, composites or assemblies not exceeding 25 mm in thickness when placed in a horizontal orientation and subjected to specified levels of thermal irradiance in a closed cabinet with or without the application of a pilot flame. This method of test is applicable to all plastics and may also be used for the evaluation of other materials (e.g. rubbers, textile-coverings, painted surfaces, wood and other materials). 1.2 It is intended that the values of optical density determined by this test be taken as specific to the specimen or assembly material in the form and thickness tested, and are not to be considered inherent, fundamental properties. 1.3 The test is intended primarily for use in research and development and fire safety engineering in buildings, trains, ships, etc. and not as a basis for ratings for building codes or other purposes. No basis is provided for predicting the density of smoke that may be generated by the materials upon exposure to heat and flame under other (actual) exposure conditions. This test procedure excludes the effect of irritants on the eye. 1.4 It is emphasized that smoke production from a material varies according to the irradiance level to which the specimen is exposed. In making use of the results of this method, it should be borne in mind that the results are based on exposure to the specific irradiance levels of 25 kW/m2 and 50 kW/m2.

Keel en

Asendab EVS-EN ISO 5659-2:2007

## 17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 61966-12-1:2011**

Hind 14

Identne EN 61966-12-1:2011

ja identne IEC 61966-12-1:2011

**Multimedia systems and equipment - Colour measurement and management - Part 12-1: Metadata for identification of colour gamut (Gamut ID)**

This part of IEC 61966 defines the colour gamut metadata scheme for video systems and similar applications. The metadata can be associated with wide gamut video colour content or to a piece of equipment to display the content. When associated with content, the colour gamut metadata defines the gamut for which the content was created. It can be used by the display for controlled colour reproduction even if the display's colour gamut is different from that of the content. When associated with a display, the colour gamut metadata defines the display colour gamut. It can be used during content creation to enable improved colour reproduction. The colour gamut metadata may cover associated colour encoding information, which includes all information required for a controlled colour reproduction, when such information is not provided by the colour encoding specification. The colour gamut metadata scheme provides scalable solutions. For example, more flexible solutions will be used for the professional use, while much simpler solutions will be used for consumer use with easier product implementation. This part of IEC 61966 only defines the colour gamut metadata scheme. Vendor-specific solutions for creation and end-use of this metadata are allowed.

Keel en

**EVS-EN 62489-2:2011**

Hind 8,63

Identne EN 62489-2:2011

ja identne IEC 62489-2:2011

**Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 2: Methods of calculating and measuring the low-frequency magnetic field emissions from the loop for assessing conformity with guidelines on limits for human exposure**

This part of IEC 62489 applies to audio-frequency induction-loop systems for assisted hearing. It may also be applied to such systems used for other purposes, as far as it is applicable. The standard is intended for assessment of human exposure to low-frequency magnetic fields produced by the system, by calculation and by in-situ testing. This standard does not deal with other aspects of safety, for which IEC 60065 applies, or with EMC.

Keel en

**EVS-EN 62562:2011**

Hind 9,27

Identne EN 62562:2011

ja identne IEC 62562:2010

**Cavity resonator method to measure the complex permittivity of low-loss dielectric plates**

The object of this International Standard is to describe a measurement method of dielectric properties in the planar direction of dielectric plate at microwave frequency. This method is called a cavity resonator method. It has been created in order to develop new materials and to design microwave active and passive devices for which standardization of measurement methods of material properties is more and more important. This method has the following characteristics: - the relative permittivity ε' and loss tangent tan δ values of a dielectric plate sample can be measured accurately and non-destructively; - temperature dependence of complex permittivity can be measured; - the measurement accuracy is within 0,3 % for ε' and within 5x10–6 for tan δ; - fringing effect is corrected using correction charts calculated on the basis of rigorous analysis.

Keel en

**EVS-EN ISO 3381:2011**

Hind 11,38

Identne EN ISO 3381:2011

ja identne ISO 3381:2005

**Raudteealased rakendused. Akustika. Raudteeveeremi sisemüra mõõtmine (ISO 3381:2005)**

This European Standard specifies the conditions for obtaining reproducible and comparable measurement results of levels and spectra of noise inside all kinds of vehicles on rails or other types of fixed track, hereinafter conventionally called "train", except for track maintenance vehicles in operation. This standard is applicable for: - type testing; - periodic monitoring testing. The results may be used, for example: - to characterise the noise inside these vehicles; - to compare the internal noise of various vehicles on a particular track section. The test procedures specified in this European Standard are of engineering grade (grade 2, with a precision of ± 2 dB), that is the preferred one for noise declaration purposes, as defined in EN ISO 12001. The standard describes tests during different operating conditions, i.e. driving, accelerating, decelerating and standstill. The chosen operating conditions are decided by the relevant authority or the train owner/operator. It is not mandatory to perform tests at all conditions. Infrasound and messages intelligibility are not treated in this standard. The procedures specified for accelerating and decelerating tests are of survey grade.

Keel en

Asendab EVS-EN ISO 3381:2007

**EVS-EN ISO 4787:2011**

Hind 11,38

Identne EN ISO 4787:2011

ja identne ISO 4787:2010

**Laboratory glassware - Volumetric instruments - Methods for testing of capacity and for use (ISO 4787:2010, Corrected version 2010-06-15)**

This International Standard provides methods for the testing, calibration and use of volumetric instruments made from glass in order to obtain the best accuracy in use. NOTE Testing is the process by which the conformity of the individual volumetric instrument with the appropriate standard is determined, culminating in the determination of its error of measurement at one or more points. The International Standards for the individual volumetric instruments include clauses on the definition of capacity; these clauses describe the method of manipulation in sufficient detail to define the capacity without ambiguity. This International Standard contains supplementary information. The procedures are applicable to volumetric instruments with nominal capacities in the range of 0,1 ml to 10 000 ml. These include: single-volume pipettes (see ISO 648) without subdivisions; graduated measuring pipettes and dilution pipettes, with partial or complete subdivisions (see ISO 835); burettes (see ISO 385); volumetric flasks (see ISO 1042); and graduated measuring cylinders (see ISO 4788). The procedures are not recommended for testing of volumetric instruments with capacities below 0,1 ml such as micro-glassware. This International Standard does not deal specifically with pyknometers as specified in ISO 3507. However, the procedures specified below for the determination of volume of glassware can, for the most part, also be followed for the calibration of pyknometers.

Keel en

Asendab EVS-EN ISO 4787:2010; EVS-ISO 4787:2007

**EVS-EN ISO 22868:2011**

Hind 14,64

Identne EN ISO 22868:2011

ja identne ISO 22868:2011

**Metsandusmasinad. Käeskantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2) (ISO 22868:2011)**

This International Standard specifies a noise test code for determining, efficiently and under standardized conditions, the noise emission characteristics of portable, hand-held, combustion-engine-powered forest and garden machines, including chain-saws, brush-cutters, grass-trimmers, pole-mounted powered pruners, hedge-trimmers and garden blowers/vacuums. Noise emission characteristics include the A-weighted emission sound pressure level at the operator position and the A-weighted sound power level.

Keel en

Asendab EVS-EN ISO 22868:2008

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 60268-7:2003**

Identne EN 60268-7:1996

ja identne IEC 60268-7:1996

**Sound system equipment - Part 7: Headphones and earphones**

This part of IEC 268 applies to headphones, headsets, earphones and earsets, intended to be used on, or in, the human ear. It also applies to equipment, such as pre-amplifiers, passive networks and power supplies which form an integral part of the headphone system.

Keel en

Asendatud EVS-EN 60268-7:2011

**EVS-EN 61746:2005**

Identne EN 61746:2005

ja identne IEC 61746:2005

**Calibration of optical time-domain reflectometers (OTDR)**

Provides procedures for calibrating single-mode optical time domain reflectometers (OTDR). It only covers OTDR measurement errors and uncertainties. This standard does not cover correction of the OTDR response.

Keel en

Asendab EVS-EN 61746:2003

Asendatud EVS-EN 61746-1:2011; EVS-EN 61746-2:2011

**EVS-EN ISO 3381:2007**

Identne EN ISO 3381:2005

ja identne ISO 3381:2005

**Raudteealased rakendused. Akustika. Raudteeveeremi sisemüra mõõtmine**

Standard määratleb tingimused igasuguste raudteerööbastel või muud tüüpi fikseeritud rööbasteedel liikuvate veeremite sees, edaspidi tavapäraselt nimetatud “rongi”, välja arvatud rööbasteed hooldav veerem, müratasemete ja -spektri korduvteostatavate ja võrreldavate mõõtmistulemuste saamiseks.

Keel et

Asendatud EVS-EN ISO 3381:2011

**EVS-EN ISO 4787:2010**

Identne EN ISO 4787:2010

ja identne ISO 4787:2010

**Laboratory glassware - Volumetric instruments - Methods for testing of capacity and for use**

This International Standard provides methods for the testing, calibration and use of volumetric instruments made from glass in order to obtain the best accuracy in use. NOTE Testing is the process by which the conformity of the individual volumetric instrument with the appropriate standard is determined, culminating in the determination of its error of measurement at one or more points. The International Standards for the individual volumetric instruments include clauses on the definition of capacity; these clauses describe the method of manipulation in sufficient detail to define the capacity without ambiguity. This International Standard contains supplementary information. The procedures are applicable to volumetric instruments with nominal capacities in the range of 0,1 ml to 10 000 ml. These include: single-volume pipettes (see ISO 648) without subdivisions; graduated measuring pipettes and dilution pipettes, with partial or complete subdivisions (see ISO 835); burettes (see ISO 385); volumetric flasks (see ISO 1042); and graduated measuring cylinders (see ISO 4788). The procedures are not recommended for testing of volumetric instruments with capacities below 0,1 ml such as micro-glassware. This International Standard does not deal specifically with pyknometers as specified in ISO 3507. However, the procedures specified below for the determination of volume of glassware can, for the most part, also be followed for the calibration of pyknometers.

Keel en

Asendatud EVS-EN ISO 4787:2011

**EVS-EN ISO 22868:2008**

Identne EN ISO 22868:2008

ja identne ISO 22868:2005

**Metsandusmasinad. Käeskantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2)**

Käesolev rahvusvaheline standard kirjeldab detailselt mürakatsete eeskirja, mille abil on võimalik efektiivselt ja standardiseeritud tingimustel määrata kindlaks käeskantavate sisepõlemismootoriga metsamasinate (n. kettsaed, võsalõikurid ja rohutrimmerid) müraemissiooni väärtused. Müraemissiooni omaduste hulka kuuluvad A-kaalutud helirõhu taseme emissioon operaatori töökohal ja A-kaalutud helivõimsuse tase. Eeskirja kasutatakse nii tootja toodangu kontrollimiseks kui ka tüüpkatsetuste käigus. Saadud tulemusi on võimalik kasutada erinevate masinate või sama tooteseeria masinate võrdlemiseks. Kuigi müraemissiooni väärtused on mõõdetud simuleeritud töörežiimide käigus, on need müraemissiooni tüüpilisteks näideteks tegelikes töörežiimides.

Keel en

Asendab EVS-EN ISO 22868:2006

Asendatud EVS-EN ISO 22868:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**EN 50400:2006/FprAA**

Identne EN 50400:2006/FprAA:2011

Tähtaeg 30.05.2011

**Basic standard to demonstrate the compliance of fixed equipment for radio transmission (110 MHz - 40 GHz) intended for use in wireless telecommunication networks with the basic restrictions or the reference levels related to general public exposure to radio frequency electromagnetic fields, when put into service**

This basic standard applies to Base Stations as defined in Clause 4, operating in the frequency range 110 MHz to 40 GHz.

Keel en

**EN 50401:2006/FprAA**

Identne EN 50401:2006/FprAA:2011

Tähtaeg 30.05.2011

**Tootestandard raadiosidevõrkude jaoks ettenähtud kohtkindlate raadiosaateseadmete (110 MHz – 40 GHz) vastavuse tõendamiseks raadiosageduslike elektromagnetväljade elanikukiirituse alaste põhipiirangutega või baastasemetega nende seadmete kasutuselevõtul**

This product standard applies to base stations as defined in Clause 3, operating in the frequency range 110 MHz to 40 GHz. The objective of the standard is to verify that such product complies with the basic restrictions directly or via compliance with reference levels related to the general public exposure to radio frequency electromagnetic fields in the frequency range 100 kHz to 40 GHz, where the general public has access and when it is put into service in its operational environment.

Keel en

**FprEN 60704-2-6**

Identne FprEN 60704-2-6:2011

ja identne IEC 60704-2-6:201X

Tähtaeg 30.05.2011

**Kodumajapidamises ja sarnastes oludes kasutatavad elektriseadmed. Katsenormid õhumüra määramiseks. Osa 2-6: Erinõuded trummelkuivatitele**

This particular requirements apply to single unit electric tumble dryers for household and similar use intended for placing on the floor against a wall, for building-in or placing under a counter, a kitchen worktop or under a sink, for wall-mounting or on a counter. For the purpose of this standard, washer-dryer combinations, when operated as a dryer, are considered as a tumble dryer.

Keel en

Asendab EVS-EN 60704-2-6:2004

**FprEN 62623**

Identne FprEN 62623:2011

ja identne IEC 62623:201X

Tähtaeg 30.05.2011

**Measuring the energy consumption of desktop and notebook computers**

This standard covers personal computing products; the scope of this edition is desktop and notebook computers as defined in 4.1 that are marketed as final products and that are hereafter referred to as the equipment under test (EUT) or product. This standard specifies: - A test procedure to enable the measurement of the power and/or energy consumption in each of the EUT's power modes. - Formulas for calculating the Typical Energy Consumption (TEC) for a given period - (normally annual). - A majority profile that should be used with this standard which enables conversion of average power into energy within the TEC formulas. - A system of categorisation enabling like for like comparisons of energy consumption between EUTs. - A pre-defined format for the presentation of results. This standard does not set any pass/fail criteria for the EUTs. Users of the test results should define such criteria.

Keel en

## 19 KATSETAMINE

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 60068-2-5:2011**

Hind 9,91

Identne EN 60068-2-5:2011

ja identne IEC 60068-2-5:2010+cor: 2010

**Environmental testing - Part 2-5: Tests - Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing**

This part of IEC 60068 provides guidance for testing equipment or components under solar radiation conditions. The purpose of testing is to investigate to what extent the equipment or components are affected by solar radiation. The method of combined tests detects electrical, mechanical or other physical variations.

Keel en

Asendab EVS-EN 60068-2-5:2003; EVS-EN 60068-2-9:2002

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 60068-2-5:2003**

Identne EN 60068-2-5:1999

ja identne IEC 60068-2-5:1975

**Basic environmental testing procedures - Part 2: Tests - Test Sa: Simulated solar radiation at ground level**

The object of this test is to determine the effects (thermal, mechanical, chemical, electrical, etc.) produced on equipment and components as a result of exposure to solar radiation under the conditions experienced at the surface of the earth.

Keel en

Asendatud EVS-EN 60068-2-5:2011

**EVS-EN 60068-2-9:2002**

Identne EN 60068-2-9:1999

ja identne IEC 60068-2-9:1975+A1:1984+Cor:1989

**Environmental testing - Part 2: Tests - Guidance for solar radiation testing**

The standard describes methods of simulation designed to examine the effect of solar radiation on equipment and components at the surface of the earth. To be used with Publication 68-2.5.

Keel en

Asendatud EVS-EN 60068-2-5:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 62638**

Identne FprEN 62638:2011

ja identne IEC 62638:201X

Tähtaeg 30.05.2011

**Recurrent test and test after repair and modification of electrical equipment**

This International Standard applies to - Testing the electrical safety of single phase and polyphase electrical equipment with rated voltage up to 1 000 V a.c. and 1 500 V d.c after REPAIR, MODIFICATION and - in the case of RECURRENT TEST - the requirements of the test procedures applied for the verification of the ELECTRICAL SAFETY - the permissible limits for compliance - mechanical parts of ELECTRICAL EQUIPMENT, which may impact on the ELECTRICAL SAFETY - ELECTRICAL EQUIPMENT, which has been placed again in circulation - electrical parts of the equipment, which cannot explicitly be named as ELECTRICAL EQUIPMENT (e.g. gas boiler)

Keel en

**prEN ISO 3059**

Identne prEN ISO 3059:2011

ja identne ISO/DIS 3059:2011

Tähtaeg 30.05.2011

**Non-destructive testing - Penetrant testing and magnetic particle testing - Viewing conditions (ISO/DIS 3059:2011)**

This International Standard describes the control of the viewing conditions for magnetic particle and penetrant testing. It includes minimum requirements for the illuminance and UV-A irradiance and their measurement. It is intended for use when the human eye is the primary detection aid. This International Standard does not cover the use of blue light sources.

Keel en

Asendab EVS-EN ISO 3059:2002

**prEN ISO 9712**

Identne prEN ISO 9712:2011

ja identne ISO/DIS 9712:2011

Tähtaeg 30.05.2011

**Mittepurustav katsetamine. NDT personali kvalifitseerimine ja sertifitseerimine. Põhialused (ISO/DIS 9712:2011)**

This International Standard establishes principles for the qualification and certification of personnel who perform industrial non-destructive testing (NDT). The system described in this International Standard can also apply to other NDT methods, or to new techniques within an established NDT method, provided a comprehensive scheme of certification exists and the method or technique is covered by International, European, regional or national standards, The certification covers proficiency in one or more of the following methods : a) acoustic emission testing; b) eddy current testing; c) infrared thermography testing; d) leak testing (hydraulic pressure tests excluded); e) magnetic testing (magnetic particle testing and flux leakage testing) ; f) penetrant testing; g) radiographic testing; h) strain testing i) ultrasonic testing; j) visual testing (direct unaided visual tests and visual tests carried out during the application of another NDT method are excluded). Certification to this International Standard provides an attestation of general competence of the NDT operator. It does not represent an authorization to operate, since this remains the responsibility of the employer, and the certified employee may require additional specialized knowledge of parameters such as equipment, NDT procedures, materials and products specific for the employer. Where required by regulatory requirements and codes, the authorization to operate shall be given in writing by the employer in accordance with a quality procedure that defines any employer required job -specific training and examinations designed to verify the certificate holder's knowledge of relevant industry code(s), standard(s), NDT procedures, equipment, and acceptance criteria for the tested products.

Keel en

Asendab EVS-EN 473:2008

## 21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

### UUED STANDARDID JA PUBLIKATSIOONID

**EVS-EN ISO 4014:2011**

Hind 9,27

Identne EN ISO 4014:2011

ja identne ISO 4014:2011

**Kuuskantpeapoldid. Tooteklassid A ja B (ISO 4014:2011)**

This International Standard specifies the characteristics of hexagon head bolts with threads from M1,6 up to and including M64, of product grade A for threads M1,6 to M24 and nominal lengths up to and including 10d or 150 mm, whichever is the shorter, and product grade B for threads over M24 or nominal lengths over 10d or 150 mm, whichever is the shorter. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 724, ISO 888, ISO 898-1, ISO 965-1, ISO 3506-1, ISO 4753 and ISO 4759-1.

Keel en

Asendab EVS-EN ISO 4014:2001

**EVS-EN ISO 4016:2011**

Hind 7,29

Identne EN ISO 4016:2011

ja identne ISO 4016:2011

**Kuuskantpeapoldid. Tooteklass C (ISO 4016:2011)**

This International Standard specifies the characteristics of hexagon head bolts with threads from M5 up to and including M64, of product grade C. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 724, ISO 888, ISO 898-1, ISO 965-1 and ISO 4759-1.

Keel en

Asendab EVS-EN ISO 4016:2001

**EVS-EN ISO 8765:2011**

Hind 7,93

Identne EN ISO 8765:2011

ja identne ISO 8765:2011

**Kuuskantpeapoldid meetersüsteemis peenkeermega. Tooteklassid A ja B (ISO 8765:2011)**

This International Standard specifies the characteristics of hexagon head bolts with metric fine pitch thread with nominal thread diameters, d, from 8 mm to 64 mm, of product grade A for nominal thread diameters, d, from 8 mm to 24 mm and nominal lengths, l, up to and including 10d or 150 mm, whichever is the shorter, and of product grade B for nominal thread diameters, d, over 24 mm or nominal lengths, l, over 10d or 150 mm, whichever is the shorter. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 724, ISO 888, ISO 898-1, ISO 965-1, ISO 3506-1, ISO 4753 and ISO 4759-1. It is intended that coarse thread bolts according to ISO 4014 be the first choice.

Keel en

Asendab EVS-EN ISO 8765:2001

### ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS-EN ISO 4014:2001**

Identne EN ISO 4014:2000

ja identne ISO 4014:1999

**Kuuskantpeapoldid. Tooteklassid A ja B**

Standard annab selliste kuuskantpeapoltide tehnilised andmed, mille keerme suurus on M1,6 - M64 (kaasa arvatud), mis on tooteklassist A keermega M1,6 - M24 ja nimipikkusega kuni 10 d või 150 mm (kaasa arvatud), kumb neist on lühem, ning tooteklassist B keermega üle M24 või nimipikkusega üle 10 d või 150 mm, kumb neist on lühem.

Keel en

Asendab EVS-EN 24014:1999

Asendatud EVS-EN ISO 4014:2011

**EVS-EN ISO 4016:2001**

Identne EN ISO 4016:2000

ja identne ISO 4016:1999

**Kuuskantpeapoldid. Tooteklass C**

Standard annab selliste kuuskantpeapoltide tehnilised andmed, mille keerme suurus on M5 - M64 (kaasa arvatud) ja mis on tooteklassist C.

Keel en

Asendab EVS-EN 24016:1999

Asendatud EVS-EN ISO 4016:2011

**EVS-EN ISO 8765:2001**

Identne EN ISO 8765:2000

ja identne ISO 8765:1999

**Kuuskantpeapoldid meetersüsteemis peenkeermega. Tooteklassid A ja B**

See rahvusvaheline standard annab selliste meetersüsteemis peenkeermega kuuskantpeapoltide tehnilised andmed, mille keerme nimiläbimõõt d on 8 - 64 mm, mis on tooteklassist A keerme nimiläbimõõduga d 8 - 24 mm ja nimipikkusega l kuni 10 d või 150 mm (kaasa arvatud), kumb neist on lühem, ning tooteklassist B keerme nimiläbimõõduga d üle 24 mm või nimipikkusega üle 10 d või 150 mm, kumb neist on lühem.

Keel en

Asendab EVS-EN 28765:1999

Asendatud EVS-EN ISO 8765:2011

## 23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 593:2009+A1:2011**

Hind 10,61

Identne EN 593:2009+A1:2011

**Tööstusventiilid. Pöördsulguriga metallist drosselklapid KONSOLIDEERITUD TEKST**

This European Standard specifies requirements for butterfly valves having metallic bodies for use in flanged or butt welding piping systems and used for isolating, regulating or control applications. The PN and Class ranges are: PN 2,5 ; PN 6 ; PN 10 ; PN 16 ; PN 25 ; PN 40 ; Class 150 ; Class 300. The DN range is: - DN 20 ; DN 25 ; DN 32 ; DN 40 ; DN 50 ; DN 65 ; DN 80 ; DN 100 ; DN 125 ; DN 150 ; DN 200 ; DN 250 ; DN 300 ; DN 350 ; DN 400 ; DN 450 ; DN 500 ; DN 600 ; DN 700 ; DN 750 ; DN 800 ; DN 900 ; DN 1000 ; DN 1200 ; DN 1400 ; DN 1600 ; DN 1800 ; DN 2000 ; DN 2200 ; DN 2400. DN 750 is used only for Class 150 and Class 300. For special application as industrial process control valves, see EN 1349 and EN 60534-2-1.

Keel en

Asendab EVS-EN 593:2009

**EVS-EN 1113:2008+A1:2011**

Hind 10,61

Identne EN 1113:2008+A1:2011

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

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

Keel en

Asendab EVS-EN 1113:2008

**EVS-EN 14276-1:2006+A1:2011**

Hind 20,13

Identne EN 14276-1:2006+A1:2011

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 1: Anumad. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary pressure vessels intended for use in refrigerating systems and heat pumps. These systems are referenced in this standard as refrigerating systems as defined in EN 378-1. This European Standard applies to vessels including welded or brazed attachments up to and including the nozzle flanges, screwed, welded or brazed connectors or to the edge to be welded or brazed at the first circumferential joint connecting piping or other elements. This European Standard applies to pressure vessels with an internal pressure down to – 1 bar, to account for the evacuation of the vessel prior to charging with refrigerant. This European Standard applies to both the mechanical loading conditions and thermal conditions as defined in EN 13445-3 associated with refrigerating systems. It applies to pressure vessels subject to the maximum allowable temperatures for which nominal design stresses for materials are derived using EN 13445-2 and EN 13445-3 or as specified in this standard. In addition vessels designed to this standard should have a maximum design temperature not exceeding 200 °C and a maximum design pressure not exceeding 64 bars. Outside of these limits, it is important that EN 13445 be used for the design, construction and inspection of the vessel. Under these circumstances it is important that the unique nature of refrigerating plant, as indicated in the introduction to this standard, also be taken into account.

Keel en

Asendab EVS-EN 14276-1:2006

**EVS-EN 14276-2:2007+A1:2011**

Hind 12,02

Identne EN 14276-2:2007+A1:2011

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 2: Torustikud. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary piping intended for use in refrigerating systems, heat pumps and secondary cooling and heating systems. These refrigerating systems and heat pump systems are referenced in this standard as refrigerating systems as defined in EN 378-1.

Keel en

Asendab EVS-EN 14276-2:2007

**EVS-EN ISO 22434:2011**

Hind 6,71

Identne EN ISO 22434:2011

ja identne ISO 22434:2006

**Transportable gas cylinders - Inspection and maintenance of cylinder valves (ISO 22434:2006)**

This International Standard specifies the requirements for the inspection and maintenance of cylinder valves, including valves with integrated pressure regulators (VIPR) (see ISO 22435). This International Standard may be applied to cylinder valves at the time of the periodic inspection of gas cylinders, bundles, drums and trailers, and at any other time, e.g. at change of gas service (see ISO 11621). It does not apply to routine inspection of cylinder valves carried out at the time of cylinder filling.

Keel en

## ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS-EN 593:2009**

Identne EN 593:2009

**Tööstusventiilid. Pöördsulguriga metallist drosselklapid**

This European Standard specifies requirements for butterfly valves having metallic bodies for use in flanged or butt welding piping systems and used for isolating, regulating or control applications. The PN and Class ranges are: PN 2,5; PN 6 ; PN 10 ; PN 16 ; PN 25 ; PN 40 ; Class 150 ; Class 300. The DN range is: DN 20 ; DN 25 ; DN 32 ; DN 40 ; DN 50 ; DN 65 ; DN 80 ; DN 100 ; DN 125 ; DN 150 ; DN 200 ; DN 250 ; DN 300 ; DN 350 ; DN 400 ; DN 450 ; DN 500 ; DN 600 ; DN 700 ; DN 750 ; DN 800 ; DN 900 ; DN 1000 ; DN 1200 ; DN 1400 ; DN 1600 ; DN 1800 ; DN 2000 ; DN 2200 ; DN 2400. DN 750 is used only for Class 150 and Class 300. For special application as industrial process control valves, see EN 1349 and EN 60534-2-1.

Keel en

Asendab EVS-EN 593:2004

Asendatud EVS-EN 593:2009+A1:2011

**EVS-EN 1113:2008**

Identne EN 1113:2008

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

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

Keel en

Asendab EVS-EN 1113:2000; EVS-EN 13905:2003

Asendatud EVS-EN 1113:2008+A1:2011

**EVS-EN 14276-1:2006**

Identne EN 14276-1:2006

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 1: Anumad. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary pressure vessels intended for use in refrigerating systems and heat pumps. These systems are referenced in this standard as refrigerating systems as defined in EN 378-1.

Keel en

Asendatud EVS-EN 14276-1:2006+A1:2011

**EVS-EN 14276-2:2007**

Identne EN 14276-2:2007

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 2: Torustikud. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary piping intended for use in refrigerating systems, heat pumps and secondary cooling and heating systems. These refrigerating systems and heat pump systems are referenced in this standard as refrigerating systems as defined in EN 378-1.

Keel en

Asendatud EVS-EN 14276-2:2007+A1:2011

## KAVANDITE ARVAMUSKÜSITLUS

**EN ISO 7751:1999/FprA1:2011**

Identne EN ISO 7751:1997/FprA1:2011

ja identne ISO 7751:1991/FDAM 1:2011)

Tähtaeg 30.05.2011

**Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to maximum working pressure - Amendment 1 (ISO 7751:1991/FDAM 1:2011)**

Käesolev standard määrab kindlaks proovisurve ja minimaalse purustava surve määrad eri kategooriasse kuuluvate voolikute töösurve kavandamiseks. Meetodid ja menetlused proovi ja purustustestide läbiviimiseks on kindlaks määratud standardis ISO 1402.

Keel en

**FprEN ISO 13229**

Identne FprEN ISO 13229:2011

ja identne ISO 13229:2010

Tähtaeg 30.05.2011

**Thermoplastics piping systems for non-pressure applications - Unplasticized poly(vinyl chloride) (PVC-U) pipes and fittings - Determination of the viscosity number and K-value (ISO 13229:2010)**

This International Standard specifies a method for the determination of the viscosity number (also known as reduced viscosity) and K-value of an unplasticized poly(vinyl chloride) (PVC) resin derived from a pipe, fitting or compound. In this International Standard, only the method for isolation (or separation) of the PVC resin is detailed, while the determination of the viscosity number is given in ISO 1628-2. The presence of other additives or polymers can invalidate this method (see Clause 3).

Keel en

Asendab EVS-EN 922:1999

**FprEN ISO 13260**

Identne FprEN ISO 13260:2011

ja identne ISO 13260:2010

Tähtaeg 30.05.2011

**Thermoplastics piping systems for non-pressure underground drainage and sewerage - Test method for resistance to combined temperature cycling and external loading (ISO 13260:2010)**

This International Standard specifies two methods for testing pipes and fittings or joints for plastics piping systems intended for use in underground drainage and sewerage systems for their resistance to deformation and leakage, when subjected to sustained external loading in conjunction with the passage of hot water. Method A involves temperature cycling, by passing hot water and cold water alternately, and is applicable to pipes and associated fittings having a mean outside diameter dem u 190 mm. Method B involves passing hot water only, except at intervals specified for measurement of internal deflection, and is applicable to pipes and associated fittings having a mean outside diameter 190 mm ¸ dem u 510 mm.

Keel en

Asendab EVS-EN 1437:2002

**prEN 1254-6**

Identne prEN 1254-6:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Plumbing fittings - Part 6: Fittings with push-fit ends**

This European Standard specifies materials and test requirements for fittings of copper and copper alloys. This part of EN 1254 specifies push-fit end connections with or without plating or coating in the size range 6 mm to 54 mm for the purpose of joining tubes of copper, plated copper, multilayer pipes and plastics pipes, intended for use in hot or cold or combined hot and cold water systems, heating and cooling. Permissible operating temperatures and maximum operating pressures are also established. Fittings may comprise a combination of end types, specified in this standard, EN 1254, or other standards. The standard establishes a designation system for the fittings. This European Standard is applicable to push-fit fittings for joining one or more of the following tubes or pipes: - Copper tubes to EN 1057; - PE-X pipes to EN ISO 15875-2; - PB pipes to EN ISO 15876-2; - PP pipes to EN ISO 15874-2. - Multilayer pipes to EN ISO 21003-2. Fittings may be suitable for joining other tubes and pipes provided the push-fit joint with the specified tube or pipe meets the requirements of this standard.

Keel en

**prEN 1254-8**

Identne prEN 1254-8:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Plumbing fittings - Part 8: Fittings with press ends for use with plastics and multilayer pipes**

This European Standard specifies materials and test requirements for fittings of copper and copper alloys. This part of EN 1254 specifies press end connections with or without plating in the size range 10 mm to 110 mm for the purpose of joining plastics and multilayer pipes for the use in hot and cold water systems according to EN 806, which are designed for service lifetime up to fifty years, as well as heating and cooling systems or gas systems, including fuel gas systems. Fittings may comprise a combination of end types, specified in this European Standard, EN 1254, or other standards, providing they are suitable for the fluid /gas being conveyed. The standard establishes a designation system for the fittings.

Keel en

**prEN 12449**

Identne prEN 12449:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Seamless, round tubes for general purposes**

This European Standard specifies the composition, property requirements and tolerances on dimensions and form for seamless round drawn copper and copper alloy tubes for general purposes supplied in the size range from 3 mm up to and including 450 mm outside diameter and from 0,3 mm up to and including 20 mm wall thickness. The sampling procedures and the methods of test for verification of conformity to the requirements of this standard are also specified.

Keel en

Asendab EVS-EN 12449:2000

**prEN 13160-5**

Identne prEN 13160-5:2011

Tähtaeg 30.05.2011

**Leak detection systems - Part 5: Tank gauge leak detection systems**

This draft European Standard specifies the requirements for leak detection systems – class IV for use only with liquids as defined in the scope of EN 13352.

Keel en

Asendab EVS-EN 13160-5:2004

**prEN 14116**

Identne prEN 14116:2011

Tähtaeg 30.05.2011

**Tanks for transport of dangerous goods - Digital interface for the product recognition device**

This European Standard covers the digital interface at the product loading and/or discharge coupling which is used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices. This European Standard specifies a digital interface which is suitable for use with liquid fuels.

Keel en

Asendab EVS-EN 14116:2007+A2:2010

**prEN 15014**

Identne prEN 15014:2011

Tähtaeg 30.05.2011

**Plastics piping systems - Buried and above ground piping components for water and other liquids under pressure - Requirements and test/assessment methods for pipes and fittings**

This European Standard specifies requirements for plastics pipes and fittings for pressure applications for water supply, drainage, sewerage and irrigation, as well as for any other pressure application in which other liquids are conveyed with the exception of water intended for human consumption. It is intended to be used for buried or above-ground conveyance of water, raw water prior to treatment, waste water, water for general purposes, vacuum-operated soil and waste conveyance and other liquids under pressure, for both outside and inside buildings. It gives the associated test/assessment methods. This standard does not cover adhesives, joint sealings and gaskets.

Keel en

Asendab EVS-EN 15014:2007

**prEN 15015**

Identne prEN 15015:2011

Tähtaeg 30.05.2011

**Plastics piping systems - Hot and cold water piping components - Requirements and test/assessment methods for pipes and fittings**

This European Standard specifies requirements for plastics pipes and fittings for hot and cold water installations. It is intended to be used for distribution of hot and cold water and for heating systems inside buildings with the exception of water intended for human consumption. It gives associated test/assessment methods.This standard does not cover adhesives joint sealings and gasket

Keel en

Asendab EVS-EN 15015:2007

**prEN 16257**

Identne prEN 16257:2011

Tähtaeg 30.05.2011

**Tanks for the transport of dangerous goods - Service equipment - Footvalve sizes other than 100 mm dia (nom)**

This European Standard is applicable to non pressure balanced and pressure-balanced footvalves intended for loading and unloading and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road – (flammable liquids) which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no-sub-classification as toxic or corrosive.

Keel en

**prEN ISO 10380**

Identne prEN ISO 10380:2011

ja identne ISO/DIS 10380:2011

Tähtaeg 30.05.2011

**Pipework - Corrugated metal hoses and hose assemblies (ISO/DIS 10380:2011)**

This International standard specifies the minimum requirements for the design, manufacture, testing and installation of corrugated metal hose and metal hose assemblies.

Keel en

Asendab EVS-EN ISO 10380:2003

**prEN ISO 21007-2**

Identne prEN ISO 21007-2:2011

ja identne ISO/DIS 21007-2:2011

Tähtaeg 30.05.2011

**Gas cylinders - Identification and marking using radio frequency identification technology - Part 2: Numbering schemes for radio frequency identification (ISO/DIS 21007-2:2011)**

This part of ISO 21007 establishes a common framework for data structure to enable the unambiguous identification in gas cylinder (GC) applications and for other common data elements in this sector. This part of ISO 21007 enables a structure to allow some harmonization between different systems. However, it does not prescribe any one system and has been written in a non-mandatory style so as not to make it obsolete as technology changes. The main body of this part of ISO 21007 excludes any data elements that form any part of transmission or storage protocols such as headers and checksums. For details of cylinder/tag operations see Annex A.

Keel en

Asendab EVS-EN ISO 21007-2:2005

## 25 TOOTMISTEHNOLOOGIA

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 12413:2007+A1:2011**

Hind 16,36

Identne EN 12413:2007+A1:2011

**Ohutusnõuded liimühendusega toodetele KONSOLIDEERITUD TEXT**

This standard is applicable to rotating bonded abrasive products. It specifies requirements and/or measures for the removal or reduction of hazards resulting from the design and application of the abrasive products. This standard also contains procedures and tests for verification of compliance with the requirements as well as safety information for use, which is to be made available to the user by the manufacturer. The hazards taken into consideration are listed in Clause 4 of this standard. This standard does not apply to superabrasives and coated abrasive products.

Keel en

Asendab EVS-EN 12413:2007

**EVS-EN 60204-33:2011**

Hind 22,75

Identne EN 60204-33:2011

ja identne IEC 60204-33:2009

**Masinate ohutus. Masinate elektriseadmed. Osa 33: Nõuded pooljuhtide tootmise seadmetele**

This part of IEC 60204 applies to electrical and electronic equipment associated with semiconductor fabrication equipment for the manufacture, measurement, assembly, and test of semiconductors.

Keel en

**EVS-EN 60745-2-3:2011**

Hind 21,47

Identne EN 60745-2-3:2011

ja identne IEC 60745-2-3:2006+A1:2010+A1:2010/corr:2011

**Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele**

This standard applies to grinders, with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity, polishers and disk-type sanders, including angle, straight and vertical. This standard applies to tools with a rated capacity not exceeding 230 mm. This standard does not apply to random-orbit polishers and random-orbit sanders. These are covered by IEC 60745-2-4.

Keel en

Asendab EVS-EN 60745-2-3:2007; EVS-EN 60745-2-3:2007/A11:2010

**EVS-EN 60770-1:2011**

Hind 10,61

Identne EN 60770-1:2011

ja identne IEC 60770-1:2010

**Transmitters for use in industrial-process control systems -- Part 1: Methods for performance evaluation**

This part of IEC 60770 is applicable to transmitters which have either a standard analogue electric current output signal or a standard pneumatic output analogue signal in accordance with IEC 60381-1 or IEC 60382. The tests detailed herein may be applied to transmitters which have other output signals, provided that due allowance is made for such differences. For the evaluation of the intelligent transmitters see IEC 60770-3. For certain types of transmitters where the sensor is an integral part, other specific IEC or ISO standards may need to be consulted (e.g. for chemical analysers, flowmeters, etc.) This standard is intended to specify uniform methods of test for the evaluation of the performance of transmitters with pneumatic or electric output signals. The methods of evaluation specified in this standard are intended for use by manufacturers to determine the performance of their products and by users or independent testing establishments to verify manufacturers' performance specifications. The test conditions defined in this standard, for example the range of ambient temperatures and power supply, represent those which commonly arise in use. Consequently, the values specified herein should be used where no other values are specified by the manufacturer. The tests specified in this standard are not necessarily sufficient for instruments specifically designed for unusually arduous or safety related duties. Conversely, a restricted series of test may be suitable for instruments designed to perform within a more limited range of conditions. When a full evaluation in accordance with this standard is not required, those tests which are required shall be performed and the results reported in accordance with those parts of the standard which are relevant.

Keel en

Asendab EVS-EN 60770-1:2002

**EVS-EN ISO 544:2011**

Hind 7,29

Identne EN ISO 544:2011

ja identne ISO 544:2011

**Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings (ISO 544:2011)**

This International Standard specifies technical delivery conditions for filler materials and fluxes for fusion welding. This International Standard does not apply to other auxiliary materials such as shielding gases.

Keel en

Asendab EVS-EN ISO 544:2004

**EVS-EN ISO 2106:2011**

Hind 5,88

Identne EN ISO 2106:2011

ja identne ISO 2106:2011

**Anodizing of aluminium and its alloys - Determination of mass per unit area (surface density) of anodic oxidation coatings - Gravimetric method (ISO 2106:2011)**

This International Standard specifies a gravimetric method for determining the mass per unit area (surface density) of anodic oxidation coatings on aluminium and its alloys. The method is applicable to all oxidation coatings formed by anodizing aluminium and its alloys, either cast or wrought, and is suitable for most aluminium alloys, except those in which the copper content is greater than 6 %.

Keel en

Asendab EVS-EN 12373-2:2001

**EVS-EN ISO 4136:2011**

Hind 7,29

Identne EN ISO 4136:2011

ja identne ISO 4136:2001

**Metalsete materjalide keevisõmbluste purustav katsetamine. Ristsuunalised (põiksuunalised) tõmbekatsed (ISO 4136:2001)**

This International Standard specifies the sizes of test specimen and the procedure for carrying out transverse tensile tests in order to determine the tensile strength and the location of fracture of a welded butt joint. This International Standard applies to metallic materials in all forms of product with joints made by any fusion welding process. Unless otherwise specified for specific points in this International Standard, the general principles of ISO 6892 apply.

Keel en

Asendab EVS-EN 895:1999

**EVS-EN ISO 5178:2011**

Hind 6,71

Identne EN ISO 5178:2011

ja identne ISO 5178:2001

**Destructive tests on welds in metallic materials - Longitudinal tensile test on weld metal in fusion welded joints (ISO 5178:2001)**

This International Standard specifies the sizes of test specimens and the test procedure for carrying out longitudinal tensile tests on cylindrical test specimens in order to determine the mechanical properties of weld metal in a fusion welded joint. This International Standard applies to metallic materials in all forms of product with joints made by any fusion welding process, having joint sizes that are sufficient to obtain cylindrical test specimens with dimensions in accordance with ISO 6892. Unless specified otherwise for specific points in this International Standard, the general principles of ISO 6892 apply.

Keel en

Asendab EVS-EN 876:1999

**EVS-EN ISO 8994:2011**

Hind 5,11

Identne EN ISO 8994:2011

ja identne ISO 8994:2011

**Anodizing of aluminium and its alloys - Rating system for the evaluation of pitting corrosion - Grid method (ISO 8994:2011)**

This International Standard specifies a grid rating system that provides a means of defining levels of performance of anodic oxidation coatings on aluminium and its alloys that have been subjected to corrosion tests. This rating system is applicable to pitting corrosion resulting from - accelerated tests, - exposure to corrosive environments, and - practical service tests. This International Standard takes into account only pitting corrosion of the basis metal resulting from penetration of the protective anodic oxidation coating.

Keel en

Asendab EVS-EN 12373-19:2002

**EVS-EN ISO 9015-1:2011**

Hind 9,27

Identne EN ISO 9015-1:2011

ja identne ISO 9015-1:2001

**Metalsete materjalide keevisõmbluste purustav katsetamine. Kõvaduse määramine.Osa 1: Kaarkeevitatud keevisliite kõvaduskatse (ISO 9015-1:2001)**

This part of ISO 9015 specifies hardness tests on transverse sections of arc welded joints of metallic materials. It covers Vickers hardness tests in accordance with ISO 6507-1, normally with test loads of 49,03 N or 98,07 N (HV 5 or HV 10). However, the principles may be applied to Brinell hardness testing (with appropriate testing loads of HB 2,5/15,625 or HB 1/2,5) in accordance with ISO 6506-1 and micro hardness testing in accordance with ISO 6507-1 and ISO 9015-2. NOTE Testing should be carried out to ensure that the highest and the lowest level of hardness of both parent metal and weld metal is determined. This part of ISO 9015 does not apply to test welds in austenitic stainless steels.

Keel en

Asendab EVS-EN 1043-1:1999

**EVS-EN ISO 9015-2:2011**

Hind 7,29

Identne EN ISO 9015-2:2011

ja identne ISO 9015-2:2003

**Metalsete materjalide keevisõmbluste purustav katsetamine. Kõvaduse määramine. Osa 2: Keevisliidete mikrokõvaduse määramine (ISO 9015-2:2003)**

This part of ISO 9015 specifies microhardness tests on transverse sections of welded joints of metallic materials with high hardness gradients. It covers Vickers hardness tests in accordance with ISO 6507-1, normally with test loads of 0,98 N to less than 49 N (HV 0,1 to less than HV 5). NOTE Testing should be carried out to ensure that the highest and/or the lowest level of hardness of both parent materials (in the case of dissimilar materials both parent materials) and weld metal is determined. This part of ISO 9015 does not cover hardness testing of welds with loads of 49,03 N and above, covered by ISO 9015-1. This part of ISO 9015 is not applicable to hardness testing of very narrow welds, e.g. those typically produced by laser and electron beam welding, covered by ISO 22826.

Keel en

Asendab EVS-EN 1043-2:1999

**EVS-EN ISO 9016:2011**

Hind 6,71

Identne EN ISO 9016:2011

ja identne ISO 9016:2001

**Metalsete materjalide keevisliidete purustav katsetamine. Löögikindlusteim. Katsekehade asukoht, süvendsoone orientatsioon ja uurimine (ISO 9016:2001)**

This International Standard specifies mainly the method to be used when describing test specimen location and notch orientation for the testing and reporting of impact tests on welded butt joints. This International Standard applies to impact tests on metallic materials in all forms of product made by any fusion welding process. It is used in addition to ISO 148 and includes test specimen denomination and additional reporting requirements.

Keel en

Asendab EVS-EN 875:1999

**EVS-EN ISO 17637:2011**

Hind 7,93

Identne EN ISO 17637:2011

ja identne ISO 17637:2003

**Non-destructive testing of welds - Visual testing of fusion-welded joints (ISO 17637:2003)**

This International Standard covers the visual testing of fusion welds in metallic materials. It may also be applied to visual testing of the joint prior to welding.

Keel en

Asendab EVS-EN 970:1999

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 875:1999**

Identne EN 875:1995

**Metalsete materjalide keevisliidete purustav katsetamine. Löögikindlusteim. Katsekehade asukoht, süvendsoone orientatsioon ja uurimine**

Käesolev standard määrab peamiselt kindlaks metoodika, mida kasutatakse võetavate katsekehade ja nendesse tehtava süvendsoone asukoha kirjeldamiseks põkkliidete löögisitkuse määramisel ja katseprotokollides kajastamisel.

Keel en

Asendatud EVS-EN ISO 9016:2011

**EVS-EN 876:1999**

Identne EN 876:1995

**Metalsete materjalide keevisõmbluste purustav katsetamine. Sulakeevitatud keevisliidete keevismetalli pikisuunaline tõmbeteim**

Käesolev standard määrab kindlaks katsekehade mõõtmed ja testimiskorra silindriliste katsekehade pikisuunaliste tõmbeteimide läbiviimisel, et määrata sulakeevitatud keevisliite mehaanilised omadused.

Keel en

Asendatud EVS-EN ISO 5178:2011

**EVS-EN 895:1999**

Identne EN 895:1995

**Metalsete materjalide keevisõmbluste purustav katsetamine. Ristsuunalised (põiksuunalised) tõmbekatsed**

Standard määrab kindlaks katsekehade mõõtmed ja testimise läbiviimise protseduuri keevisõmbluse ristsuunaliste tõmbeteimide korral, et määrata keevitatud põkkliite tõmbetegevus ja purunemiskoha asukoht.

Keel en

Asendatud EVS-EN ISO 4136:2011

**EVS-EN 970:1999**

Identne EN 970:1997

**Sulakeevisõmbluste mittepurustav kontrollimine. Visuaalne kontrollimine**

Käesolev Euroopa standard hõlmab metalsete materjalide sulakeevisõmbluste visuaalset uurimist. Uuring viiakse reeglina läbi keevisõmblustel nende keevitusjärgses olekus (töötlemata), kuid erandkorras, näiteks juhul kui seda nõuavad rakendusstandardid või osapooltevahelised lepingud, võidakse uuring läbi viia ka keevitusprotsessi teistes staadiumides.

Keel en

Asendatud EVS-EN ISO 17637:2011

**EVS-EN 1043-2:1999**

Identne EN 1043-2:1996

**Metalsete materjalide keevisõmbluste purustav katsetamine. Kõvaduse määramine. Osa 2: Keevisliidete mikrokõvaduse määramine**

Käesolev standard määrab kindlaks suurte kõvaduserinevustega metalsete materjalide keevisliidete õmbluse ristlõikes mikrokõvaduse määramise testid. Standard hõlmab Vickersi kõvaduskatset vastavalt standardile ISO/DIS 6507-1, reeglina testimiskoormusega 0,98 N kuni alla 49 N (HV 0,1 kuni alla HV 5).

Keel en

Asendatud EVS-EN ISO 9015-2:2011

**EVS-EN 1043-1:1999**

Identne EN 1043-1:1995

**Metalsete materjalide keevisõmbluste purustav katsetamine. Kõvaduse määramine.Osa 1: Kaarkeevitatud keevisliite kõvaduskatse**

Käesolev standard määrab kindlaks metalsete materjalide kaarkeevitatud liidete ristlõike kõvaduse määramise testid. Standard hõlmab Vickersi kõvaduskatset vastavalt standardile ISO 6507-1, üldjuhul testimiskoormusega 49 N või 98 N (HV 5 või HV 10). Kuid eespool kirjeldatud põhimõtteid võib rakendada ka Brinelli kõvaduskatse ja mikrokõvaduse määramise korral.

Keel en

Asendatud EVS-EN ISO 9015-1:2011

**EVS-EN 12373-2:2001**

Identne EN 12373-2:1998

**Aluminium and aluminium alloys - Anodizing - Part 2: Determination of mass per unit area (surface density) of anodic oxidation coatings - Gravimetric method**

This Part of this European Standard specfies a gravimetric method for determining the mass per unit area (surface density) of anodic oxidation coatings on aluminium and its alloys.

Keel en

Asendatud EVS-EN ISO 2106:2011

**EVS-EN 12373-19:2002**

Identne EN 12373-19:2001

**Aluminium and aluminium alloys - Anodizing - Part 19: Rating system for the evaluation of pitting corrosion - Grid method**

This part of this European Standard specifies a grid rating system that provides a means of defining levels of performance of anodic oxidation coatings on aluminium and its alloys that have been subjected to corrosion tests.

Keel en

Asendatud EVS-EN ISO 8994:2011

**EVS-EN 12413:2007**

Identne EN 12413:2007

**Ohutusnõuded liimühendusega toodetele**

This standard is applicable to rotating bonded abrasive products. It specifies requirements and/or measures for the removal or reduction of hazards resulting from the design and application of the abrasive products.

Keel en

Asendab EVS-EN 12413:1999

Asendatud EVS-EN 12413:2007+A1:2011

**EVS-EN 60745-2-3:2007**

Identne EN 60745-2-3:2007

ja identne IEC 60745-2-3:2006 (Modified)

**Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele**

This standard applies to grinders, with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity, polishers and disk-type sanders, including angle, straight and vertical. This standard applies to tools with a rated capacity not exceeding 230 mm.

Keel en

Asendab EVS-EN 50144-2-3:2003; EVS-EN 50144-2-3:2003/A2:2003; EVS-EN 50144-2-3:2003/A1:2003

Asendatud EVS-EN 60745-2-3:2011

**EVS-EN 60745-2-3:2007/A11:2010**

Identne EN 60745-2-3:2007/A11:2009

**Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele**

This standard applies to grinders, with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity, polishers and disk-type sanders, including angle, straight and vertical. This standard applies to tools with a rated capacity not exceeding 230 mm.

Keel en

Asendatud EVS-EN 60745-2-3:2011

**EVS-EN 60770-1:2002**

Identne EN 60770-1:1999

ja identne IEC 60770-1:1999

**Transmitters for use in industrial-process control systems - Part 1: Methods for performance evaluation**

The Standard applies to transmitters which have either a standard electric current output signal or a standard pneumatic output signal in accordance with Publication 381-1 or Publication 382. The test detailled herein may be applied to transmitters which have other output signals, provided that allowance is made for such difference. For certain types of transmitters, where the sensor is an integral part, other specific IEC or ISO standards may need to be consulted (e.g. for chemical analysers, flowmeters, etc.)

Keel en

Asendatud EVS-EN 60770-1:2011

**EVS-EN ISO 544:2004**

Identne EN ISO 544:2003

ja identne ISO 544:2003

**Welding consumables - Technical delivery conditions for welding filler metals - Type of product, dimensions, tolerances and markings**

This European Standard specifies technical delivery conditions for filler materials for fusion welding. This European Standard does not apply to auxiliaries such as shielding gases.

Keel en

Asendab EVS-EN 759:1999

Asendatud EVS-EN ISO 544:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 61029-2-5**

Identne FprEN 61029-2-5:2011

ja identne IEC 61029-2-5:1993 + A1:2001

Tähtaeg 30.05.2011

**Safety of transportable motor-operated electric tools - Part 2-5: Particular requirements for band saws**

This European Standard applies to transportable band saws having a saw band not more than 85 2 700 mm in length and band wheels having a diameter of not more than 350 mm.

Keel en

Asendab EVS-EN 61029-2-5:2003

**FprEN 61029-2-8**

Identne FprEN 61029-2-8:2011

ja identne IEC 61029-2-8:1995 + A1:1999 + A2:2001

Tähtaeg 30.05.2011

**Teisaldatavate elektrimootoriga käsitööriistade ohutus. Osa 2-8: Erinõuded ühepoolsetele vertikaalasendis võll-valamismasinatele**

This European Standard applies to transportable single spindle vertical moulders, with a maximum cutter block diameter of 200 mm maximum, designed to cut wood and analogue materials also covered with plastic laminate or edgings by hand-feed operation. Single spindle vertical moulders other than transportable are covered by EN 848-1.

Keel en

Asendab EVS-EN 61029-2-8:2010

**FprEN ISO 9012**

Identne FprEN ISO 9012:2011

ja identne ISO 9012:2008

Tähtaeg 30.05.2011

**Gaaskeevitusseadmed. Õhkaspireeritud käsijootepõletid. Tehnilised andmed ja katsetamine (ISO 9012:2008)**

This International Standard specifies requirements and test methods for air-aspirated hand blowpipes. This International Standard applies to blowpipes for brazing, soldering, heating, fusion and other allied thermal processes, which use a fuel gas and aspirated air (injector-type blowpipes), and are intended for manual use. This International Standard is applicable to: - air-aspirated hand blowpipes which are fed with a fuel gas in the gaseous phase, at a controlled pressure by a regulator, through a gas supply hose; - air-aspirated hand blowpipes which are fed with a liquefied fuel gas in the gaseous phase at the container pressure, through a gas supply hose; - so-called liquid-phase blowpipes which are fed with a fuel gas in the liquid phase, and where thermal evaporation takes place within the blowpipe. It does not apply to blowpipes in which the fuel gas leaves the injector in the liquid phase, or to so-called “cartridge” blowpipes where the gas supply is fixed directly onto the blowpipe and possibly constitutes the shank.

Keel en

Asendab EVS-EN 731:1999

**FprEN ISO 26304**

Identne FprEN ISO 26304:2011

ja identne ISO/FDIS 26304:2011

Tähtaeg 30.05.2011

**Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels - Classification (ISO/FDIS 26304:2011)**

This International Standard specifies requirements for classification of solid wire electrodes, tubular cored electrodes, and electrode-flux combinations (all-weld metal deposits) in the as-welded condition and in the post-weld heat-treated condition for submerged arc welding of high strength steels with a minimum yield strength greater than 500 MPa or a minimum tensile strength greater than 570 MPa. One flux can be tested and classified with different electrodes. One electrode can be tested and classified with different fluxes. The solid wire electrode is also classified separately based on its chemical composition.

Keel en

Asendab EVS-EN ISO 26304:2010

**prEN 13067**

Identne prEN 13067:2011

Tähtaeg 30.05.2011

**Plastics welding personnel - Qualification testing of welders - Thermoplastics welded assemblies**

This standard specifies the method of testing the knowledge and skill of a welder who is required to carry out welds on thermoplastics in new constructions and repair work. The skill examination of a welder is an essential condition for the assurance of the quality of the welding work. The application of this standard guarantees that the examination is carried out according to a uniform test procedure. The standard applies when the contractor or the authorities responsible for the application require it. Gas and water utility network industries with alternative qualification programmes are excluded from this standard.

Keel en

Asendab EVS-EN 13067:2003

**prEN 13100-4**

Identne prEN 13100-4:2011

Tähtaeg 30.05.2011

**Non destructive testing of welded joints of thermoplastics semifinished products - Part 4: High voltage testing**

This standard specifies the equipment and methods for the high voltage testing of butt or overlap joints in thermoplastic sheets for locating through-thickness defects only. It applies to new unused constructions only.

Keel en

**prEN 13347**

Identne prEN 13347:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Rod and wire for welding and braze welding**

This European Standard specifies the composition, property requirements and dimensional tolerances for copper and copper alloy rod and wire intended for welding and braze welding purposes. The sampling procedures and the methods of test for verification of conformity to the requirements of this standard are also specified.

Keel en

Asendab EVS-EN 13347:2003

**prEN 13603**

Identne prEN 13603:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Test methods for assessing protective tin coatings on drawn round copper wire for electrical purposes**

This European Standard specifies methods for assessing the tin coating on drawn round copper wire for the manufacture of electrical conductors, e.g. according to EN 13602. Standard includes test methods for the determination of the following characteristics: a) thickness of the unalloyed tin coating; b) continuity of the tin coating; c) adherence of the tin coating. WARNING - This standard can involve the use of hazardous materials, operations, and equipment. This standard does not purport to address all of the safety problems associated with their use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13603:2002

**prEN ISO 2400**

Identne prEN ISO 2400:2011

ja identne ISO/DIS 2400:2011

Tähtaeg 30.05.2011

**Non-destructive testing - Ultrasonic examination - Specification for calibration block No. 1 (ISO/DIS 2400:2011)**

This International Standard specifies requirements for the dimensions, material and manufacture of a steel block for calibrating ultrasonic test equipment used in manual testing.

Keel en

Asendab EVS-EN 12223:2000

**prEN ISO 11148-7**

Identne prEN ISO 11148-7:2011

ja identne ISO/DIS 11148-7:2011

Tähtaeg 30.05.2011

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 7: Peenestid (ISO/DIS 11148-7:2011)**

This part of ISO 11148 applies to hand-held non-electric power tools (hereafter referred to as “grinders”) intended for grinding and cutting-off with abrasive products, for use on all kinds of materials. The grinders may be powered by compressed air or hydraulic fluid and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-7:2002+A1:2008

**prEN ISO 11148-12**

Identne prEN ISO 11148-12:2011

ja identne ISO/DIS 11148-12:2011

Tähtaeg 30.05.2011

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 12: Ketassaed, väikesed vibrosaed ja kahemehesaed (ISO/DIS 11148-12:2011)**

This part of ISO 11148 applies to hand-held non-electric power tools (hereafter referred to as (“circular, oscillating and reciprocating saws”) intended for sawing The circular, oscillating and reciprocating saws can be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-12:2000+A1:2008

# 27 ELEKTRI- JA SOOJUSENERGEETIKA

## UUED STANDARDID JA PUBLIKATSIOONID

**EVS-EN 14276-1:2006+A1:2011**

Hind 20,13

Identne EN 14276-1:2006+A1:2011

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 1: Anumad. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary pressure vessels intended for use in refrigerating systems and heat pumps. These systems are referenced in this standard as refrigerating systems as defined in EN 378-1. This European Standard applies to vessels including welded or brazed attachments up to and including the nozzle flanges, screwed, welded or brazed connectors or to the edge to be welded or brazed at the first circumferential joint connecting piping or other elements. This European Standard applies to pressure vessels with an internal pressure down to – 1 bar, to account for the evacuation of the vessel prior to charging with refrigerant. This European Standard applies to both the mechanical loading conditions and thermal conditions as defined in EN 13445-3 associated with refrigerating systems. It applies to pressure vessels subject to the maximum allowable temperatures for which nominal design stresses for materials are derived using EN 13445-2 and EN 13445-3 or as specified in this standard. In addition vessels designed to this standard should have a maximum design temperature not exceeding 200 °C and a maximum design pressure not exceeding 64 bars. Outside of these limits, it is important that EN 13445 be used for the design, construction and inspection of the vessel. Under these circumstances it is important that the unique nature of refrigerating plant, as indicated in the introduction to this standard, also be taken into account.

Keel en

Asendab EVS-EN 14276-1:2006

**EVS-EN 14276-2:2007+A1:2011**

Hind 12,02

Identne EN 14276-2:2007+A1:2011

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 2: Torustikud. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary piping intended for use in refrigerating systems, heat pumps and secondary cooling and heating systems. These refrigerating systems and heat pump systems are referenced in this standard as refrigerating systems as defined in EN 378-1.

Keel en

Asendab EVS-EN 14276-2:2007

**EVS-EN 15879-1:2011**

Hind 11,38

Identne EN 15879-1:2011

**Testing and rating of direct exchange ground coupled heat pumps with electrically driven compressors for space heating and/or cooling - Part 1: Direct exchange-to-water heat pumps**

This European Standard specifies the terms and definitions, test conditions, test procedures and requirements for the rating and performance of direct exchange-to-water ground coupled heat pumps with electrically driven compressors, used for space heating and/or cooling. Brine can be used instead of water. This European Standard applies to factory-made units with horizontal in-ground collectors. In the case of units consisting of several parts, this standard applies only to those designed and supplied as a complete package. Water-to-direct exchange and direct-exchange-to-direct exchange ground coupled heat pumps are covered by EN 15879-2. Direct exchange-to-air ground coupled heat pumps and air-to-direct exchange heat pumps are covered by EN 15879-3. This European Standard does not apply to units using transcritical cycles, e.g. with CO2 as refrigerant.

Keel en

**EVS-EN 61853-1:2011**

Hind 8,63

Identne EN 61853-1:2011

ja identne IEC 61853-1:2011

**Photovoltaic (PV) module performance testing and energy rating - Part 1: Irradiance and temperature performance measurements and power rating**

This part of IEC 61853 describes requirements for evaluating PV module performance in terms of power (watts) rating over a range of irradiances and temperatures. IEC 61853-2 describes test procedures for measuring the performance effect of angle of incidence; the estimation of module temperature from irradiance, ambient temperature and wind speed; and impact of spectral response on energy production. IEC 61853-3 describes the calculations of PV module energy (watt-hours) ratings. IEC 61853-4 describes the standard time periods and weather conditions that can be utilized for calculating standardized energy ratings. The object of this part of IEC 61853 is to define a testing and rating system, which provides the PV module power (watts) at maximum power operation for a set of defined conditions. A second purpose is to provide a full set of characterization parameters for the module under various values of irradiance and temperature. This set of measurements is required in order to perform the module energy rating described in IEC 61853-3.

Keel en

**EVS-EN 62006:2011**

Hind 21,47

Identne EN 62006:2011

ja identne IEC 62006:2010

**Hydraulic machines - Acceptance tests of small hydroelectric installations**

This International Standard defines the test, the measuring methods and the contractual guarantee conditions for field acceptance tests of the generating machinery in small hydroelectric power installations. It applies to installations containing impulse or reaction turbines with unit power up to about 15 MW and reference diameter of about 3 m. The driven generator can be of synchronous or asynchronous type. This International Standard contains information about most of the tests required for acceptance of the hydraulic turbine such as safety approval tests, trial operating and reliability tests, as well for verification of cavitation, noise and vibration conditions, if required. This standard represents the typical methods used on smaller hydroelectric installations, and is divided into three classes as follows (see Table 1 for more detail): Class A Normal test program (panel measurement) To determine the maximum power output of the installation. Default Class B Extended test program To determine the performance characteristics of the installation. Recommended Class C Comprehensive test program To determine the absolute efficiency of the installation. Optional NOTE All classes contain safety tests, trial operating tests, and reliability tests. This standard gives all necessary references for the contract in order to execute the test, evaluate, calculate and compare the result to the guarantee for all the classes A, B and C. The manufacturer or consulting engineer is responsible for ensuring that standardized connections are installed for performing these tests. This standard does not cover the structural details of a hydroelectric installation or its component parts.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 14276-1:2006**

Identne EN 14276-1:2006

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 1: Anumad. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary pressure vessels intended for use in refrigerating systems and heat pumps. These systems are referenced in this standard as refrigerating systems as defined in EN 378-1.

Keel en

Asendatud EVS-EN 14276-1:2006+A1:2011

**EVS-EN 14276-2:2007**

Identne EN 14276-2:2007

**Külmutussüsteemide ja küttepumpade survesüsteemid. Osa 2: Torustikud. Üldnõuded**

This European Standard specifies the requirements for material, design, manufacturing, testing and documentation for stationary piping intended for use in refrigerating systems, heat pumps and secondary cooling and heating systems. These refrigerating systems and heat pump systems are referenced in this standard as refrigerating systems as defined in EN 378-1.

Keel en

Asendatud EVS-EN 14276-2:2007+A1:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN 16247-1**

Identne prEN 16247-1:2011

Tähtaeg 30.05.2011

**Energy audits - Part 1: General requirements**

This European standard specifies the requirements, common methodology and deliverables for energy audits. It applies to all forms of establishments, energy and use of energy, excluding individual private dwellings. This part covers the general requirements common to all energy audits. Specific energy audit requirements will complete the general requirements in separate parts dedicated to energy audits for buildings, industrial processes and transportation.

Keel en

## 29 ELEKTROTEHNIKA

**UUED STANDARDID JA PUBLIKATSIOONID**

**CLC/TS 50238-2:2010/AC:2011**

Hind 0

Identne CLC/TS 50238-2:2010/AC:2011

**Railway applications - Compatibility between rolling stock and train detection systems - Part 2: Compatibility with track circuits**

Keel en

**CLC/TS 60034-24:2011**

Hind 10,61

Identne CLC/TS 60034-24:2011

ja identne IEC/TS 60034-24:2009

**Rotating electrical machines - Part 24: Online detection and diagnosis of potential failures at the active parts of rotating electrical machines and of bearing currents - Application guide**

This part of IEC 60034 is applicable to the on-line detection and diagnosis of failures at the active parts of multi-phase rotating electrical machines (induction and synchronous machines) and of bearing currents. The failure analysis includes: - interturn faults; - phase-to-phase short-circuits; - double earth faults and single earth faults of motors with earth connection of the starpoint; - static and dynamic eccentricities; - cage imperfection or defects (e.g. broken bars or end-rings); - bearing currents. This can be achieved by tools like search coils or other magnetic sensors or partly by the analysis of the terminal voltages and currents. The detection of the following effects is excluded from the scope: - vibration (covered by ISO standards, e.g. ISO 10816 and ISO 7919); - partial discharge (covered by IEC 60034-27); - single earth-faults of motors without earth connection of the star-point; - core imperfection. Also excluded are special methods applicable for specific applications only (e.g. turbo generators).

Keel en

**CLC/TS 60034-27:2011**

Hind 16,36

Identne CLC/TS 60034-27:2011

ja identne IEC/TS 60034-27:2006

**Rotating electrical machines - Part 27: Off-line partial discharge measurements on the stator winding insulation of rotating electrical machines**

This part of IEC 60034 which is a technical specification provides a common basis for -measuring techniques and instruments, - the arrangement of test circuits, - normalization and testing procedures, - noise reduction, - the documentation of test results, - the interpretation of test results with respect to partial discharge off-line measurements on the stator winding insulation of rotating electrical machines when tested with alternating voltages up to 400 Hz. This technical specification applies to rotating machines having bars or form wound coils with conductive slot coating. This is usually valid for machines with voltage rating of 6 kV and higher. The measurement methods described in this specification may also be applied to machines with-out conductive slot coating. However, results may be different and are not covered by this specification.

Keel en

**CLC/TS 60034-31:2011**

Hind 14,64

Identne CLC/TS 60034-31:2011

ja identne IEC/TS 60034-31:2010

**Rotating electrical machines - Part 31: Selection of energy-efficient motors including variable speed applications - Application guide**

This part of IEC 60034 provides a guideline of technical aspects for the application of energyefficient, three-phase, electric motors. It not only applies to motor manufacturers, OEMs (original equipment manufacturers), end users, regulators and legislators but to all other interested parties. This technical specification is applicable to all electrical machines covered by IEC 60034-30. Most of the information however is also relevant for cage-induction machines with output powers exceeding 375 kW.

Keel en

**CLC/TS 60034-18-42:2011**

Hind 12,65

Identne CLC/TS 60034-18-42:2011

ja identne IEC/TS 60034-18-42:2008

**Rotating electrical machines - Part 18-42: Qualification and acceptance tests for partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters**

This Technical Specification defines criteria for assessing the insulation system of stator/rotor windings of single or polyphase AC machines which are subjected to repetitive impulse voltages, such as pulse width modulation (PWM) converters, and expected to withstand partial discharge activity during service. It specifies electrical qualification and acceptance tests on representative samples which verify fitness for operation with voltage-source converters. This document does not apply to: - Rotating machines which are fed by converters only for starting. - Electrical equipment and systems for traction.

Keel en

**EVS-EN 50363-0:2011**

Hind 6,71

Identne EN 50363-0:2011

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 0: Üldsissejuhatus**

EN 50363 contains, in its various parts, the requirements for insulating, sheathing and covering materials that are used for harmonized low voltage energy cables. EN 50363 is published as this Part 0 together with a series of separately published parts as listed in Table 1 and these parts require that Part 0 be read in conjunction with them. It also includes a list of the test methods called up in the particular parts of the standard, with references to the current editions of other standards in which the relevant test methods are given.

Keel en

Asendab EVS-EN 50363-0:2005

**EVS-EN 50363-3:2005/A1:2011**

Hind 4,35

Identne EN 50363-3:2005/A1:2011

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 3: Polüvinüülkloriid-isoleerkompaundid**

This part of EN 50363 specifies the requirements for the physical properties of the PVC insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series and EN 50395.

Keel en

**EVS-EN 50363-5:2005/A1:2011**

Hind 4,35

Identne EN 50363-5:2005/A1:2011

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 5: Halogeenivabad võrkstruktuuriga isoleerkompaundid**

This part of EN 50363 specifies the requirements for the physical properties of the harmonised halogen-free, cross-linked insulating compounds given in Table 1. The relevant test methods are given in EN 60811 series, EN 50267-2 (series), EN 60684-2 and EN 50396.

Keel en

**EVS-EN 50363-6:2005/A1:2011**

Hind 4,35

Identne EN 50363-6:2005/A1:2011

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 6: Halogeenivabad võrkstruktuuriga mantlikompaundid**

This part of EN 50363 specifies the requirements for the physical properties of the harmonised halogen-free cross-linked sheathing compounds given in Table 1. The relevant test methods for verification of compliance are given in EN 60811 (series), EN 50267-2 (series), EN 60684-2 and EN 50396.

Keel en

**EVS-EN 50363-8:2005/A1:2011**

Hind 4,35

Identne EN 50363-8:2005/A1:2011

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 8: Halogeenivabad termoplastilised mantlikompaundid**

This part of EN 50363 specifies the requirements for the physical properties of the harmonised halogen-free thermoplastic sheathing compound given in Table 1. The relevant test methods for verification of compliance are given in EN 60811 (series), EN 50267-2 series, EN 60684-2, EN 50396 and HD 21.14.

Keel en

**EVS-EN 50363-2-1:2005/A1:2011**

Hind 4,35

Identne EN 50363-2-1:2005/A1:2011

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 2-1: Võrkstruktuuriga elastomeer-mantlikompaundid**

This part of EN 50363 specifies the requirements for the physical properties of the cross-linked elastomeric sheathing compounds given in Table 1. The relevant test methods are given in EN 60811 series and EN 50396.

Keel en

**EVS-EN 50395:2005/A1:2011**

Hind 4,35

Identne EN 50395:2005/A1:2011

**Madalpingeliste jõukaablite elektrilised katsetusmeetodid**

EN 50395 contains electrical test methods required for the testing of harmonized low voltage energy cables, especially those rated at up to and including 450/750 V.

Keel en

**EVS-EN 50396:2005/A1:2011**

Hind 4,35

Identne EN 50396:2005/A1:2011

**Madalpingeliste jõukaablite mitteelektrilised katsetusmeetodid**

EN 50396 contains non-electrical test methods required for the testing of harmonized low voltage energy cables, especially those rated at up to and including 450/750 V.

Keel en

**EVS-EN 50550:2011**

Hind 14,64

Identne EN 50550:2011

**Power frequency overvoltage protective device for household and similar applications (POP)**

This European Standard applies to power frequency overvoltage protection devices (hereafter referred to as “POP”) for household and similar uses, with a rated frequency of 50 Hz, a rated voltage 230 V a.c. (between phase and neutral), intended to be used in combination with a main protective device being either a CB in compliance with EN 60898-1 or EN 60898-2, a RCCB in compliance with EN 61008-1 or a RCBO in compliance with EN 61009-1.

Keel en

**EVS-EN 60204-33:2011**

Hind 22,75

Identne EN 60204-33:2011

ja identne IEC 60204-33:2009

**Masinate ohutus. Masinate elektriseadmed. Osa 33: Nõuded pooljuhtide tootmise seadmetele**

This part of IEC 60204 applies to electrical and electronic equipment associated with semiconductor fabrication equipment for the manufacture, measurement, assembly, and test of semiconductors.

Keel en

**EVS-EN 61058-2-5:2011**

Hind 6,71

Identne EN 61058-2-5:2011

ja identne IEC 61058-2-5:2010

**Seadmelülitid. Osa 2-5: Erinõuded ümberlülititele**

1.1 This International Standard applies to change-over selectors (mechanical or electronic) for appliances actuated by hand, by foot or by other human activity, to operate or controlelectrical appliances and other equipment for household or similar purposes with a rated voltage not exceeding 480 V and a rated current not exceeding 63 A. These change-over selectors are intended to be operated by a person, via an actuating member or by actuating a sensing unit. The actuating member or sensing unit can be integral with or arranged separately, either physically or electrically, from the switch and may involve transmission of a signal, for example electrical, optical, acoustic or thermal, between the actuating member or sensing unit and the switch. Change-over selectors which incorporate additional control functions governed by the switch function are within the scope of this standard. This standard also covers the indirect actuation of the switch when the operation of the actuating member or sensing unit is provided by a remote control or a part of an appliance or equipment such as a door.

Keel en

Asendab EVS-EN 61058-2-5:2001/A11:2002; EVS-EN 61058-2-5:2001

**EVS-EN 61558-2-9:2011**

Hind 7,93

Identne EN 61558-2-9:2011

ja identne IEC 61558-2-9:2010

**Safety of transformers, reactors, power supply units and combinations thereof - Part 2-9: Particular requirements and tests for transformers and power supply units for class III handlamps for tungsten filament lamps**

This part of IEC 61558 deals with the safety of transformers for class III handlamps for tungsten filament lamps and power supply units incorporating transformers for class III handlamps for tungsten filament lamps. Transformers incorporating electronic circuits are also covered by this standard. NOTE 1 Safety includes electrical, thermal, mechanical and chemical aspects. Unless otherwise specified, from here onward, the term transformer covers transformers for class III handlamps for tungsten filament lamps and power supply units incorporating transformers for class III handlamps for tungsten filament lamps. This part is applicable to stationary or portable single-phase air-cooled (natural or forced) independent or associated dry-type transformers. The windings may be encapsulated or non-encapsulated. This standard is applicable to transformers and power supply (linear) with internal operational frequencies not exceeding 500 Hz. This standard used in combination with Part 2-16 for switch mode power supply (SMPS) units is also applicable to power supplies with internal operational frequencies higher than 500 Hz. Where the two requirements are in conflict, the most severe take precedence. The rated supply voltage does not exceed 1 000 V a.c., and the rated supply frequency and the internal operational frequencies do not exceed 500 Hz.

Keel en

Asendab EVS-EN 61558-2-9:2003

**EVS-EN 61558-2-12:2011**

Hind 9,91

Identne EN 61558-2-12:2011

ja identne IEC 61558-2-12:2011

**Safety of transformers, reactors, power supply units and combinations thereof - Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage**

This part of IEC 61558 deals with the safety of constant voltage transformers for general applications and power supply units for constant voltage for general applications. Constant voltage transformers incorporating electronic circuits are also covered by this standard.

Keel en

Asendab EVS-EN 61558-2-12:2002

**EVS-EN 61558-2-20:2011**

Hind 9,27

Identne EN 61558-2-20:2011

ja identne IEC 61558-2-20:2010

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-20: Erinõuded väikereaktoritele**

This part of IEC 61558 deals with the safety of small reactors for general applications. NOTE 1 Safety includes electrical, thermal and mechanical aspects. Unless otherwise specified, from here onward, the term transformer or reactor covers small reactors. This part is applicable to stationary or portable, single-phase or polyphase, air-cooled (natural or forced) general purpose reactors including alternating current, premagnetised and current compensated independent or associated reactors. The rated supply voltage does not exceed 1 000 V a.c. or 1 500V ripple-free d.c., the rated supply frequency and the internal operational frequencies do not exceed 1 MHz. The rated power does not exceed: - 25 kVAR a.c. (25 kW d.c.) for single-phase reactors, - 50 kVAR a.c. (50 kW d.c.) for poly-phase reactors. This part is applicable to reactors without limitations of the rated power subject to an agreement between the purchaser and the manufacturer. This part is applicable to dry-type reactors. The windings may be encapsulated or nonencapsulated. This part does not apply to: reactors covered by IEC 60289; - ballast for tubular fluorescent covered by IEC 61347-2-8; - ballast for discharge lamps (excluding tubular fluorescent lamps) covered by IEC 61347-2-9.

Keel en

Asendab EVS-EN 61558-2-20:2002

**EVS-EN 61803:2011/A1:2011**

Hind 5,88

Identne EN 61803:1999/A1:2010

ja identne IEC 61803:1999/A1:2010

**Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters**

This International Standard applies to all line-commutated high-voltage direct current (HVDC) converter stations used for power exchange in utility systems. This standard presumes the use of 12-pulse thyristor converters but can, with due care, also be used for 6-pulse thyristor converters. In some applications, synchronous compensators or static var compensators (SVC) may be connected to the a.c. bus of the HVDC converter station. The loss determination procedures for such equipment are not included in this standard. This standard presents a set of standard procedures for determining the total losses of an HVDC converter station. Typical HVDC equipment is shown in figure 1. The procedures cover all parts, except as noted above, and address no-load operation and operating losses together with their methods of calculation which use, wherever possible, measured parameters. Converter station designs employing novel components or circuit configurations compared to the typical design assumed in this standard, or designs equipped with unusual auxiliary circuits that could affect the losses, shall be assessed on their own merits.

Keel en

**EVS-EN 61803:2011**

Hind 13,36

Identne EN 61803:1999

ja identne IEC 61803:1999

**Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters**

This International Standard applies to all line-commutated high-voltage direct current (HVDC) converter stations used for power exchange in utility systems. This standard presumes the use of 12-pulse thyristor converters but can, with due care, also be used for 6-pulse thyristor converters. In some applications, synchronous compensators or static var compensators (SVC) may be connected to the a.c. bus of the HVDC converter station. The loss determination procedures for such equipment are not included in this standard. This standard presents a set of standard procedures for determining the total losses of an HVDC converter station. Typical HVDC equipment is shown in figure 1. The procedures cover all parts, except as noted above, and address no-load operation and operating losses together with their methods of calculation which use, wherever possible, measured parameters. Converter station designs employing novel components or circuit configurations compared to the typical design assumed in this standard, or designs equipped with unusual auxiliary circuits that could affect the losses, shall be assessed on their own merits.

Keel en

**EVS-EN 61936-1:2010/AC:2011**

Hind 0

Identne EN 61936-1:2010/Corr:2011

**Power installations exceeding 1 kV a.c. - Part 1: Common rules**

Keel en

**EVS-EN 62246-1:2011**

Hind 18,85

Identne EN 62246-1:2011

ja identne IEC 62246-1:2011

**Reed switches - Part 1: Generic specification**

This part of IEC 62246 series, which is a generic specification applies to all types of reed switches including magnetically biased reed switches of assessed quality for use in general and industrial applications.

Keel en

Asendab EVS-EN 62246-2:2008; EVS-EN 62246-1:2003

**EVS-EN 62271-206:2011**

Hind 11,38

Identne EN 62271-206:2011

ja identne IEC 62271-206:2011

**High-voltage switchgear and controlgear - Part 206: Voltage presence indicating systems for rated voltages above 1 kV and up to and including 52 kV**

This part of IEC 62271 is applicable to voltage presence indicating systems (VPIS) incorporated in a.c. switchgear and controlgear covered by IEC 62271-200 or IEC 62271-201. Voltage presence indicating systems are devices used to provide information to operators about the voltage condition of the main circuit of the switchgear in which they are installed. The indication of VPIS alone is not sufficient to prove that the system is dead: if operating procedures make it mandatory, relevant voltage detectors according to IEC 61243-1, IEC 61243-2 and IEC 61243-5 should be used. This standard is also applicable to phase comparators specifically designed for use with VPIS.

Keel en

Asendab EVS-EN 61958:2002

**EVS-EN 62305-1:2011**

Hind 17,32

Identne EN 62305-1:2011

ja identne IEC 62305-1:2010

**Piksekaitse. Osa 1: Üldpõhimõtted**

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.

Keel en

Asendab EVS-EN 62305-1:2007

**EVS-EN 62305-3:2011**

Hind 24,09

Identne EN 62305-3:2011

ja identne IEC 62305-3:2010

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsikalised kahjustused ja oht elule**

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.

Keel en

Asendab EVS-EN 62305-3:2007; EVS-EN 62305-3:2007/A11:2009; EVS-EN 62305-3:2007/AC:2008

**EVS-EN 62305-4:2011**

Hind 20,13

Identne EN 62305-4:2011

ja identne IEC 62305-4:2010

**Piksekaitse. Osa 4: Ehitiste elektri- ja elektroonikasüsteemid**

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 [1] 1 and in the IEC 61000 series [2]. 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

Asendab EVS-EN 62305-4:2006

**EVS-EN 62561-4:2011**

Hind 10,61

Identne EN 62561-4:2011

ja identne IEC 62561-4:2010

**Lightning Protection System Components (LPSC) - Part 4: Requirements for conductor fasteners**

This Part 4 of IEC 62561 deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used in conjunction with the air termination, down conductor and earth termination system. This standard does not cover the fixing of conductor fasteners to the fabric/membrane/gravel roofing of structures due to the vast number and types used in modern day construction. LPSC may also be suitable for use in hazardous atmospheres. Regard should then be taken of the extra requirements necessary for the components to be installed in such conditions

Keel en

Asendab EVS-EN 50164-4:2008

**EVS-HD 60364-4-42:2011**

Hind 12,02

Identne HD 60364-4-42:2011

ja identne IEC 60364-4-42:2010

**Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects**

This part of IEC 60364 applies to electrical installations with regard to measures for the protection of persons, livestock and property against - thermal effects, combustion or degradation of materials, and risk of burns caused by electrical equipment, - flames in case of a fire hazard being propagated from electrical installations to other fire compartments segregated by barriers which are in the vicinity, and - the impairment of the safe functioning of electrical equipment including safety services.

Keel en

Asendab EVS-HD 384.4.42 S1:2003; EVS-IEC 60364-4-42:2003

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 50363-0:2005**

Identne EN 50363-0:2005

**Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 0: Üldsissejuhatus**

EN 50363 contains, in its various parts, the requirements for insulating, sheathing and covering materials that are used for harmonized low voltage energy cables.

Keel en

Asendatud EVS-EN 50363-0:2011

**EVS-EN 61058-2-5:2001**

Identne EN 61058-2-5:1994

ja identne IEC 1058-2-5:1994

**Seadmelülitid. Osa 2-5: Erinõuded ümberlülititele**

This International Standard IEC 1058-2-5 applies to change-over selectors for appliances actuated by hand, by foot, or by other human activity for use in, on, or with, appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

Keel en

Asendatud EVS-EN 61058-2-5:2011

**EVS-EN 61058-2-5:2001/A11:2002**

Identne EN 61058-2-5:1994/A11:2002

**Seadmelülitid. Osa 2-5: Erinõuded ümberlülititele**

This International Standard IEC 1058-2-5 applies to change-over selectors for appliances actuated by hand, by foot, or by other human activity for use in, on, or with, appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

Keel en

Asendatud EVS-EN 61058-2-5:2011

**EVS-EN 61558-2-9:2003**

Identne EN 61558-2-9:2003

ja identne IEC 61558-2-9:2002

**Jõutrafode, elektri edastusseadmete ja muude taoliste toodete ohutus. Osa 2-9: Erinõuded III klassi hõõglamp-käsivalgustite trafodele**

This Part 2-9 of IEC 61558 applies to stationary or portable single-phase air-cooled (natural or forced) associated safety isolating transformers for class III handlamps for tungsten filament lamps, having a rated supply voltage not exceeding 1 000 V a.c., a rated frequency not exceeding 500 Hz and a rated output not exceeding 10 kVA. It has the status of a group safety publication in accordance with IEC Guide 104

Keel en

Asendatud EVS-EN 61558-2-9:2011

**EVS-EN 61558-2-12:2002**

Identne EN 61558-2-12:2001

ja identne IEC 61558-2-12:2000

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-12: Erinõuded püsipingetrafodele**

This part 2 of IEC 61558 is intended to be used in conjunction with IEC 61558-1. This international standard deals with all aspects of safety such as electrical, thermal and mechanical. This part of IEC 61558 applies to stationary or portable, single-phase or polyphase, air-cooled (natural or forced), associated or independent: - constant voltage auto-transformers; - constant voltage separating transformers; - constant voltage isolating transformers; - constant voltage safety isolating transformers; having a rated supply voltage not exceeding 1 000 V a.c., a rated frequency not exceeding 500 Hz, an internal operational frequency not exceeding 30 kHz and no limitation of the rated output. It has the status of a group safety publication in accordance with IEC Guide 104

Keel en

Asendatud EVS-EN 61558-2-12:2011

**EVS-EN 61558-2-20:2002**

Identne EN 61558-2-20:2000

ja identne IEC 61558-2-20:2000

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-20: Erinõuded väikereaktoritele**

This part of IEC 61558 applies to stationary or portable, single-phase or poly-phase, air-cooled (natural or forced) general purpose small reactors, including alternating current, premagnetised and current compensated reactors, independent or associated, having a rated supply voltage not exceeding 1000 V a.c. or d.c. and rated frequency not exceeding 1 MHz, the rated power not exceeding - 2 kVAR a.c. (2 kW d.c.) for single-phase reactors; - 10 kVAR a.c. (10 kW d.c.) for poly-phase reactors. This part 2-20 is intended to be used in conjunction with IEC 61558-1. It has the status of a group safety publication in accordance with IEC Guide 104.

Keel en

Asendatud EVS-EN 61558-2-20:2011

**EVS-EN 61958:2002**

Identne EN 61958:2001

ja identne IEC 61958:2000

**High-voltage prefabricated switchgear and controlgear assemblies - Voltage presence indicating systems**

This International Standard IEC 61958 is applicable to voltage presence indicating systems (VPIS) incorporated in a.c. switchgear and controlgear covered by IEC 60298 or IEC 60466. Voltage presence indicating systems are devices used to provide information to operators about the voltage condition of the main circuit of the switchgear in which they are installed. The indication of VPIS alone is not sufficient to prove that the system is dead: if operating procedures make it mandatory, relevant voltage detectors according to IEC 61243 shall be used. This standard is also applicable to phase comparators specifically designed for use with VPIS.

Keel en

Asendatud EVS-EN 62271-206:2011

**EVS-EN 62246-1:2003**

Identne EN 62246-1:2002

ja identne IEC 62246-1:2002

**Reed contact units - Part 1: Generic specification**

Is a generic specification applying to dry and mercury wetted reed contact units of assessed quality. Lists the tests and measurement procedures which may be selected for use in detail specifications for such units. Specifies the quality assessment procedures to be followed.

Keel en

Asendab EVS-EN 119000:2002

Asendatud EVS-EN 62246-1:2011

**EVS-EN 62246-2:2008**

Identne EN 62246-2:2008

ja identne IEC 62246-2:2007

**Reed contact units -- Part 2: Heavy-duty reed switches**

This part of IEC 62246 applies to the switching performance of heavy-duty reed switches for use in industrial applications based upon Part 1. This part of IEC 62246 specifies reliability tests, rated making and breaking capacities, rated impulse voltages, rated conditional short-circuit currents, temperature rise and construction testing in addition to the requirements of Part 1. Heavy-duty reed switches are glass sealed contact units and include high pressure sealed types. This part of IEC 62246 does not apply to mercury-wetted reed contact units.

Keel en

Asendatud EVS-EN 62246-1:2011

**EVS-EN 62305-1:2007**

Identne EN 62305-1:2006 + AC:2006

ja identne IEC 62305-1:2006

**Piksekaitse. Osa 1: Üldpõhimõtted**

Standardi IEC 62305 käesolevas osas on toodud üldpõhimõtted, mida peab järgima
- nii ehitiste, ehitiste sisaldiste ja seadmestiku kui ka inimeste ning
- ehitisega seotud tehnovõrkude piksekaitsel.
Käesoleva standardi käsitlusalasse ei kuulu
- raudteesüsteemid;
- sõidukid, laevad, lennukid, merre ehitatud rajatised;
- maa-alused kõrgrõhutorustikud;
- torud ning elektri- ja telekommunikatsiooniliinid, mis ei ole ehitistega ühendatud.
Märkus. Tavaliselt rakenduvad nendele süsteemidele vastavate erinevate ametkondade poolt kehtestatud erieeskirjad.

Keel et

Asendab EVS-IEC 61024-1-1:2003

Asendatud EVS-EN 62305-1:2011

**EVS-EN 62305-3:2007**

Identne EN 62305-3:2006+AC:2006

ja identne IEC 62305-3:2006

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsikalised kahjustused ja oht elule**

IEC 62305 käesolev osa esitab nõuded ehitise kaitseks füüsilise kahjustamise vastu piksekaitsesüsteemi (LPS) abil ja elusolendite traumade vältimiseks puute- ning sammupingetega piksekaitsesüsteemi lähedal (vt IEC 62305-1).
Standard on rakendatav:
- ehitiste piksekaitsesüsteemide projekteerimisel, paigaldamisel, ülevaatustel ja hooldustel ilma piiranguteta ehitiste kõrgusele;
- meetmete ettevalmistamisel elusolendite kaitseks puute- ja sammupingetega traumeerimise vastu.
Märkus 1. Plahvatusohu tõttu ümbrusele ohtlike ehitiste piksekaitse-süsteemidele on esitatavad erinõuded ettevalmistamisel. Lisas D on ajutiseks kasutamiseks toodud täiendav informatsioon.
Märkus 2. Käesolev IEC 62305 osa ei käsitle elektri- ja elektroonikasüsteemide kaitset liigpingete tõttu tekkivate rikete vastu. Selleks otstarbeks on erinõuded toodud standardis IEC 62305-4.

Keel et

Asendab EVS-IEC 61024-1:2003; EVS-IEC 61024-1-2:2003

Asendatud EVS-EN 62305-3:2011

**EVS-EN 62305-3:2007/A11:2009**

Identne EN 62305-3:2006/A11:2009

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsikalised kahjustused ja oht elule**

IEC 62305 käesolev osa esitab nõuded ehitise kaitseks füüsilise kahjustamise vastu piksekaitsesüsteemi (LPS) abil ja elusolendite traumade vältimiseks puute- ning sammupingetega piksekaitsesüsteemi lähedal (vt IEC 62305-1). Standard on rakendatav: - ehitiste piksekaitsesüsteemide projekteerimisel, paigaldamisel, ülevaatustel ja hooldustel ilma piiranguteta ehitiste kõrgusele; - meetmete ettevalmistamisel elusolendite kaitseks puute- ja sammupingetega traumeerimise vastu. Märkus 1. Plahvatusohu tõttu ümbrusele ohtlike ehitiste piksekaitse-süsteemidele on esitatavad erinõuded ettevalmistamisel. Lisas D on ajutiseks kasutamiseks toodud täiendav informatsioon. Märkus 2. Käesolev IEC 62305 osa ei käsitle elektri- ja elektroonikasüsteemide kaitset liigpingete tõttu tekkivate rikete vastu. Selleks otstarbeks on erinõuded toodud standardis IEC 62305-4.

Keel et

Asendatud EVS-EN 62305-3:2011

**EVS-EN 62305-3:2007/AC:2008**

Identne EN 62305-3:2006/Corr:2008

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

Keel en

Asendatud EVS-EN 62305-3:2011

**EVS-EN 62305-4:2006**

Identne EN 62305-4:2006+AC:2006

ja identne IEC 62305-4:2006

**Piksekaitse. Osa 4: Ehitiste elektri- ja elektroonikasüsteemid**

Standardi IEC 62305 käesolev osa annab informatsiooni ehitises paiknevate elektri- ja elektroonikasüsteemide välgu elektromagnetilise impulsi (LEMP) vastase kaitseviiside süsteemi (LPMS) projekteerimise, paigaldamise, kontrolli, hoolduse ja katsetamise kohta. See kaitseviiside süsteem on võimeline vähendama välgu elektromagnetilise impulsi poolt põhjustatud püsivate rikete riski. Käesolev standard ei käsitle kaitset välgu poolt tekitatud ja elektroonikasüsteemide väärtalitlust põhjustada võivate elektromagnetiliste häirete vastu. Siiski võib lisas A toodud informatsiooni kasutada ka selliste häirete hindamiseks. Kaitsemeetmeid elektromagnetiliste häirete vastu käsitletakse standardis IEC 60364-4-44 ja standardisarjas IEC 61000. Käesolev standard annab juhtnööre elektri- ja elektroonikasüsteemide projekteerija ning kaitsemeetmete projekteerija vaheliseks koostööks, eesmärgiga saavutada kaitse optimaalne efektiivsus. Käesolev standard ei käsitle elektri- ja elektroonikasüsteemide enda üksikasjalikku projekteerimist.

Keel et

Asendatud EVS-EN 62305-4:2011

**EVS-HD 384.5.523 S2:2003**

Identne HD 384.5.523 S2:2001

ja identne IEC 60364-5-523:1999

**Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Section 523: Current-carrying capacities in wiring systems**

Deals with the selection and erection of wiring systems.

Keel en

Asendatud EVS-HD 60364-5-52:2011

**EVS-HD 384.5.52 S1:2003**

Identne HD 384.5.52 S1:1995 + A1:1998 + AC:1998

ja identne IEC 364-5-52:1993

**Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Chapter 52: Wiring systems**

Deals with the selection and erection of wiring systems

Keel en

Asendatud EVS-HD 60364-5-52:2011

**EVS-IEC 60364-4-42:2003**

ja identne IEC 60364-4-42:2001

**Ehitiste elektripaigaldised. Osa 4-42: Kaitseviisid. Kaitse kuumustoime eest**

Inimesed, kohtkindlad seadmed ja elektriseadmete läheduses olevad materjalid peavad olema kaitstud elektriseadmete kahjuliku kuumustoime ja soojuskiirguse eest, eriti aga järgmiste toimete eest: · materjalide süttimine või keemiline lagunemine; · põletusoht; · paigaldatud seadmete turvalisuse halvenemine.

Keel et

Asendatud EVS-HD 60364-4-42:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**EN 60947-5-2:2008/FprA1**

Identne EN 60947-5-2:2007/FprA1:2011

ja identne IEC 60947-5-2:2007/prA1:201X

Tähtaeg 30.05.2011

**Madalpingelised lülitus- ja juhtimisaparaadid. Osa 5-2: Juhtimisahelaseadmed ja lülituselemendid. Läheduslülitid**

This part of IEC 60947 applies to inductive and capacitive proximity switches that sense the presence of metallic and/or non-metallic objects, ultrasonic proximity switches that sense the presence of sound reflecting objects, photoelectric proximity switches that sense the presence of objects and non-mechanical magnetic proximity switches that sense the presence of objects with a magnetic field. These proximity switches are self-contained, have semiconductor switching elements(s) and are intended to be connected to circuits, the rated voltage of which does not exceed 250 V 50 Hz/60 Hz a.c. or 300 V d.c. This Standard is not intended to cover proximity switches with analogue outputs.

Keel en

**EN 62035:2001/FprA2**

Identne EN 62035:2000/FprA2:2011

ja identne IEC 62035:1999/A2:201X

Tähtaeg 30.05.2011

**Lahenduslambid (väljaarvatult luminofoorlambid). Ohutusnõuded**

This International Standard specifies the safety requirements for discharge lamps (excluding fluorescent lamps) for general lighting purposes. This International Standard is applicable to low-pressure sodium vapour lamps and to high intensity discharge (HID) lamps, i.e. high-pressure mercury vapour lamps (including blended double-capped lamps, having caps as listed in annex A. The requirements of this standard relate only to type testing. Conditions of compliance, including methods of statistical assessment, are under condiseration.

Keel en

**EN 62271-100:2009/FprA1**

Identne EN 62271-100:2009/FprA1:2011

ja identne IEC 62271-100:2008/prA1:201X

Tähtaeg 30.05.2011

**High-voltage switchgear and controlgear - Part 100: Alternating-current circuitbreakers**

This part of IEC 62271 is applicable to a.c. circuit-breakers designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 000 V. It is only applicable to three-pole circuit-breakers for use in three-phase systems and single-pole circuit-breakers for use in single-phase systems. Two-pole circuit-breakers for use in single-phase systems and application at frequencies lower than 50 Hz are subject to agreement between manufacturer and user.

Keel en

**FprEN 62217**

Identne FprEN 62217:2011

ja identne IEC 62217:201X

Tähtaeg 30.05.2011

**Polymeric HV insulators for indoor and outdoor use - general definitions, test methods and acceptance criteria**

This International Standard is applicable to polymeric insulators whose insulating body consists of one or various organic materials. Polymeric insulators covered by this standard include both solid core and hollow insulators. They are intended for use on HV overhead lines and in indoor and outdoor equipment. The object of this standard is – to define the common terms used for polymeric insulators; – to prescribe common test methods for design tests on polymeric insulators; – to prescribe acceptance or failure criteria, if applicable; These tests, criteria and recommendations are intended to ensure a satisfactory life-time under normal operating and environmental conditions (see 5). This standard shall only be applied in conjunction with the relevant product standard.

Keel en

Asendab EVS-EN 62217:2006; EVS-EN 62217:2006/AC:2006

**FprEN 50563**

Identne FprEN 50563:2011

Tähtaeg 30.05.2011

**External a.c. - d.c. and a.c. - a.c. power supplies – Determination of no-load power and average efficiency of active modes**

This draft European Standard specifies methods of measurement of electrical power consumption, and the reporting of results, for external power supplies. This standard is applicable to external power supplies with a rated input voltage within the range 100 V a.c. to 250 V a.c. having a single output with a rated output power not exceeding 250 W and a rated output voltage not exceeding 230 V a.c. or 325 V d.c. The output voltage may be either at a fixed voltage, or at a voltage which is user selectable, or at a voltage that is automatically selectable by the external power supply so as to be compatible with one or more product-loads.

Keel en

**FprEN 60038**

Identne FprEN 60038:2011

ja identne IEC 60038:2009

Tähtaeg 30.05.2011

**CENELEC standard voltages**

This publication applies to - a.c. transmission, distribution and utilization systems and equipment for use in such systems with - standard frequency 50 Hz having a nominal voltage above 100 V; - a.c. and d.c. traction systems; - a.c. and d.c. equipment having nominal voltages below 120 V a.c. or below 750 V d.c., the a.c. - voltages being intended (but not exclusively) for 50 Hz applications; such equipment covers - batteries (from primary or secondary cells), other power supply devices (a.c. or d.c.), electrical - equipment (including industrial and communication), and appliances.

Keel en

**FprEN 60079-0**

Identne FprEN 60079-0:2011

ja identne IEC 60079-0:201X

Tähtaeg 30.05.2011

**Plahvatusohtlikud keskkonnad. Osa 0: Seadmed. Üldnõuded**

This part of IEC 60079 specifies the general requirements for construction, testing and marking of electrical equipment and Ex Components intended for use in explosive atmospheres. The standard atmospheric conditions (relating to the explosion characteristics of the atmosphere) under which it may be assumed that electrical equipment can be operated are. - temperature –20 °C to +60 °C; - pressure 80 kPa (0,8 bar) to 110 kPa (1,1 bar); and - air with normal oxygen content, typically 21 % v/v. This standard and other standards supplementing this standard specify additional test requirements for equipment operating outside the standard temperature range, but further additional consideration and additional testing may be required for equipment operating outside the standard atmospheric pressure range and standard oxygen content, particularly with respect to types of protection that depend on quenching of a flame such as ‘flameproof enclosure “d”’ (IEC 60079-1) or limitation of energy, ‘intrinsic safety “i”’ (IEC 60079-11).

Keel en

Asendab EVS-EN 60079-0:2009

**FprEN 60317-60**

Identne FprEN 60317-60:2011

ja identne IEC 60317-60:201X

Tähtaeg 30.05.2011

**Specifications for particular types of winding wires - Part 60: Polyester glass fibres wound, resin or varnish impregnated or not impregnated, bare or enamelled rectangular copper wire, temperature index 155**

This part of IEC 60317 specifies requirements of polyester glass fibres wound impregnated or not impregnated, bare or enamelled rectangular copper winding wire, temperature index 155.

Keel en

**FprEN 60317-61**

Identne FprEN 60317-61:2011

ja identne IEC 60317-61:201X

Tähtaeg 30.05.2011

**Specifications for particular types of winding wires - Part 61: Polyester glass fibres wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180**

This part of IEC 60317 specifies requirements of polyester glass fibres wound impregnated, bare or enamelled rectangular copper winding wire, temperature index 180.

Keel en

**FprEN 60317-62**

Identne FprEN 60317-62:2011

ja identne IEC 60317-62:201X

Tähtaeg 30.05.2011

**Specifications for particular types of winding wires - Part 62: Polyester glass fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200**

This part of IEC 60317 specifies requirements of polyester glass fibre wound impregnated, bare or enamelled rectangular copper winding wire, temperature index 200.

Keel en

**FprEN 60669-2-6**

Identne FprEN 60669-2-6:2011

ja identne IEC 60669-2-6:201X

Tähtaeg 30.05.2011

**Switches for household and similar fixed electrical installations - Part 2-6: Fireman's switches for exterior and interior signs and luminaires**

This Part of IEC 60669 applies to fireman's switches used for the breaking of the low voltage circuits for exterior and interior signs and luminaires e.g. neon signs for a.c. only with a rated voltage not exceeding 440 V and a rated current not exceeding 125 A.

Keel en

Asendab EVS-EN 50425:2008

**FprEN 61439-4**

Identne FprEN 61439-4:2011

ja identne IEC 61439-4:201X

Tähtaeg 30.05.2011

**Low-voltage switchgear and controlgear assemblies - Part 4: Assemblies for construction sites (ACS)**

This standard defines the specific requirements of ACS as follows: – ASSEMBLIES for which the rated voltage does not exceed 1 000 V in case of a.c. or 1 500 V in case of d.c.; – ASSEMBLIES where the nominal primary voltage and the nominal secondary voltage of transformers incorporated in ACS are within the limits specified above – ASSEMBLIES intended for use on construction sites, i.e. temporary places of work to which the public do not generally have access and where building construction, installation, repairs, alteration or demolition of property (buildings) or civil engineering (public works) or excavation or any other similar operations are carried out; – transportable (semi-fixed) or mobile ASSEMBLIES with enclosure; The manufacture and/or assembly may be carried out other than by the original manufacturer. This standard does not apply to individual devices and self-contained components, such as motor starters, fuse switches, electronic equipment, etc. which will comply with the relevant product standards. This standard does not apply to ASSEMBLIES for use in the administrative centres of construction sites (offices, cloakrooms, ASSEMBLY rooms, canteens, restaurants, dormitories, toilets, etc.). Requirements for electrical protection provided by equipment manufactured according to this International Standard shall comply with the requirements given in IEC 60364-7-704.

Keel en

Asendab EVS-EN 60439-4:2005

**FprEN 62109-2**

Identne FprEN 62109-2:2011

ja identne IEC 62109-2:201X

Tähtaeg 30.05.2011

**Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters**

This Part 2 of IEC 62109 covers the particular safety requirements relevant to d.c. to a.c. inverter products as well as products that have or perform inverter functions in addition to other functions, where the inverter is intended for use in photovoltaic power systems. Inverters covered by this standard may be grid-interactive, stand-alone, or multiple mode inverters, may be supplied by single or multiple photovoltaic modules grouped in various array configurations, and may be intended for use in conjunction with batteries or other forms of energy storage. Inverters with multiple functions or modes shall be judged against all applicable requirements for each of those functions and modes.

Keel en

**FprEN 62271-101**

Identne FprEN 62271-101:2011

ja identne IEC 62271-101:201X

Tähtaeg 30.05.2011

**High-voltage switchgear and controlgear - Part 101: Synthetic testing**

This part of IEC 62271 mainly applies to a.c. circuit-breakers within the scope of IEC 62271- 100. It provides the general rules for testing a.c. circuit-breakers, for making and breaking capacities over the range of test duties described in 6.102 to 6.111 of IEC 62271-100, by synthetic methods.

Keel en

Asendab EVS-EN 62271-101:2006; EVS-EN 62271-101:2006/A1:2010

**FprEN 62271-105**

Identne FprEN 62271-105:2011

ja identne IEC 62271-105:201X

Tähtaeg 30.05.2011

**High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV**

This part of IEC 62271 applies to three-pole units for public and industrial distribution systems which are functional assemblies of switches including switch-disconnectors and currentlimiting fuses designed so as to be capable of - breaking, at the rated recovery voltage, any current up to and including the rated shortcircuit breaking current; - making, at the rated voltage, circuits to which the rated short-circuit breaking current applies. It does not apply to fuse-circuit-breakers, fuse-contactors, combinations for motor-circuits or to combinations incorporating single capacitor bank switches. In this standard, the word “combination” is used for a combination in which the components constitute a functional assembly. Each association of a given type of switch and a given type of fuse defines one type of combination.

Keel en

Asendab EVS-EN 62271-105:2003

**FprEN 62271-107**

Identne FprEN 62271-107:2011

ja identne IEC 62271-107:201X

Tähtaeg 30.05.2011

**High-voltage switchgear and controlgear - Part 107: Alternating current fused circuitswitchers for rated voltages above 1 kV up to and including 52 kV**

This part of IEC 62271 applies to three-pole operated units for distribution systems that are functional assemblies of a circuit-switcher and current-limiting fuses designed so as to be capable of: - breaking, at the rated recovery voltage, any load or fault current up to and including the rated short-circuit breaking current; - making, at the rated voltage, circuits to which the rated short-circuit breaking current applies. They are intended to be used for circuits or applications requiring only a normal mechanical and electrical endurance capability. Such applications cover protection of HV/LV transformers for instance, but exclude distribution lines or cables, as well as motor circuits and capacitor bank circuits. Short-circuit conditions with low currents, up to the fused circuit-switcher rated take-over current, are dealt with by supplementary devices (strikers, relays, etc.), properly arranged, tripping the circuit-switcher. Fuses are incorporated in order to ensure that the short-circuit breaking capacity of the device is above that of the circuit-switcher.

Keel en

Asendab EVS-EN 62271-107:2005

**FprEN 62271-110**

Identne FprEN 62271-110:2011

ja identne IEC 62271-110:201X

Tähtaeg 30.05.2011

**High-voltage switchgear and controlgear - Part 110: Inductive load switching**

This part of IEC 62271 is applicable to a.c. circuit-breakers designed for indoor or outdoor installation, for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1000 V and applied for inductive current switching with or without additional short-circuit current breaking duties. The standard is applicable to circuit-breakers in accordance with IEC 62271-100 that are used to switch high-voltage motor currents and shunt reactor currents and also to high-voltage contactors used to switch high-voltage motor currents as covered by IEC 62271-1062.

Keel en

Asendab EVS-EN 62271-110:2009

**FprEN 62641**

Identne FprEN 62641:2011

ja identne IEC 62641:201X

Tähtaeg 30.05.2011

**Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors**

This standard is applicable to aluminium and aluminium alloy wires for the manufacture of concentric lay overhead electrical stranded conductors with or without gap(s) for power transmission purposes. It specifies the mechanical and electrical properties of round and formed wires for equivalent diameters up to 5,00 mm for thermal resistant alloys, and up to 5,50 mm for other aluminium alloys. The various alloys and their designations are listed in Table 1. For calculation purposes the values listed in Table 1 shall be used.

Keel en

**prEN 13237**

Identne prEN 13237:2011

Tähtaeg 30.05.2011

**Plahvatusohtlikud keskkonnad. Plahvatusohtlikus keskkonnas kasutamiseks mõeldud seadmete ja kaitsesüsteemide mõisted ja määratlused**

This European Standard specifies terms and definitions (vocabulary) to be used in suitable standards dealing with equipment and protective systems intended for use in potentially explosive atmospheres.

Keel en

Asendab EVS-EN 13237:2003

**prEN 50152-1**

Identne prEN 50152-1:2011

Tähtaeg 30.05.2011

**Railway applications - Fixed installations - Particular requirements for alternating current switchgear - Part 1: Circuit-breakers with nominal voltage above 1 kV**

This EN 50152-1 is applicable to single-pole and two-pole alternating current (a.c.) circuit-breakers which are - for indoor or outdoor fixed installations in tractions systems, and - operated with an a.c. line voltage and frequency as specified in EN 50163.

Keel en

Asendab EVS-EN 50152-1:2008

**prEN 50152-2**

Identne prEN 50152-2:2011

Tähtaeg 30.05.2011

**Railway applications - Fixed installations - Particular requirements for alternating current switchgear - Part 2: Disconnectors, earthing switches and switches with nominal voltage above 1 kV**

This EN 50152-2 is applicable to single-pole and two-pole alternating current (a.c.) disconnectors, earthing switches and switches which are: - Designed for indoor or outdoor fixed installations in tractions systems, and - operated with an a.c. line voltage and frequency as specified in EN 50163.

Keel en

Asendab EVS-EN 50152-2:2008

## 31 ELEKTROONIKA

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 60749-23:2004/A1:2011**

Hind 4,35

Identne EN 60749-23:2004/A1:2011

ja identne IEC 60749-23:2004/A1:2011

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

This test is used to determine the effects of bias conditions and temperature on solid state devices over time. It simulates the device operating condition in an accelerated way, and is primarily used for device qualification and reliability monitoring.

Keel en

**EVS-EN 62132-2:2011**

Hind 10,61

Identne EN 62132-2:2011

ja identne IEC 62132-2:2010

**Integrated circuits - Measurement of electromagnetic immunity - Part 2: Measurement of radiated immunity - TEM cell and wideband TEM cell method**

This International Standard specifies a method for measuring the immunity of an integrated circuit (IC) to radio frequency (RF) radiated electromagnetic disturbances. The frequency range of this method is from 150 kHz to 1 GHz, or as limited by the characteristics of the TEM cell.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 60297-3-107**

Identne FprEN 60297-3-107:2011

ja identne IEC 60297-3-107:201X

Tähtaeg 30.05.2011

**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series - Part 3-107: Dimensions of subracks and plug-in units, small form factor**

This standard defines the interface dimensions between subracks and associated plug-in units using connectors as defined in PICMG-MTCA.0 (Fixed board, see Fig. 7) and IEC 61076-4-116 (Two part, see Fig. 12) and other two part connectors, (see Fig. 15). For mechanical and climatic tests refer to IEC 61587-1. For electromagnetic shielding performance tests refer to IEC TS 61587-3.

Keel en

**FprEN 60544-5**

Identne FprEN 60544-5:2011

ja identne IEC 60544-5:201X

Tähtaeg 30.05.2011

**Electrical insulating materials - Determination of the effects of ionizing radiation - Part 5: Procedures for assessment of ageing in service**

This guide covers ageing assessment methods which can be applied to components based on polymeric materials (e.g. cable insulation and jackets, elastomeric seals, polymeric coatings, gaiters) which are used in environments where they are exposed to radiation. This document is aimed at providing methods for the assessment of ageing in service. The approaches discussed in the following clauses cover ageing assessment programmes based on condition monitoring (CM), the use of sample deposits in severe environments and sampling of real-time aged components.

Keel en

Asendab EVS-EN 60544-5:2003

**FprEN 61076-3-110**

Identne FprEN 61076-3-110:2011

ja identne IEC 61076-3-110:201X

Tähtaeg 30.05.2011

**Connectors for electronic equipment - Product requirements - Part 3-110: Detail specification for shielded, free and fixed connectors for data transmission with frequencies up to 1 000 MHz**

Detail specification, part of IEC 61076-3, for IEC 61076-3-110, two-part connector. This detail specification covers mechanical and environmental requirements, and electrical transmission requirements for frequencies up to 1000 MHz. These connectors can be used as category 7A connectors in class FA cabling systems specified in IS0/IEC IS 11801:2002 Amd 1:2009.1 The connectors are intermateable with IEC 60603-7-X series connectors.2 The connectors are interoperable with IEC 60603-7-7 and IEC 60603-7-71 connectors.3 The connectors are backward compatible with IEC 60603-7-7 and IEC 60603-7-71 connectors.4

Keel en

Asendab EVS-EN 61076-3-110:2008

**FprEN 61076-4-116**

Identne FprEN 61076-4-116:2011

ja identne IEC 61076-4-116:201X

Tähtaeg 30.05.2011

**Connectors for electronic equipment - Product requirements - Part 4-116: Printed board connectors - Detail specification for a high-speed two-part connector with integrated shielding function**

This International Standard establishes specifications and test requirements for a high-speed two-part connector with integrated shielding function for use as a printed board connector in industrial environments. The connectors connect a backplane to printed boards.

Keel en

**FprEN 61988-2-5**

Identne FprEN 61988-2-5:2011

ja identne IEC 61988-2-5:201X

Tähtaeg 30.05.2011

**Plasma Display Panels - Part 2-5: Measuring methods - Acoustic noise**

This part of IEC 61988 determines the following measuring methods for characterizing the performance of plasma display modules (PDP modules): Acoustic noise

Keel en

**FprEN 61988-4-2**

Identne FprEN 61988-4-2:2011

ja identne IEC 61988-4-2:201X

Tähtaeg 30.05.2011

**Plasma Display Panels - Part 4-2: Panel strength measuring methods**

This part of IEC 61988 defines testing methods for evaluating mechanical characteristics of plasma display modules (PDP modules) in the following areas: a) Ball drop breaking strength of panels; b) Partial heating strength of panels.

Keel en

**FprEN 62056-8-3**

Identne FprEN 62056-8-3:2011

ja identne IEC 62056-8-3:201X

Tähtaeg 30.05.2011

**Electricity metering data exchange - The DLMS/COSEM suite - Part 8-3: The PLC SFSK profile for neighbourhood networks**

This International Standard specifies the DLMS/COSEM PLC S-SFK profile for neighbourhood networks. It uses standards established by IEC TC57 in the IEC 61334 series, Distribution automation using distribution line carrier systems and it specifies extensions to some of those standards.

Keel en

**FprEN 62056-9-7**

Identne FprEN 62056-9-7:2011

ja identne IEC 62056-9-7:201X

Tähtaeg 30.05.2011

**Electricity metering data exchange - The DLMS/COSEM suite - Part 9-7: Communication profile for TCP-UDP/IP networks**

This part of IEC 62056 specifies the DLMS/COSEM communication profile for TCP-UDP/IP networks. It constitutes a revision of IEC 62056-53 Ed.2:2006, Electricity metering – Data exchange for meter reading, tariff and load control – Part 53: COSEM application layer, Annex B.3.

Keel en

## 33 SIDETEHNIKA

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 60268-7:2011**

Hind 15,53

Identne EN 60268-7:2011

ja identne IEC 60268-7:2010

**Sound system equipment - Part 7: Headphones and earphones**

This part of IEC 60268, is applicable to headphones, headsets, earphones and earsets, intended to be used on, or in, the human ear. It also applies to equipment, such as pre-amplifiers, passive networks and power supplies which form an integral part of the headphone system. It does not deal with: a) safety, for which reference should be made to IEC 60065 or another appropriate standard; b) the characteristics of microphones of headsets, for which reference should be made to IEC 60268-4; c) earphones and other devices for hearing aids, for which reference should be made to IEC 60118-0; d) headphones for audiometry; e) headphones and other devices which form part of an active ear-defender system, although some of its provisions may be applicable. This standard specifies the characteristics which should be included by the manufacturer in specifications, and relevant methods of measurement. It includes a classification of the different types of earphone, mainly characterized by the way in which the transducer is coupled acoustically to the ear, and a classification code which may also be used for marking.

Keel en

Asendab EVS-EN 60268-7:2003

**EVS-EN 60461:2011**

Hind 14,64

Identne EN 60461:2011

ja identne IEC 60461:2010

**Time and control code**

This International Standard specifies a digital time and control code for use in television, film, and accompanying audio systems operating at nominal rate of 60, 59,94, 50, 30, 29,97, 25, 24 and 23,98 frames per second. This International Standard specifies a time address, binary groups, and flag bit structure. In addition, the standard specifies a binary group flag assignment, a linear time code transport, and a vertical interval time code transport. This International Standard defines primary data transport structures for linear time code (LTC) and vertical interval time code (VITC). This standard specifies the LTC modulation and timing for all video formats. This standard also defines the VITC modulation and location for 525/59,94 and 625/50 analogue composite and component systems only.

Keel en

Asendab EVS-EN 60461:2003

**EVS-EN 60728-3:2011**

Hind 17,32

Identne EN 60728-3:2011

ja identne IEC 60728-3:2010

**Televisioonisignaalide, helisignaalide ja interaktiivsete teenuste kaabelvõrgud Osa 3: Aktiivsed lairiba seadmed kaabelvõrkudele**

This part of IEC 60728 lays down the measuring methods, performance requirements and data publication requirements for active wideband equipment of cable networks for television signals, sound signals and interactive services. This standard - applies to all broadband amplifiers used in cable networks; - covers the frequency range 5 MHz to 3 000 MHz; NOTE The upper limit of 3 000 MHz is an example, but not a strict value. The frequency range, or ranges, over which the equipment is specified, should be published. - applies to one-way and two-way equipment; - lays down the basic methods of measurement of the operational characteristics of the active equipment in order to assess the performance of this equipment; - identifies the performance specifications to be published by the manufacturers; - states the minimum performance requirements of certain parameters. Amplifiers are divided into the following two quality levels: Grade 1: amplifiers typically intended to be cascaded; Grade 2: amplifiers for use typically within an apartment block, or within a single residence, to feed a few outlets. Practical experience has shown that these types meet most of the technical requirements necessary for supplying a minimum signal quality to the subscribers. This classification is not a requirement but is provided to users and manufacturers for information about minimum quality criteria of the material required to install networks of different sizes. The system operator has to select appropriate material to meet the minimum signal quality at the subscriber’s outlet, and to optimise cost/performance, taking into account the size of the network and local circumstances. All requirements and published data are understood as guaranteed values within the specified frequency range and in well-matched conditions.

Keel en

Asendab EVS-EN 60728-3:2008

**EVS-EN 60793-1-30:2011**

Hind 7,29

Identne EN 60793-1-30:2011

ja identne IEC 60793-1-30:2010

**Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test**

This part of IEC 60793 describes procedures for briefly applying a specified tensile load as a proof test to continuous lengths of optical fibre. The tensile load is applied for as short a time as possible, yet sufficiently long to ensure the glass experiences the proof stress, typically much less than one second. This method is applicable to types A1, A2, A3 and B optical fibres. The object of this standard is to establish uniform requirements for the mechanical characteristic fibre proof test.

Keel en

Asendab EVS-EN 60793-1-30:2003

**EVS-EN 60793-2-40:2011**

Hind 13,36

Identne EN 60793-2-40:2011

ja identne IEC 60793-2-40:2009

**Optical fibres - Part 2-40: Product specifications Sectional specification for category A4 multimode fibres**

This part of IEC 60793-2 is applicable to optical fibre categories A4a, A4b, A4c, A4d, A4e, A4f, A4g and A4h. These fibres have a plastic core and plastic cladding and may have stepindex, multi-step index, or graded-index profiles. The fibres are used in information transmission equipment and optical fibre cables. Table 1 summarizes some of the salient characteristics and applications of these fibres.

Keel en

Asendab EVS-EN 60793-2-40:2006

**EVS-EN 61000-6-3:2007+A1:2011**

Hind 10,61

Identne EN 61000-6-3:2007 + EN 61000-6-3:2007/A1:2011

ja identne IEC 61000-6-3:2006 + IEC 61000-6-3:2006/A1:2010

**Elektromagnetiline ühilduvus. Osa 6-3: Erialased põhistandardid. Olme-, kaubandus- ja väiketööstuskeskkondade emissioonistandard**

Standardi IEC 61000 käesolev, elektromagnetilise ühilduvuse nõudeid emissiooni piiramisel käsitlev osa kehtib elektri- ja elektroonikaseadmete kohta, mis on ette nähtud kasutamiseks olme-, kaubandus- ja väiketööstuskeskkondades. EE märkus. Elektromagnetilise ühilduvuse kohta kehtestatud Euroopa Parlamendi ja Nõukogu direktiivis 2004/108/EÜ mõistetakse seadme all kas üksikseadet või tervikuna müügile toodavaid seadmekoosteid ja eri seadmetest ning muudest osadest koosnevaid kohtkindlaid paigaldisi, mis võivad tekitada elektromagnetilisi häiringuid või mille talitlust elektromagnetilised häiringud võivad mõjutada. Emissioonipiiramisnõuded haaravad sagedusvahemikku 0 Hz kuni 400 GHz. Sagedustel, mille puhul mingeid nõudeid ei esitata, ei ole mõõtmisi vaja sooritada.Käesolevat elektromagnetilise emissiooni põhistandardit rakendatakse siis, kui vastava toote või tootesarja kohta ei ole oma emissioonistandardit. Käesolev standard kehtib seadmete kohta, mis on ette nähtud vahetuks ühendamiseks avalikku madalpingevõrku või mis on ühendatud avaliku madalpingevõrgu ja seadme vahel ettenähtava alalispingeallikaga. Standard kehtib ka seadmete kohta, mida toidetakse galvaanielemendi- või akupatareist või mitteavalikust, kuid mitte tööstuslikust madalpingelisest jaotussüsteemist, kui need seadmed on ette nähtud kasutamiseks alljärgnevalt kirjeldatud paikades. Käesolev standard käsitleb olme-, kaubandus- ja väiketööstuskeskkondi nii siseruumides kui ka väljas. Keskkondade arvessevõetavaid paiknemiskohti iseloomustab järgmine mitteammendav loetelu: • elukohaomandid nagu nt elamud ja korterid; • jaemüügikohad nagu nt poed ja kaubamajad; • ärikinnistud nagu nt kontorid ja pangad; • avalike etenduste paigad nagu nt kinod, avalikud baarid ja tantsusaalid; • välispaigad nagu nt tanklad, parklad, lõbustus- ja spordikeskused; • väiketööstus- ja tööonduspaigad nagu nt töökojad, laboratooriumid ja teeninduskeskused. Paiku, mida toidetakse madalpingel vahetult avalikust elektrivõrgust, loetakse olme-, kaubandus- või väiketööstuspaikadeks.

Keel et

**EVS-EN 61000-6-3:2007/A1:2011**

Hind 8,63

Identne EN 61000-6-3:2007/A1:2011

ja identne IEC 61000-6-3:2006/A1:2010

**Elektromagnetiline ühilduvus. Osa 6-3: Erialased põhistandardid. Olme-, kaubandus- ja väiketööstuskeskkondade emissioonistandard**

Standardi IEC 61000 käesolev, elektromagnetilise ühilduvuse nõudeid emissiooni piiramisel käsitlev osa kehtib elektri- ja elektroonikaseadmete kohta, mis on ette nähtud kasutamiseks olme-, kaubandus- ja väiketööstuskeskkondades. EE märkus. Elektromagnetilise ühilduvuse kohta kehtestatud Euroopa Parlamendi ja Nõukogu direktiivis 2004/108/EÜ mõistetakse seadme all kas üksikseadet või tervikuna müügile toodavaid seadmekoosteid ja eri seadmetest ning muudest osadest koosnevaid kohtkindlaid paigaldisi, mis võivad tekitada elektromagnetilisi häiringuid või mille talitlust elektromagnetilised häiringud võivad mõjutada. Emissioonipiiramisnõuded haaravad sagedusvahemikku 0 Hz kuni 400 GHz. Sagedustel, mille puhul mingeid nõudeid ei esitata, ei ole mõõtmisi vaja sooritada.Käesolevat elektromagnetilise emissiooni põhistandardit rakendatakse siis, kui vastava toote või tootesarja kohta ei ole oma emissioonistandardit. Käesolev standard kehtib seadmete kohta, mis on ette nähtud vahetuks ühendamiseks avalikku madalpingevõrku või mis on ühendatud avaliku madalpingevõrgu ja seadme vahel ettenähtava alalispingeallikaga. Standard kehtib ka seadmete kohta, mida toidetakse galvaanielemendi- või akupatareist või mitteavalikust, kuid mitte tööstuslikust madalpingelisest jaotussüsteemist, kui need seadmed on ette nähtud kasutamiseks alljärgnevalt kirjeldatud paikades. Käesolev standard käsitleb olme-, kaubandus- ja väiketööstuskeskkondi nii siseruumides kui ka väljas. Keskkondade arvessevõetavaid paiknemiskohti iseloomustab järgmine mitteammendav loetelu: • elukohaomandid nagu nt elamud ja korterid; • jaemüügikohad nagu nt poed ja kaubamajad; • ärikinnistud nagu nt kontorid ja pangad; • avalike etenduste paigad nagu nt kinod, avalikud baarid ja tantsusaalid; • välispaigad nagu nt tanklad, parklad, lõbustus- ja spordikeskused; • väiketööstus- ja tööonduspaigad nagu nt töökojad, laboratooriumid ja teeninduskeskused. Paiku, mida toidetakse madalpingel vahetult avalikust elektrivõrgust, loetakse olme-, kaubandus- või väiketööstuspaikadeks.

Keel et

**EVS-EN 61000-6-4:2007+A1:2011**

Hind 9,27

Identne EN 61000-6-4:2007+EN 61000-6-4:2007/A1:2011

ja identne IEC 61000-6-4:2006 + IEC 61000-6-4:2006/Amd 1:2010

**Elektromagnetiline ühilduvus. Osa 6-4: Erialased põhistandardid. Tööstuskeskkondade emissioonistandard**

Standardi IEC 61000 käesolev, elektromagnetilise ühilduvuse nõudeid emissiooni piiramisel käsitlev osa kehtib elektri- ja elektroonikaseadmete kohta, mis on ette nähtud kasutamiseks allpool kirjeldatud tööstuskeskkondades.EE märkus. Elektromagnetilise ühilduvuse kohta kehtestatud Euroopa Parlamendi ja Nõukogu direktiivis 2004/108/EÜ mõistetakse seadme all kas üksikseadet või tervikuna müügile toodavaid seadmekoosteid ja eri seadmetest ning muudest osadest koosnevaid kohtkindlaid paigaldisi, mis võivad tekitada elektromagnetilisi häiringuid või mille talitlust elektromagnetilised häiringud võivad mõjutada. Emissioonipiiramisnõuded haaravad sagedusvahemikku 0 Hz kuni 400 GHz. Sagedustel, mille puhul mingeid nõudeid ei esitata, ei ole mõõtmisi vaja sooritada.Käesolevat elektromagnetilise emissiooni põhistandardit rakendatakse siis, kui vastava toote või tootesarja kohta ei ole oma emissioonistandardit.Käesolev standard kehtib seadmete kohta, mis on ette nähtud ühendamiseks kõrge- või keskpingetrafost toidetavasse, tootmis- või muu taolise ettevõtte elektripaigaldist varustavasse jõuvõrku ning mis talitlevad allpool kirjeldatud tööstuspaikades või nende läheduses. Standard kehtib ka seadmete kohta, mida toidetakse galvaanielemendi- või akupatareist või mitteavalikust ning on ette nähtud kasutamiseks tööstuspaikades.Käesolev standard hõlmab tööstuskeskkondi nii siseruumides kui ka väljas. Tööstuslikke paiku iseloomustavad lisaks muule üks või mitu järgmistest asjaoludest: • tööstus-, teadus- ja meditsiiniseadmete (standardis CISPR 11 defineeritud ISM-seadmete) olemasolu; • suurte induktiiv- või mahtuvuskoormuste sage lülitamine; • voolude ja nendega seotud magnetväljade suur tugevus.

Keel et

**EVS-EN 61000-6-4:2007/A1:2011**

Hind 7,93

Identne EN 61000-6-4:2007/A1:2011

ja identne IEC 61000-6-4:2006/A1:2010

**Elektromagnetiline ühilduvus. Osa 6-4: Erialased põhistandardid. Tööstuskeskkondade emissioonistandard**

Standardi IEC 61000 käesolev, elektromagnetilise ühilduvuse nõudeid emissiooni piiramisel käsitlev osa kehtib elektri- ja elektroonikaseadmete kohta, mis on ette nähtud kasutamiseks allpool kirjeldatud tööstuskeskkondades.EE märkus. Elektromagnetilise ühilduvuse kohta kehtestatud Euroopa Parlamendi ja Nõukogu direktiivis 2004/108/EÜ mõistetakse seadme all kas üksikseadet või tervikuna müügile toodavaid seadmekoosteid ja eri seadmetest ning muudest osadest koosnevaid kohtkindlaid paigaldisi, mis võivad tekitada elektromagnetilisi häiringuid või mille talitlust elektromagnetilised häiringud võivad mõjutada. Emissioonipiiramisnõuded haaravad sagedusvahemikku 0 Hz kuni 400 GHz. Sagedustel, mille puhul mingeid nõudeid ei esitata, ei ole mõõtmisi vaja sooritada.Käesolevat elektromagnetilise emissiooni põhistandardit rakendatakse siis, kui vastava toote või tootesarja kohta ei ole oma emissioonistandardit.Käesolev standard kehtib seadmete kohta, mis on ette nähtud ühendamiseks kõrge- või keskpingetrafost toidetavasse, tootmis- või muu taolise ettevõtte elektripaigaldist varustavasse jõuvõrku ning mis talitlevad allpool kirjeldatud tööstuspaikades või nende läheduses. Standard kehtib ka seadmete kohta, mida toidetakse galvaanielemendi- või akupatareist või mitteavalikust ning on ette nähtud kasutamiseks tööstuspaikades.Käesolev standard hõlmab tööstuskeskkondi nii siseruumides kui ka väljas. Tööstuslikke paiku iseloomustavad lisaks muule üks või mitu järgmistest asjaoludest: • tööstus-, teadus- ja meditsiiniseadmete (standardis CISPR 11 defineeritud ISM-seadmete) olemasolu; • suurte induktiiv- või mahtuvuskoormuste sage lülitamine; • voolude ja nendega seotud magnetväljade suur tugevus.

Keel et

**EVS-EN 61169-18:2011**

Hind 11,38

Identne EN 61169-18:2011

ja identne IEC 61169-18:2011

**Radio-frequency connectors - Part 18: Sectional specification - Radio frequency coaxial connectors of type SSMA**

SSMA series connectors with characteristic impedance 50 Ω are used for millimeter wave applications, connecting with RF cables or micro strips. The operating frequency limit is up to 35 GHz. The coupling thread is 10-36 UNS thread. This sectional specification provides information and rules for preparation of detail specification of SSMA series R.F connectors together with the pro-forma blank detail specification. It also prescribes mating face dimensions for grade 1 high performance connectors, dimensional detail of grade 0 standard test connectors, gauging information and tests selected from IEC 61169-1 applicable to all detail specifications relating to SSMA series RF connectors. This specification indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.

Keel en

**EVS-EN 61169-19:2011**

Hind 11,38

Identne EN 61169-19:2011

ja identne IEC 61169-19:2011

**Radio-frequency connectors - Part 19: Sectional specification - Radio frequency coaxial connectors of type SSMB**

The SSMB series connectors with characteristic impedance 50 Ω are one kind of low power miniature connectors with snap-on coupling mechanism and have the characteristics of light weight, small size, convenient connection and excellent characteristics. This connector range is suitable for the standard ranges of flexible and semi-rigid cables and is also available as a PCB mounted version. The connectors are usable up to a frequency of 3 GHz. This sectional specification provides information and rules for preparation of detail specification of SSMB series R.F connectors together with the pro forma blank detail specification. It also prescribes mating face dimensions for grade 2 general purpose connectors, dimensional detail of grade 0 standard test connectors, gauging information and tests selected from IEC 61169-1 applicable to all detail specifications relating to SSMB series RF connectors. This specification indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.

Keel en

**EVS-EN 61300-2-17:2011**

Hind 5,88

Identne EN 61300-2-17:2011

ja identne IEC 61300-2-17:2010

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-17: Tests - Cold**

This part of IEC 61300 details a procedure for determining the suitability of a fibre optic device to withstand environmental conditions of extended low temperature (cold), which may occur in use, storage and/or transport. This procedure does not assess the ability of a device to operate during temperature variations; in this case, IEC 61300-2-22 would be used.

Keel en

Asendab EVS-EN 61300-2-17:2003

**EVS-EN 61300-2-23:2011**

Hind 5,88

Identne EN 61300-2-23:2011

ja identne IEC 61300-2-23:2010

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-23: Tests - Sealing for non-pressurized closures of fibre optic devices**

This part of IEC 61300 evaluates the effectiveness of the sealing of non-pressurized closures when subjecting to immersion in water.

Keel en

Asendab EVS-EN 61300-2-23:2002

**EVS-EN 61746-1:2011**

Hind 20,13

Identne EN 61746-1:2011

ja identne IEC 61746-1:2009

**Calibration of optical time-domain reflectometers (OTDR) - Part 1: OTDR for single-mode fibres**

This part of IEC 61746 provides procedures for calibrating single-mode optical time domain reflectometers (OTDR). It only covers OTDR measurement errors and uncertainties. This standard does not cover correction of the OTDR response.

Keel en

Asendab EVS-EN 61746:2005

**EVS-EN 61753-086-6:2011**

Hind 8,63

Identne EN 61753-086-6:2011

ja identne IEC 61753-086-6:2010

**Fibre optic interconnecting devices and passive components - Performance standard - Part 086-6: Non-connectorized single-mode bidirectional 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM devices for category O - Uncontrolled environment**

This part of IEC 61753 contains the minimum initial performance, test and measurement requirements and severities which a fibre optic pigtailed 1 490 / 1 550 nm downstream and 1 310 nm upstream wide wavelength division multiplexing (WWDM) passive optical network (PON) device must satisfy in order to be categorized as meeting the requirements of category O (uncontrolled environment), as defined in Annex A of IEC 61753-1:2007. Annex B of this standard provides information concerning the function of the 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM.

Keel en

**EVS-EN 61753-131-3:2011**

Hind 9,91

Identne EN 61753-131-3:2011

ja identne IEC 61753-131-3:2010

**Fibre optic interconnecting devices and passive components - Performance standard -- Part 131-3: Singlemode mechanical fibre splice for category U - Uncontrolled environment**

This part of IEC 61753 contains the minimum initial test and measurement requirements and severities which a mechanical fibre splice will satisfy in order to be categorised as meeting the requirements of single-mode fibre splice for use in uncontrolled environments.

Keel en

**EVS-EN 61834-4:2002/A1:2011**

Hind 10,61

Identne EN 61834-4:1998/A1:2011

ja identne IEC 61834-4:1998/A1:2010

**Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 4: Pack header table and contents**

This part of IEC 61834 specifies the pack headers and the contents of packs which are applicable to the whole recording system of helical-scan digital video cassette using 6,35 mm magnetic tape.

Keel en

**EVS-EN 61850-7-3:2011**

Hind 20,13

Identne EN 61850-7-3:2011

ja identne IEC 61850-7-3:2010

**Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes**

This part of IEC 61850 specifies constructed attribute classes and common data classes related to substation applications. In particular, it specifies: - common data classes for status information, - common data classes for measured information, - common data classes for control, - common data classes for status settings, - common data classes for analogue settings and - attribute types used in these common data classes. This International Standard is applicable to the description of device models and functions of substations and feeder equipment. This International Standard may also be applied, for example, to describe device models and functions for: - substation to substation information exchange, - substation to control centre information exchange, - power plant to control centre information exchange, - information exchange for distributed generation, or - information exchange for metering.

Keel en

Asendab EVS-EN 61850-7-3:2003

**EVS-EN 61966-12-1:2011**

Hind 14

Identne EN 61966-12-1:2011

ja identne IEC 61966-12-1:2011

**Multimedia systems and equipment - Colour measurement and management - Part 12-1: Metadata for identification of colour gamut (Gamut ID)**

This part of IEC 61966 defines the colour gamut metadata scheme for video systems and similar applications. The metadata can be associated with wide gamut video colour content or to a piece of equipment to display the content. When associated with content, the colour gamut metadata defines the gamut for which the content was created. It can be used by the display for controlled colour reproduction even if the display's colour gamut is different from that of the content. When associated with a display, the colour gamut metadata defines the display colour gamut. It can be used during content creation to enable improved colour reproduction. The colour gamut metadata may cover associated colour encoding information, which includes all information required for a controlled colour reproduction, when such information is not provided by the colour encoding specification. The colour gamut metadata scheme provides scalable solutions. For example, more flexible solutions will be used for the professional use, while much simpler solutions will be used for consumer use with easier product implementation. This part of IEC 61966 only defines the colour gamut metadata scheme. Vendor-specific solutions for creation and end-use of this metadata are allowed.

Keel en

**EVS-EN 62455:2011**

Hind 35,73

Identne EN 62455:2011

ja identne IEC 62455:2010

**Internet protocol (IP) and transport stream (TS) based service access**

This International Standard specifies the terminal for a service purchase and protection system for digital broadcasts, called the 18Crypt system. It is applicable in all countries and regions with suitably compliant broadcasting and multimedia distribution systems. Guidelines for compatible broadcast services are given in this standard. The service purchase and protection functions operate in a pure broadcast environment that may be combined with a bidirectional interactivity channel.

Keel en

**EVS-EN 62496-3:2011**

Hind 7,29

Identne EN 62496-3:2011

ja identne IEC 62496-3:2011

**Optical circuit boards - Part 3: Performance standards - General and guidance**

This part of IEC 62496 covers general information on optical circuit board performance standards. It defines those tests and severities which form the performance categories or general operating service environments and identifies those tests which are considered to be product-specific. Test and severity details are given in Annex A. IEC 62496-3 provides references, definitions and rules for creating optical circuit board performance standards, as well as related information pertinent to the subject. Subsequent parts of the IEC 62496-3 series are sequentially numbered and contain performance criteria for specific applications. Each part will be added as the performance criteria become standardized for international use.

Keel en

**EVS-EN 62496-4:2011**

Hind 12,65

Identne EN 62496-4:2011

ja identne IEC 62496-4:2011

**Optical circuit boards - Part 3: Interface standards - General and guidance**

This part of IEC 62496 covers general information on the subject of Optical Circuit Board (OCB) interfaces. It includes normative references, definitions and rules for creating and interpreting the standard drawings.

Keel en

**EVS-EN 62496-2-2:2011**

Hind 12,02

Identne EN 62496-2-2:2011

ja identne IEC 62496-2-2:2011

**Optical circuit boards - Part 2-2: Measurements - Dimensions of optical circuit boards**

This part of IEC 62496 specifies the measurement procedures for dimensions related to interface information of optical circuit boards (OCB), defined in IEC 62496-4.

Keel en

**EVS-EN 62524:2011**

Hind 15,53

Identne EN 62524:2011

ja identne IEC 62524:2009

**Multimedia systems and equipment - Multimedia e-publishing and e-books - Reader's format for e-publishing**

This International Standard specifies a reader’s format for multimedia e-publishing employed for e-book data interchange among publishers and readers, satisfying a number of readers’ requirements such as being non-revisable, equipment-adaptive and application-adaptive.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 60268-7:2003**

Identne EN 60268-7:1996

ja identne IEC 60268-7:1996

**Sound system equipment - Part 7: Headphones and earphones**

This part of IEC 268 applies to headphones, headsets, earphones and earsets, intended to be used on, or in, the human ear. It also applies to equipment, such as pre-amplifiers, passive networks and power supplies which form an integral part of the headphone system.

Keel en

Asendatud EVS-EN 60268-7:2011

**EVS-EN 60461:2003**

Identne EN 60461:2001

ja identne IEC 60461:2001

**Time and control code for video tape recorders**

Specifies a digital time and control code for use in television, film and accompanying audio systems

Keel en

Asendatud EVS-EN 60461:2011

**EVS-EN 60728-3:2008**

Identne EN 60728-3:2006

ja identne IEC 60728-3:2005

**Televisioonisignaalide, helisignaalide ja interaktiivsete teenuste kaabelvõrgud Osa 3: Aktiivsed lairiba seadmed koaksiaalkaabelvõrkudele**

This part of IEC 60728 lays down the measuring methods, performance requirements and data publication requirements for active coaxial wideband distribution equipment of cable networks for television and sound signals. This standard applies to all broadband amplifiers used in cable networks and covers the frequency range 5 MHz to 3 000 MHz. It also applies to one-way and two-way equipment.

Keel en

Asendab EVS-EN 50083-3:2005

Asendatud EVS-EN 60728-3:2011

**EVS-EN 60793-1-30:2003**

Identne EN 60793-1-30:2002

ja identne IEC 60793-1-30:2001

**Optical fibres - Part 1-30: Measurement methods and test procedures -Fibre proof test**

Describes procedures for briefly applying a specified tensile load as a proof test to continuous lengths of optical fibre. The method is applicable to types A1, A2, A3 and B optical fibres.

Keel en

Asendatud EVS-EN 60793-1-30:2011

**EVS-EN 60793-2-40:2006**

Identne EN 60793-2-40:2006

ja identne IEC 60793-2-40:2006

**Optical fibres - Part 2-40: Product specifications Sectional specification for category A4 multimode fibres**

This part of IEC 60793-2 is applicable to optical fibre categories A4a, A4b, A4c, A4d, A4e, A4f, A4g and A4h. These fibres have a plastic core and plastic cladding and may have stepindex, multi-step index, or graded-index profiles. The fibres are used in information transmission equipment and optical fibre cables.

Keel en

Asendab EVS-EN 60793-2-40:2003

Asendatud EVS-EN 60793-2-40:2011

**EVS-EN 61300-2-17:2003**

Identne EN 61300-2-17:2003

ja identne IEC 61300-2-17:2003

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-17: Tests - Cold**

Details a procedure for determining the suitability of a fibre optic device to withstand extended low temperature (cold)environmental conditions, which may occur in use, storage and/or transport. This procedure does not assess the ability of a device to operate during temperature variations; in this case, IEC 61300-2-22 would be used

Keel en

Asendab EVS-EN 61300-2-17:2002

Asendatud EVS-EN 61300-2-17:2011

**EVS-EN 61300-2-23:2002**

Identne EN 61300-2-23:1997

ja identne IEC 61300-2-23:1995

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-23: Tests - Sealing for not-pressurized closures of fibre optic devices**

The purpose of this part of IEC 1300 is to evaluate the effectiveness of seals, the integrity of hermetic seals and the integrity of seals when subjecting the fibre optic device to immersion in water.

Keel en

Asendatud EVS-EN 61300-2-23:2011

**EVS-EN 61746:2005**

Identne EN 61746:2005

ja identne IEC 61746:2005

**Calibration of optical time-domain reflectometers (OTDR)**

Provides procedures for calibrating single-mode optical time domain reflectometers (OTDR). It only covers OTDR measurement errors and uncertainties. This standard does not cover correction of the OTDR response.

Keel en

Asendab EVS-EN 61746:2003

Asendatud EVS-EN 61746-1:2011; EVS-EN 61746-2:2011

**EVS-EN 61850-7-3:2003**

Identne EN 61850-7-3:2003

ja identne IEC 61850-7-3:2003

**Communication networks and systems in substations - Part 7-3: Basic communication structure for substation and feeder equipment - Common data classes**

Specifies common attribute types and common data classes related to substation applications. Specifies particularly: common data classes for status information, for measured information, for controllable status information, for controllable analogue set point information, for status settings, for analogue settings and attribute types used in these common data classes. Is applicable to the description of device models and functions of substations and feeder equipment

Keel en

Asendatud EVS-EN 61850-7-3:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**EN 50400:2006/FprAA**

Identne EN 50400:2006/FprAA:2011

Tähtaeg 30.05.2011

**Basic standard to demonstrate the compliance of fixed equipment for radio transmission (110 MHz - 40 GHz) intended for use in wireless telecommunication networks with the basic restrictions or the reference levels related to general public exposure to radio frequency electromagnetic fields, when put into service**

This basic standard applies to Base Stations as defined in Clause 4, operating in the frequency range 110 MHz to 40 GHz.

Keel en

**EN 50401:2006/FprAA**

Identne EN 50401:2006/FprAA:2011

Tähtaeg 30.05.2011

**Tootestandard raadiosidevõrkude jaoks ettenähtud kohtkindlate raadiosaateseadmete (110 MHz – 40 GHz) vastavuse tõendamiseks raadiosageduslike elektromagnetväljade elanikukiirituse alaste põhipiirangutega või baastasemetega nende seadmete kasutuselevõtul**

This product standard applies to base stations as defined in Clause 3, operating in the frequency range 110 MHz to 40 GHz. The objective of the standard is to verify that such product complies with the basic restrictions directly or via compliance with reference levels related to the general public exposure to radio frequency electromagnetic fields in the frequency range 100 kHz to 40 GHz, where the general public has access and when it is put into service in its operational environment.

Keel en

**EN 61000-4-25:2003/FprA1**

Identne EN 61000-4-25:2002/FprA1:2011

ja identne IEC 61000-4-25:2001/A1:201X

Tähtaeg 30.05.2011

**Electromagnetic compatibility (EMC) - Part 4-25: Testing and measurement techniques - HEMP immunity test methods for equipment and systems**

Describes the immunity test levels and related test methods for electrical and electronic equipment and systems exposed to high-altitude electromagnetic pulse (HEMP) environments. Specifications for test equipment and instrumentation test set-up, test procedures, pass/fail criteria, and test documentation requirements are also defined by this standard. These tests are intended to demonstrate the immunity of electrical and electronic equipment when subjected to HEMP radiated and conducted electromagnetic disturbances. The objective of this part of IEC 61000 is to establish a common and reproducible basis for evaluating the performance of electrical and electronic equipment, when subjected to HEMP radiated environments and the associated conducted transients on power, antenna, and input/output (I/O) signal and control lines.

Keel en

**FprEN 60793-2**

Identne FprEN 60793-2:2011

ja identne IEC 60793-2:201X

Tähtaeg 30.05.2011

**Optical fibres - Part 2: Product specifications - General**

This part of IEC 60793 contains the general specifications for both multimode and single- mode optical fibres. Sectional specifications for each of the four multimode categories: A1, A2, A3, and A4 contain requirements specific to each category. Sectional specifications for each of the two single-mode classes, B and C, contain requirements common to each class. Each sectional specification includes family specifications (in normative annexes) that contain requirements for the applicable category or sub-categories. These sub-categories are distinguished on the basis of different fibre types or applications. The requirements of this standard apply to all class. Each sectional specification contains the requirements that are common to all the family 123 specifications that are within it. These common requirements are copied to the family 124 specification for ease of reference.

Keel en

Asendab EVS-EN 60793-2:2008

**prEN 50132-7**

Identne prEN 50132-7:2011

Tähtaeg 30.05.2011

**Alarm system - CCTV surveillance systems for use in security applications - Part 7: Application guidelines**

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

Keel en

Asendab EVS-EN 50132-7:2002

## 35 INFOTEHNOLOOGIA. KONTORISEADMED

**UUED STANDARDID JA PUBLIKATSIOONID**

**CEN/TR 16092:2011**

Hind 14

Identne CEN/TR 16092:2011

**Electronic fee collection - Requirements for pre-payment systems**

This technical report (TR) analyses requirements for a universal Pre-Pay account system for EFC including the following issues: - relations to other existing standards in this domain; - the core requirements and functionality that must be provided. This technical report will show an analysis of the requirements for a universal prepay system and categorise possible different types of pre-pay solutions, in terms of functionality, technical and legal considerations. As far as legal requirements are concerned it will be clarified whether the pre-payment means fall within the scope of European Directive 2000/46/EC on the taking up, pursuit of and prudential supervision of the business of electronic money institutions and whether the medium-issuing organisation has to act as a financial institution and falls within the scope of the Payment Service Directive 2007/64/EC. The latter applying exactly to payment activities undertaken by entities but do not require a full bank license. The technical report will describe the current state-of-affairs of EFC pre-payment systems, including the demand for standards and inventory of provisions provided by standards. It will identify and prioritize gaps in terms of standards or other enablers needed in order for the market to provide viable pre-payment solutions in a European context.

Keel en

**EVS-EN 13710:2011**

Hind 16,36

Identne EN 13710:2011

**European Ordering Rules - Ordering of characters from Latin, Greek, Cyrillic, Georgian and Armenian scripts**

This European Standard specifies the order between two character strings composed of characters from the Modern European Scripts (MES) collection of ISO/IEC 10646:2003 or subsets of it. NOTE Collection 283 Modern European Scripts (MES) of ISO/IEC 10646:2003 was originally specified in CEN Workshop Agreement 13873:2000 Multilingual European Subsets of ISO/IEC 10646 as Multilingual European Subset Number 3 and was subsequently incorporated as a collection in Annex A of ISO/IEC 10646:2003 alongside its sister collections MES-1 and MES-2. The ordering rules specified in this European Standard are only applicable for lists of data in more than one European language and when this data is intended for a multicultural audience. They complement existing national standards or practices in the field.

Keel en

**EVS-EN 15876-2:2011**

Hind 11,38

Identne EN 15876-2:2011

**Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to EN 15509 - Part 2: Abstract test suite**

This European Standard specifies the Abstract Test Suites (ATSs) to evaluate the conformity of On Board Equipment (OBE) and Roadside Equipment (RSE) to EN 15509. The objective of the present document is to provide a basis for conformance tests for DSRC equipment (on board units and roadside units) to enable interoperability between different equipment supplied by different manufacturers.

Keel en

**EVS-EN 50174-1:2009/A1:2011**

Hind 9,27

Identne EN 50174-1:2009/A1:2011

**Information technology - Cabling installation - Part 1: Installation specification and quality assurance**

This European Standard specifies requirements for the following aspects of information technology cabling: a) installation specification, quality assurance documentation and procedures; b) documentation and administration; c) operation and maintenance. This European Standard is applicable to all types of information technology cabling including generic cabling systems designed in accordance with the EN 50173 series. Safety (electrical safety and protection, optical power, fire, etc.) and electromagnetic compatibility (EMC) requirements are outside the scope of this European Standard and are covered by other standards and regulations. However, information given in this European Standard may be of assistance in meeting these standards and regulations.

Keel en

**EVS-EN 60950-1:2006/A12:2011**

Hind 5,88

Identne EN 60950-1:2006/A12:2011

**Infotehnikaseadmed. Ohutus. Osa 1: Üldnõuded**

This standard is applicable to mains-powered or battery-powered information technology equipment, including electrical business equipment and associated equipment, with a RATED VOLTAGE not exceeding 600 V.

Keel en

**EVS-EN 61834-4:2002/A1:2011**

Hind 10,61

Identne EN 61834-4:1998/A1:2011

ja identne IEC 61834-4:1998/A1:2010

**Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 4: Pack header table and contents**

This part of IEC 61834 specifies the pack headers and the contents of packs which are applicable to the whole recording system of helical-scan digital video cassette using 6,35 mm magnetic tape.

Keel en

**EVS-EN 62455:2011**

Hind 35,73

Identne EN 62455:2011

ja identne IEC 62455:2010

**Internet protocol (IP) and transport stream (TS) based service access**

This International Standard specifies the terminal for a service purchase and protection system for digital broadcasts, called the 18Crypt system. It is applicable in all countries and regions with suitably compliant broadcasting and multimedia distribution systems. Guidelines for compatible broadcast services are given in this standard. The service purchase and protection functions operate in a pure broadcast environment that may be combined with a bidirectional interactivity channel.

Keel en

**EVS-EN 80001-1:2011**

Hind 14,64

Identne EN 80001-1:2011

ja identne IEC 80001-1:2010

**Riskijuhtimise rakendamine meditsiiniseadmeid sisaldavates IT-võrkudes. Osa 1: Rollid, vastutus ja tegevused**

Recognizing that MEDICAL DEVICES are incorporated into IT-NETWORKS to achieve desirable benefits (for example, INTEROPERABILITY), this international standard defines the roles, responsibilities and activities that are necessary for RISK MANAGEMENT of IT-NETWORKS incorporating MEDICAL DEVICES to address SAFETY, EFFECTIVENESS and DATA AND SYSTEM SECURITY (the KEY PROPERTIES). This international standard does not specify acceptable RISK levels.

Keel en

**EVS-EN ISO 11073-10404:2011**

Hind 18,85

Identne EN ISO 11073-10404:2011

ja identne ISO/IEEE 11073-10404:2010

**Health informatics - Personal health device communication - Part 10404: Device specialization - Pulse oximeter (ISO/IEEE 11073-10404:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth pulse oximeter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play (PnP) interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth pulse oximeters.

Keel en

**EVS-EN ISO 11073-10407:2011**

Hind 15,53

Identne EN ISO 11073-10407:2011

ja identne ISO/IEEE 11073-10407:2010

**Health informatics - Personal health device communication - Part 10407: Device specialization - Blood pressure monitor (ISO/IEEE 11073-10407:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth blood pressure monitor devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth blood pressure monitors.

Keel en

**EVS-EN ISO 11073-10408:2011**

Hind 14,64

Identne EN ISO 11073-10408:2011

ja identne ISO/IEEE 11073-10408:2010

**Health informatics - Personal health device communication - Part 10408: Device specialization - Thermometer (ISO/IEEE 11073-10408:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth thermometer devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth thermometers.

Keel en

**EVS-EN ISO 11073-10415:2011**

Hind 15,53

Identne EN ISO 11073-10415:2011

ja identne ISO/IEEE 11073-10415:2010

**Health informatics - Personal health device communication - Part 10415: Device specialization - Weighing scale (ISO/IEEE 11073-10415:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth weighing scale devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth weighing scales.

Keel en

**EVS-EN ISO 11073-10471:2011**

Hind 16,36

Identne EN ISO 11073-10471:2011

ja identne ISO/IEEE 11073-10471:2010

**Health Informatics - Personal health device communication - Part 10471: Device specialization - Independant living activity hub (ISO/IEEE 11073-10471:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between independent living activity hubs and managers (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting ambiguity in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for independent living activity hubs. In this context, independent living activity hubs are defined as devices that communicate with simple situation monitors (binary sensors), normalize information received from the simple environmental monitors, and provide this normalized information to one or more managers. This information can be examined (for example) to determine when a person’s activities/behaviors have deviated significantly from what is normal for them such that relevant parties can be notified. Independent living activity hubs will normalize information from the following simple situation monitors (binary sensors) for the initial release of the proposed standard: fall sensor, motion sensor, door sensor, bed/chair occupancy sensor, light switch sensor, smoke sensor, (ambient) temperature threshold sensor, personal emergency response system (PERS), and enuresis sensor (bed-wetting).

Keel en

**EVS-EN ISO 11073-20601:2011**

Hind 25,18

Identne EN ISO 11073-20601:2011

ja identne ISO/IEEE 11073-20601:2010

**Health informatics - Personal health device communication - Part 20601: Application profile - Optimized exchange protocol (ISO/IEEE 11073-20601:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard defines a common framework for making an abstract model of personal health data available in transportindependent transfer syntax required to establish logical connections between systems and to provide presentation capabilities and services needed to perform communication tasks. The protocol is optimized to personal health usage requirements and leverages commonly used methods and tools wherever possible.

Keel en

**EVS-EN ISO 11073-10417:2011**

Hind 16,36

Identne EN ISO 11073-10417:2011

ja identne ISO/IEEE 11073-10417:2010

**Health informatics - Personal health device communication - Part 10417: Device specialization - Glucose meter (ISO/IEEE 11073-10417:2010)**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g. cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth glucose meters.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS**

**EN 61937-1:2007/FprA1:2011**

Identne EN 61937-1:2007/FprA1:2011

ja identne IEC 61937-1:2007/A1:201X

Tähtaeg 30.05.2011

**Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General**

Amendment 1 to EN 61937-1:2007

Keel en

**EN 61937-2:2007/FprA1:2011**

Identne EN 61937-2:2007/FprA1:2011

ja identne IEC 61937-2:2007/A1:201X

Tähtaeg 30.05.2011

**Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info**

Amendment 1 to EN 61937-2:2007/FprA1:2011

Keel en

**prEN 14116**

Identne prEN 14116:2011

Tähtaeg 30.05.2011

**Tanks for transport of dangerous goods - Digital interface for the product recognition device**

This European Standard covers the digital interface at the product loading and/or discharge coupling which is used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices. This European Standard specifies a digital interface which is suitable for use with liquid fuels.

Keel en

Asendab EVS-EN 14116:2007+A2:2010

**prEN 15221-7**

Identne prEN 15221-7:2011

Tähtaeg 30.05.2011

**Facility Management - Part 7: Performance Benchmarking**

This Standard is applicable to Facility Management and covers benchmarking for existing owned or leased buildings as well as buildings in state of planning or development. This standard presents a constructive framework for benchmarking and contains clear terms and definitions as well as methods for benchmarking facility management products and services related to buildings and/or parts of buildings, independent of their function. This standard establishes a common basis for benchmarking facility management costs, floor areas and environmental impacts as well as service quality, satisfaction and productivity.

Keel en

**prEN ISO 13119**

Identne prEN ISO 13119:2011

ja identne ISO/DIS 13119:2011

Tähtaeg 30.05.2011

**Health informatics - Clinical knowledge resources - Metadata (ISO/DIS 13119:2011)**

This International Standard defines a number of metadata elements that describe documents containing medical knowledge, primarily digital documents provided as web resources, accessible from databases or via file transfer, but can be applicable also to paper documents, e.g. articles in the medical literature. The metadata should: - support unambiguous and international understanding of important aspects to describe a document e.g. purpose, issuer, intended audience, legal status and scientific background; - be applicable to different kinds of digital documents e.g. recommendation from consensus of a professional group, regulation by a governmental authority, clinical trial protocol from a pharmaceutical company, scientific manuscript from a research group, advice to patients with a specific disease, review article; - be possible to present to human readers including health professionals as well as citizens/patients - be potentially usable for automatic processing e.g. to support search engines to restrict matches to documents of a certain type or quality level. The metadata here described is not intended to: - describe documents about a single patient, such as medical records; - describe details of the medical content of the document (but some idea of the content can be described via keywords or codes); - prescribe criteria for the quality of the document content.

Keel en

Asendab CEN/TS 15699:2009

**prEVS-ISO 15836:2011**

ja identne ISO 15836:2009

Tähtaeg 30.05.2011

**Informatsioon ja dokumentatsioon. Dublin Core'i metaandmeelemendid**

This International Standard establishes a standard for cross-domain resource description, known as the Dublin Core Metadata Element Set. Like RFC 3986, this International Standard does not limit what might be a resource. This International Standard defines the elements typically used in the context of an application profile which constrains or specifies their use in accordance with local or community-based requirements and policies. However, it does not define implementation detail, which is outside the scope of this International Standard.

Keel et

Asendab EVS-ISO 15836:2004

## 39 TÄPPISMEHAANIKA. JUVEELITOOTED

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 1811:2011**

Hind 12,02

Identne EN 1811:2011

**Põhimeetod nikli eraldumise määramiseks needikomplektides, mis läbivad augustatud kehaosi ja toodetes, mida kasutatakse nahaga vahetus pikaajalises kontaktis**

This European Standard specifies a method for simulating the release of nickel from all post assemblies which are inserted into pierced ears and other pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin in order to determine whether such articles are in compliance with No. 27 Annex XVII of Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH). Spectacle frames and sunglasses are excluded from the scope of this European Standard.

Keel en

Asendab EVS-EN 1811:2001+A1:2008

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 1811:2001+A1:2008**

Identne EN 1811:1998+A1:2008

**Soovitatav nikli tuvastamise katsemetoodika nahaga otseses kokkupuutes olevatest toodetest KONSOLIDEERITUD TEKST**

This European Standard specifies a method for simulating the release of nickel from articles intended to come into direct and prolonged contact with the skin in order to determine whether such items release nickel at a rate greater than 0,5 µg/cm2/week.

Keel en

Asendab EVS-EN 1811:2001

Asendatud EVS-EN 1811:2011; EVS-EN 16128:2011

## 43 MAANTEESÕIDUKITE EHITUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 624:2011**

Hind 16,36

Identne EN 624:2011

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European standard specifies the characteristics of safety, construction, performance and efficiency, the test methods and marking, of room sealed space heating equipment of type C (see CEN/TR 1749) with combustion air intake and outlet for the products of combustion in the wall, roof or floor, combined or not. These are referred to in the body of the text as "heaters", burning LPG, for vehicles and boats. This European standard only covers room sealed heaters also including those which have a combustion air fan, an integral hot air fan or both, only for vehicles and boats which are used for residential, recreational and commercial purposes. This European standard applies to heaters which are installed either outside or inside the habitable volume, but which have a combustion circuit sealed from the vehicle's interior, and nominal heat input which does not exceed 10 kW (Hs) operated at supply pressure of 30 mbar, 28 mbar, 37 mbar and 50 mbar, using, where appropriate, 12 V or 24 V DC electrical supply. Room sealed LPG space heating appliances for vehicles and boats are using very often warm air as a heat transfer medium. Annex B specifies additional requirements for appliances using water as a heat transfer medium. For private cars and vehicles or boats used for the transport of dangerous goods or for commercial personnel transport additional requirements may be necessary. This European standard does not cover requirements for storage water heaters (boilers) (see EN 15033). For appliances producing additional sanitary hot water (combi-boilers), see relevant clauses of EN 15033.

Keel en

Asendab EVS-EN 624:2001/A2:2007; EVS-EN 624:2001

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 624:2001**

Identne EN 624:2000

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European standard specifies the characteristics of safety, construction, performance and efficiency, the test methods and marking, of room sealed space heating equipment of type C (see CR 1749) with combustion air intake and outlet for the products of combustion air intake and outlet for the products of combustion in the wall, roof or floor, combined or not. These are referred to in the body of the text as  heaters , burning LPG, for road vehicles and boats.

Keel en

Asendatud EVS-EN 624:2011

**EVS-EN 624:2001/A2:2007**

Identne EN 624:2000/A2:2007

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European Standard applies to heaters which are installed either outside or inside the habitable volume but which have a combustion circuit sealed from the vehicle's interior, and nominal heat input which does not exceed 10 kW (Hs) operated at supply pressure of 30 mbar, 28 mbar, 37 mbar and 50 mbar, using, where appropriate, 12 V or 24 V DC electrical supply.

Keel en

Asendatud EVS-EN 624:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN 1648-1**

Identne prEN 1648-1 rev:2011

Tähtaeg 30.05.2011

**Leisure accommodation vehicles - 12 V direct current extra low voltage electrical installations - Part 1: Caravans**

This document specifies safety, health and functional requirements for 12 V direct current (DC) extra low voltage (ELV) electrical installations for habitation aspects of caravans. It covers the design and integration of the caravan system with the towing vehicle system. It does not apply to commercial trailers, nor does it include requirements for ELV road lighting and signalling lamps and their installations, except for safety requirements for the routing of cables in LPG storage compartments. This document also specifies the ELV output requirements of low voltage (LV) equipment that may be used to provide an ELV supply but it does not specify safety, technical and functional requirements for LV appliances and installations. Requirements for LV installations are specified in HD 60364-7-721.

Keel en

Asendab EVS-EN 1648-1:2005

**prEN 1648-2**

Identne prEN 1648-2 rev:2011

Tähtaeg 30.05.2011

**Leisure accommodation vehicles - 12 V direct current extra low voltage electrical installations - Part 2: Motor caravans**

This document specifies safety, health and functional requirements for 12 V direct current (DC) extra low voltage (ELV) electrical installations for habitation aspects of motor caravans. It applies only to installations which are electrically connected with the electrical installation of the base vehicle or which can be electrically connected with it by means of change-over devices. This document also specifies the ELV output requirements of low voltage (LV) equipment that may be used to provide an ELV supply but it does not specify safety, technical and functional requirements for LV appliances and installations. Requirements for LV installations are specified in HD 60364-7-721.

Keel en

Asendab EVS-EN 1648-2:2005

**prEN ISO 14451-1**

Identne prEN ISO 14451-1:2011

ja identne ISO/DIS 14451-1:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 1: Terminology (ISO/DIS 14451-1:2011)**

This Standard establishes a terminology related to test methods and requirements for pyrotechnic articles for vehicles.

Keel en

**prEN ISO 14451-2**

Identne prEN ISO 14451-2:2011

ja identne ISO/DIS 14451-2:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 2: Test methods (ISO/DIS 14451-2:2011)**

This Standard establishes uniform test methods for pyrotechnic articles for vehicles.

Keel en

**prEN ISO 14451-3**

Identne prEN ISO 14451-3:2011

ja identne ISO/DIS 14451-3:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 3: Labelling (ISO/DIS 14451-3:2011)**

This Standard specifies labelling requirements for pyrotechnic articles for vehicles.

Keel en

**prEN ISO 14451-4**

Identne prEN ISO 14451-4:2011

ja identne ISO/DIS 14451-4:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 4: Requirements for micro gas generators (ISO/DIS 14451-4:2011)**

This Standard specifies the types and order of tests to be applied to micro gas generators and sets out the associated acceptance criteria.

Keel en

**prEN ISO 14451-5**

Identne prEN ISO 14451-5:2011

ja identne ISO/DIS 14451-5:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 5: Requirements for airbag gas generators (ISO/DIS 14451- 5:2011)**

This Standard specifies the types and order of tests to be applied to the airbag gas generators and sets out the associated acceptance criteria.

Keel en

**prEN ISO 14451-6**

Identne prEN ISO 14451-6:2011

ja identne ISO/DIS 14451-6:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 6: Requirements for airbag modules (ISO/DIS 14451-6:2011)**

This Standard specifies the types and order of tests to be applied to airbag modules and sets out the associated acceptance criteria.

Keel en

**prEN ISO 14451-7**

Identne prEN ISO 14451-7:2011

ja identne ISO/DIS 14451-7:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 7: Requirements for seatbelt pretensioners (ISO/DIS 14451- 7:2011)**

This Standard specifies the types and order of tests to be applied to the seatbelt pretensioners and sets out the associated acceptance criteria.

Keel en

**prEN ISO 14451-8**

Identne prEN ISO 14451-8:2011

ja identne ISO/DIS 14451-8:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 8: Requirements for igniters (ISO/DIS 14451-8:2011)**

This Standard specifies the types and order of tests to be applied to the igniters and sets out the associated acceptance criteria.

Keel en

**prEN ISO 14451-9**

Identne prEN ISO 14451-9:2011

ja identne ISO/DIS 14451-9:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 9: Requirements for actuators (ISO/DIS 14451-9:2011)**

This Standard specifies the types and order of tests to be applied to the actuators and sets out the associated acceptance criteria.

Keel en

**prEN ISO 14451-10**

Identne prEN ISO 14451-10:2011

ja identne ISO/DIS 14451-10:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Pyrotechnic articles for vehicles - Part 10: Requirements for semi finished assemblies (ISO/DIS 14451-10:2011)**

This Standard specifies the types and order of tests to be applied to the semi finished products and sets out the associated acceptance criteria.

Keel en

## 45 RAUDTEETEHNIKA

**UUED STANDARDID JA PUBLIKATSIOONID**

**CLC/TS 50238-2:2010/AC:2011**

Hind 0

Identne CLC/TS 50238-2:2010/AC:2011

**Railway applications - Compatibility between rolling stock and train detection systems - Part 2: Compatibility with track circuits**

Keel en

**EVS 867:2011**

Hind 8,63

**Raudteealased rakendused. Reisijate ooteplatvormid**

Standard käsitleb raudteel reisijate ooteplatvormide projekteerimisele, ehitamisele ja hooldusele esitatavaid nõudeid, hõlmates nii uusi (ehitatavaid) kui ka olemasolevaid (rekonstrueeritavaid) ooteplatvorme, juurdepääsuteid ooteplatvormidele ning juurdepääsuteel asuvaid ülekäigukohti.

Keel et

Asendab EVS 867:2003+A1:2007+A2:2009

**EVS-EN 13262:2004+A2:2011**

Hind 15,53

Identne EN 13262:2004+A2:2011

**Raudteealased rakendused. Rattapaarid ja veermikud. Rattad. Tootenõuded KONSOLIDEERITUD TEKST**

This European Standard specifies the characteristics of railway wheels for use on European networks. Four steel grades, ER6, ER7, ER8 and ER9 are defined in this standard; for European freight wagon interoperability purposes only grades ER6, ER7 and ER8 are applicable. NOTE 1 Grade ER6 is not normally fit for the duty of application to freight wagons; it is normally applied in low axleload situations. Certain characteristics are defined according to a category 1 or a category 2. Category 1 is generally chosen when the train speed is higher than 200 km/h. Freight vehicles running at speeds lower than 200 km/h generally use wheels of Category 2. These categories can sometimes be subdivided, depending upon the characteristics. This standard is applicable to solid forged and rolled wheels which are made from vacuum degassed steel and have a chilled rim. They are to have already been used in commercial conditions on a European network in a significant quantity, or to have satisfied a technical approval procedure according to EN 13979-1 for their design.

Keel en

Asendab EVS-EN 13262:2004+A1:2008

**EVS-EN 13979-1:2007+A2:2011**

Hind 15,53

Identne EN 13979-1:2003+A2:2011

**Raudteealased rakendused. Rattapaarid ja pöördvankrid. Monoplokkrattad. Tehnilise heakskiidu protseduur. Osa 1: Sepistatud ja valtsitud rattad KONSOLIDEERITUD TEKST**

The aim of this European Standard is to define the requirements that a monobloc wheel of a freight of passenger railway vehicle non-powered axle shall meet in order to be able to be used on a European network. For wheels of powered axles or wheels with noise dampers, the requirements may be amended or supplemented. For light vehicles and tramways, other standards or documents accepted by the customer and supplier may be used. This European Standard only applies to wheels of new design. These requirements are intended to assess the validity of the design choice for the proposed use. The assessment of these requirements is the technical approval procedure. This European Standard is applicable to forged and rolled wheels for which the quality requirements are defined in !EN 13262".

Keel en

Asendab EVS-EN 13979-1:2007+A1:2009

**EVS-EN 14033-1:2011**

Hind 18,85

Identne EN 14033-1:2011

**Raudteealased rakendused. Rööbastee. Raudtee ehitus- ja hooldusmasinad. Osa 1: Tehnilised nõuded sõiduomadustele**

This European Standard defines the specific technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment. This European Standard applies to all railbound machines and other vehicles – referred to as machines – running exclusively on the railway (utilising adhesion between the rail and wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This European Standard applies to machines that are intended to operate signalling and control systems. Other machines are dealt with in other European Standards, see Annex K. Special requirements can apply for running on infrastructures with narrow gauge or broad gauge lines, lines of tramways, railways utilising other than adhesion between the rail and wheels, road-rail machines and underground infrastructures. This European Standard covers the requirements for safety and access of railway traffic, railway specific requirements for running on different infrastructures in relation to necessary movements of the machine as a train and movements to reach work sites.

Keel en

Asendab EVS-EN 14033-1:2008

**EVS-EN ISO 3381:2011**

Hind 11,38

Identne EN ISO 3381:2011

ja identne ISO 3381:2005

**Raudteealased rakendused. Akustika. Raudteeveeremi sisemüra mõõtmine (ISO 3381:2005)**

This European Standard specifies the conditions for obtaining reproducible and comparable measurement results of levels and spectra of noise inside all kinds of vehicles on rails or other types of fixed track, hereinafter conventionally called “train”, except for track maintenance vehicles in operation. This standard is applicable for: - type testing; - periodic monitoring testing. The results may be used, for example: - to characterise the noise inside these vehicles; - to compare the internal noise of various vehicles on a particular track section. The test procedures specified in this European Standard are of engineering grade (grade 2, with a precision of ± 2 dB), that is the preferred one for noise declaration purposes, as defined in EN ISO 12001. The standard describes tests during different operating conditions, i.e. driving, accelerating, decelerating and standstill. The chosen operating conditions are decided by the relevant authority or the train owner/operator. It is not mandatory to perform tests at all conditions. Infrasound and messages intelligibility are not treated in this standard. The procedures specified for accelerating and decelerating tests are of survey grade.

Keel en

Asendab EVS-EN ISO 3381:2007

## ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS 867:2003+A1:2007+A2:2009**

ja identne EVS 867:2003+A1:2007+A2:2009

**Raudteealased rakendused. Reisijate ooteplatvormid KONSOLIDEERITUD TEKST**

Standard käsitleb raudteel reisijate ooteplatvormide projekteerimisele, ehitamisele ja hooldusele esitatavaid nõudeid, hõlmates nii uusi (ehitatavaid) kui ka olemasolevaid (rekonstrueeritavaid) ooteplatvorme, juurdepääsuteid ooteplatvormidele ning juurdepääsuteel asuvaid ülekäigukohti.

Keel et

Asendab EVS 867:2003+A1:2007

Asendatud EVS 867:2011

**EVS-EN 13262:2004+A1:2008**

Identne EN 13262:2004+A1:2008

**Raudteealased rakendused. Rattapaarid ja veermikud. Rattad. Tootenõuded KONSOLIDEERITUD TEKST**

This European Standard specifies the characteristics of railway wheels for use on European networks.

Keel en

Asendab EVS-EN 13262:2004

Asendatud EVS-EN 13262:2004+A2:2011

**EVS-EN 13979-1:2007+A1:2009**

Identne EN 13979-1:2003+A1:2009

**Raudteealased rakendused. Rattapaarid ja pöördvankrid. Monoplokkrattad. Tehnilise heakskiidu protseduur. Osa 1: Sepistatud ja valtsitud rattad KONSOLIDEERITUD TEKST**

Standardi eesmärk on määratleda nõuded kaubaveeremi mittevedavatel telgedel asuvatele monoplokkratastele, mis tagavad rataste sobivuse Euroopa raudteevõrgus kasutamiseks. Vedavatel telgedel asuvate rataste või mürasummutitega rataste puhul võivad nõuded olla muudetud või laiendatud. Kergveeremi ja trammiteede puhul võib klient või tarnija juhinduda muudest standarditest või dokumentidest.

Keel en

Asendab EVS-EN 13979-1:2007

Asendatud EVS-EN 13979-1:2007+A2:2011

**EVS-EN 14033-1:2008**

Identne EN 14033-1:2008

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

This European Standard specifies the technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation, infrastructure and fixed electric traction equipment.

Keel en

Asendatud EVS-EN 14033-1:2011

**EVS-EN ISO 3381:2007**

Identne EN ISO 3381:2005

ja identne ISO 3381:2005

**Raudteealased rakendused. Akustika. Raudteeveeremi sisemüra mõõtmine**

Standard määratleb tingimused igasuguste raudteerööbastel või muud tüüpi fikseeritud rööbasteedel liikuvate veeremite sees, edaspidi tavapäraselt nimetatud “rongi”, välja arvatud rööbasteed hooldav veerem, müratasemete ja -spektri korduvteostatavate ja võrreldavate mõõtmistulemuste saamiseks.

Keel et

Asendatud EVS-EN ISO 3381:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN 16241**

Identne prEN 16241:2011

Tähtaeg 30.05.2011

**Railway applications - Slack adjuster**

This document applies to double acting slack adjusters designed to control the block (shoe) to tyre (wheel) clearance of tread braked vehicles with conventional brake cylinders and rigging, without taking the track-gauge into consideration.

Keel en

**prEN 16251**

Identne prEN 16251:2011

Tähtaeg 30.05.2011

**Railway application - Environmental conditions - Design and test of rolling stock under severe conditions**

The standard gives guidance for the design and defines criteria for validation of the rolling stock and its constituents under specific environmental conditions to which this rolling stock will be subject. It also includes availability, reliability and safety aspects which are relevant for the daily operation and the correct functioning of the rolling stock in these environmental conditions. This standard applies to: - self-propelling thermal or electric trains; - thermal or electric traction units; - passenger carriages; - mobile railway infrastructure construction and maintenance equipment (on-track machines are based on their specification). However, the requirements may be appropriate for other applications that have similar operational conditions. The nominal range of the environmental parameters is described in the EN 50125-1.

Keel en

**prEN 50152-1**

Identne prEN 50152-1:2011

Tähtaeg 30.05.2011

**Railway applications - Fixed installations - Particular requirements for alternating current switchgear - Part 1: Circuit-breakers with nominal voltage above 1 kV**

This EN 50152-1 is applicable to single-pole and two-pole alternating current (a.c.) circuit-breakers which are - for indoor or outdoor fixed installations in tractions systems, and - operated with an a.c. line voltage and frequency as specified in EN 50163.

Keel en

Asendab EVS-EN 50152-1:2008

**prEN 50152-2**

Identne prEN 50152-2:2011

Tähtaeg 30.05.2011

**Railway applications - Fixed installations - Particular requirements for alternating current switchgear - Part 2: Disconnectors, earthing switches and switches with nominal voltage above 1 kV**

This EN 50152-2 is applicable to single-pole and two-pole alternating current (a.c.) disconnectors, earthing switches and switches which are: - Designed for indoor or outdoor fixed installations in tractions systems, and - operated with an a.c. line voltage and frequency as specified in EN 50163.

Keel en

Asendab EVS-EN 50152-2:2008

## 47 LAEVAEHITUS JA MERE-EHITISED

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 624:2011**

Hind 16,36

Identne EN 624:2011

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European standard specifies the characteristics of safety, construction, performance and efficiency, the test methods and marking, of room sealed space heating equipment of type C (see CEN/TR 1749) with combustion air intake and outlet for the products of combustion in the wall, roof or floor, combined or not. These are referred to in the body of the text as "heaters", burning LPG, for vehicles and boats. This European standard only covers room sealed heaters also including those which have a combustion air fan, an integral hot air fan or both, only for vehicles and boats which are used for residential, recreational and commercial purposes. This European standard applies to heaters which are installed either outside or inside the habitable volume, but which have a combustion circuit sealed from the vehicle's interior, and nominal heat input which does not exceed 10 kW (Hs) operated at supply pressure of 30 mbar, 28 mbar, 37 mbar and 50 mbar, using, where appropriate, 12 V or 24 V DC electrical supply. Room sealed LPG space heating appliances for vehicles and boats are using very often warm air as a heat transfer medium. Annex B specifies additional requirements for appliances using water as a heat transfer medium. For private cars and vehicles or boats used for the transport of dangerous goods or for commercial personnel transport additional requirements may be necessary. This European standard does not cover requirements for storage water heaters (boilers) (see EN 15033). For appliances producing additional sanitary hot water (combi-boilers), see relevant clauses of EN 15033.

Keel en

Asendab EVS-EN 624:2001/A2:2007; EVS-EN 624:2001

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 624:2001**

Identne EN 624:2000

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European standard specifies the characteristics of safety, construction, performance and efficiency, the test methods and marking, of room sealed space heating equipment of type C (see CR 1749) with combustion air intake and outlet for the products of combustion air intake and outlet for the products of combustion in the wall, roof or floor, combined or not. These are referred to in the body of the text as heaters , burning LPG, for road vehicles and boats.

Keel en

Asendatud EVS-EN 624:2011

**EVS-EN 624:2001/A2:2007**

Identne EN 624:2000/A2:2007

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European Standard applies to heaters which are installed either outside or inside the habitable volume but which have a combustion circuit sealed from the vehicle's interior, and nominal heat input which does not exceed 10 kW (Hs) operated at supply pressure of 30 mbar, 28 mbar, 37 mbar and 50 mbar, using, where appropriate, 12 V or 24 V DC electrical supply.

Keel en

Asendatud EVS-EN 624:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN 13852-1**

Identne prEN 13852-1:2011

Tähtaeg 30.05.2011

**Kraanad. Ujuvkraanad. Osa 1: Üldotstarbelised ujuvkraanad**

This European Standard specifies the requirements for general-purpose offshore cranes including their supporting pedestals or structures. The standard is not applicable to general - purpose offshore cranes covered by the scope of this standard which are manufactured before the date of its publication as EN. This European Standard does not cover use of - or hazards relating to use of the following: a) fabrication, transportation, assembly, dismantling, disabling, scrapping or changing the configuration of the crane; b) lifting accessories, i.e. any item between the hook and the load; c) design temperature below -40 °C; d) operations at an ambient temperature above 40 °C; e) lifting operations involving more than one crane; f) accidental loads due to collisions; g) hand powered cranes and other cranes with a rated capacity less than 2 t or outreach less than 8 m; h) rescue operations; i) subsea lifting operations. The significant hazards covered by this European standard are identified in Clause 4. This standard includes requirements for the lifting of personnel by a general – purpose offshore crane.

Keel en

Asendab EVS-EN 13852-1:2004

## 49 LENNUNDUS JA KOSMOSETEHNIKA

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 2240-051:2011**

Hind 5,11

Identne EN 2240-051:2011

**Aerospace series - Lamps, incandescent - Part 051: Lamp, code 1163 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1163, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-052:2011**

Hind 5,11

Identne EN 2240-052:2011

**Aerospace series - Lamps, incandescent - Part 052: Lamp, code 1222 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1222, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-053:2011**

Hind 5,11

Identne EN 2240-053:2011

**Aerospace series - Lamps, incandescent - Part 053: Lamp, code 1308 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1308, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-054:2011**

Hind 5,11

Identne EN 2240-054:2011

**Aerospace series - Lamps, incandescent - Part 054: Lamp, code 1317 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1317, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-055:2011**

Hind 5,11

Identne EN 2240-055:2011

**Aerospace series - Lamps, incandescent - Part 055: Lamp, code 1495 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1495, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-056:2011**

Hind 5,11

Identne EN 2240-056:2011

**Aerospace series - Lamps, incandescent - Part 056: Lamp, code 1506 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1506, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-057:2011**

Hind 5,11

Identne EN 2240-057:2011

**Aerospace series - Lamps, incandescent - Part 057: Lamp, code 1512 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1512, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-058:2011**

Hind 5,11

Identne EN 2240-058:2011

**Aerospace series - Lamps, incandescent - Part 058: Lamp, code 1524 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1524, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-059:2011**

Hind 5,11

Identne EN 2240-059:2011

**Aerospace series - Lamps, incandescent - Part 059: Lamp, code 1591 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1591, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-060:2011**

Hind 5,11

Identne EN 2240-060:2011

**Aerospace series - Lamps, incandescent - Part 060: Lamp, code 1619 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1619, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2826:2011**

Hind 6,71

Identne EN 2826:2011

**Aerospace series - Burning behaviour of non metallic materials under the influence of radiating heat and flames - Determination of gas components in the smoke**

This European Standard defines a test method to determine the concentration of certain gas components due to pyrolitic decomposition of solid materials and composite materials under the influence of radiant heat only or with simultaneous flame application.

Keel en

**EVS-EN 4660-001:2011**

Hind 10,61

Identne EN 4660-001:2011

**Aerospace series - Modular and Open Avionics Architectures - Part 001: Architecture**

The purpose of this standard is to establish uniform requirements for the architecture for Integrated Modular Avionic (IMA) systems as defined by the ASAAC Programme. The IMA architecture can be built by using common components. These components are specified in separate standards. Ways of using these components are described in a set of guidelines. This document gives references to these Standards and Guidelines as well as a short introduction to IMA.

Keel en

**EVS-EN 4660-002:2011**

Hind 14

Identne EN 4660-002:2011

**Aerospace series - Modular and Open Avionics Architectures - Part 002: Common Functional Modules**

This standard defines the functionality and principle interfaces for the Common Functional Module (CFM) to ensure the interoperability of Common Functional Modules and provides design guidelines to assist in implementation of such a CFM. It is one of a set of standards that define an ASAAC (Allied Standard Avionics Architecture Council) Integrated Modular Avionics System. This definition of interfaces and functionality allows a CFM design that is interoperable with all other CFM to this standard, that is technology transparent, that is open to a multi-vendor market and that can make the best use of COTS technologies. Although the physical organisation and implementation of a CFM should remain the manufacturer's choice, in accordance with the best use of the current technology, it is necessary to define a structure for each CFM in order to achieve a logical definition of the CFM with a defined functionality. This definition includes: - The Generic CFM, which defines the generic functionality applicable to the complete set of CFMs. The generic functionality is defined in 4.1. - The processing capability, which defines the unique functionality associated with each CFM type within the set. This functionality is defined in 4.3. - The logical and physical interfaces that enable CFMs to be interoperable and interchangeable, these are defined in Clause 6. - The functionality required by a CFM to support the operation of the System is defined in Clause 6.

Keel en

**EVS-EN 4660-003:2011**

Hind 9,91

Identne EN 4660-003:2011

**Aerospace series - Modular and Open Avionics Architectures - Part 003: Communications/Network**

This standard details the functionality and principle interfaces for the ASAAC (Allied Standard Avionics Architecture Council) Network to ensure the interoperability of Common Functional Modules and design guidelines to assist in implementation of such a network. It is one of a set of standards that define an ASAAC Integrated Modular Avionics (IMA) System. The purpose of this standard is to establish by means of well defined interfaces and functionality, a network design that is technology transparent, that is open to a multi-vendor market and that can make the best use of Commercial Off The Shelf (COTS) technologies. Therefore, the associated data communication network topology, protocols and technologies are not identified in this document. For these items the document identifies the issues that should be considered when defining a specific network implementation to support the ASAAC architecture and provides guidelines to assist.

Keel en

**EVS-EN 4660-004:2011**

Hind 14,64

Identne EN 4660-004:2011

**Aerospace series - Modular and Open Avionics Architectures - Part 004: Packaging**

The purpose of this standard is to establish uniform requirements for Packaging for the Common Functional Modules (CFM) within an Integrated Modular Avionic (IMA) system, as defined per ASAAC. It comprises the module physical properties and the Module Physical Interface (MPI) definitions together with guidelines for IMA rack and the operational environment. The characteristics addressed by the Packaging Standard are: Interchangeability: - For a given cooling method all modules conforming to the packaging standard will function correctly when inserted into any rack slot conforming to the standard for the cooling method. - All modules conforming to the Module Physical Interface (MPI) definitions for connector, IED and cooling interface will function correctly when inserted into any rack slot conforming to the same MPI definition. Maintainability: - All modules are easily removable at first line. - No special tools required at first line. - No manual adjustment is necessary when installing modules. No tool is required for installation or removal of the modules. - Mechanical keying is provided that prevents insertion of a module into a rack slot that may cause an unsafe condition. The Module Physical Interface definition, contained within this standard, does not include the properties of the signalling used in the optical interface (e.g. wavelength). These are covered in EN 4660-003.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 2240-071**

Identne FprEN 2240-071:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 071: Lamp, code 3011 - Product standard**

This European Standard specifies the required characteristics for lamp, code 3011, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-072**

Identne FprEN 2240-072:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 072: Lamp, code 3912 - Product standard**

This European Standard specifies the required characteristics for lamp, code 3912, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-073**

Identne FprEN 2240-073:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 073: Lamp, code 4174 - Product standard**

This European Standard specifies the required characteristics for lamp, code 4174, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-074**

Identne FprEN 2240-074:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 074: Lamp, code 5086 - Product standard**

This European Standard specifies the required characteristics for lamp, code 5086, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-075**

Identne FprEN 2240-075:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 075: Lamp, code 5448 - Product standard**

This European Standard specifies the required characteristics for lamp, code 5448, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-076**

Identne FprEN 2240-076:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 076: Lamp, code 5678 - Product standard**

This European Standard specifies the required characteristics for lamp, code 5678, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-077**

Identne FprEN 2240-077:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 077: Lamp, code 6832 - Product standard**

This European Standard specifies the required characteristics for lamp, code 6832, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-078**

Identne FprEN 2240-078:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 078: Lamp, code 6838 - Product standard**

This European Standard specifies the required characteristics for lamp, code 6838, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-079**

Identne FprEN 2240-079:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 079: Lamp, code 6839 - Product standard**

This European Standard specifies the required characteristics for lamp, code 6839, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-080**

Identne FprEN 2240-080:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 080: Lamp, code 7007-704 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7007-704, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-081**

Identne FprEN 2240-081:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 081: Lamp, code 7070 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7070, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-082**

Identne FprEN 2240-082:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 082: Lamp, code 7079 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7079, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-083**

Identne FprEN 2240-083:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 083: Lamp, code 7152 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7152, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-084**

Identne FprEN 2240-084:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 084: Lamp, code 7153 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7153, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-085**

Identne FprEN 2240-085:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 085: Lamp, code 7265 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7265, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-086**

Identne FprEN 2240-086:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 086: Lamp, code 7333 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7333, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-087**

Identne FprEN 2240-087:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 087: Lamp, code 7341 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7341, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-088**

Identne FprEN 2240-088:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 088: Lamp, code A7512-12 - Product standard**

This European Standard specifies the required characteristics for lamp, code A7512-12, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-089**

Identne FprEN 2240-089:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 089: Lamp, code A7512-24 - Product standard**

This European Standard specifies the required characteristics for lamp, code A7512-24, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-090**

Identne FprEN 2240-090:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 090: Lamp, code 7683 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7683, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-091**

Identne FprEN 2240-091:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 091: Lamp, code 7714 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7714, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-092**

Identne FprEN 2240-092:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 092: Lamp, code 7715 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7715, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-093**

Identne FprEN 2240-093:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 093: Lamp, code 7839 - Product standard**

This European Standard specifies the required characteristics for lamp, code 7839, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-094**

Identne FprEN 2240-094:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 094: Lamp, code 8022 - Product standard**

This European Standard specifies the required characteristics for lamp, code 8022, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-095**

Identne FprEN 2240-095:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 095: Lamp, code 8552 - Product standard**

This European Standard specifies the required characteristics for lamp, code 8552, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-096**

Identne FprEN 2240-096:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 096: Lamp, code 72301-6 - Product standard**

This European Standard specifies the required characteristics for lamp, code 72301-6, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-097**

Identne FprEN 2240-097:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 097: Lamp, code 72601-12 - Product standard**

This European Standard specifies the required characteristics for lamp, code 72601-12, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-098**

Identne FprEN 2240-098:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 098: Lamp, code 416650 - Product standard**

This European Standard specifies the required characteristics for lamp, code 416650, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-099**

Identne FprEN 2240-099:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 099: Lamp, code 416700 - Product standard**

This European Standard specifies the required characteristics for lamp, code 416700, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-100**

Identne FprEN 2240-100:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 100: Lamp, code 2078 - Product standard**

This European Standard specifies the required characteristics for lamp, code 2078, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-101**

Identne FprEN 2240-101:2011

Tähtaeg 30.05.2011

**Aerospace series - Lamps, incandescent - Part 101: Lamp, code 404-02 - Product standard**

This European Standard specifies the required characteristics for lamp, code 404-02, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 3155-002**

Identne FprEN 3155-002:2011

Tähtaeg 30.05.2011

**Aerospace series - Electrical contacts used in elements of connection - Part 002: List and utilization of contacts**

This European Standard provides a list of removable crimped contacts as defined in the product standards, with wrapped or soldered connections etc. for use in connectors or other electrical elements of connection. It shows the elements of connection in which they are used.

Keel en

Asendab EVS-EN 3155-002:2006

**FprEN 3155-076**

Identne FprEN 3155-076:2011

Tähtaeg 30.05.2011

**Aerospace series - Electrical contacts used in elements of connection - Part 076: Contacts, electrical, male, type A, crimp, class R - Product standard**

This European Standard specifies the required characteristics, tests and tooling applicable to male contacts size 22, 20, 16, 12, 8 and 5, type A, crimp, class R, used in elements of connection according to EN 3155- 002. It shall be used together with EN 3155-001. The associated female contacts are defined in EN 3155-077.

Keel en

**FprEN 3155-077**

Identne FprEN 3155-077:2011

Tähtaeg 30.05.2011

**Aerospace series - Electrical contacts used in elements of connection - Part 077: Contacts, electrical, female, type A, crimp, class R - Product standard**

This European Standard specifies the required characteristics, tests and tooling applicable to female contacts size 22, 20, 16, 12, 8 and 5, type A, crimp, class R, used in elements of connection according to EN 3155- 002. It shall be used together with EN 3155-001. The associated male contacts are defined in EN 3155-076.

Keel en

**FprEN 4008-007**

Identne FprEN 4008-007:2011

Tähtaeg 30.05.2011

**Aerospace series - Elements of electrical and optical connection - Crimping tools and associated accessories - Part 007: Positioner for crimping tool M22520/2-01 - Product standard**

This European Standard specifies the characteristics for the positioner used with the M22520/2-01 crimping tool to crimp electrical contacts according to EN 4008-002.

Keel en

Asendab EVS-EN 4008-007:2006

**FprEN 4008-008**

Identne FprEN 4008-008:2011

Tähtaeg 30.05.2011

**Aerospace series - Elements of electrical and optical connection - Crimping tools and associated accessories - Part 008: Positioner for crimping tool M22520/7-01 - Product standard**

This European Standard specifies the characteristics for the positioner used with the M22520/7-01 crimping tool to crimp electrical contacts according to EN 4008-002.

Keel en

Asendab EVS-EN 4008-008:2006

**FprEN 9115**

Identne FprEN 9115:2011

Tähtaeg 30.05.2011

**Quality Management Systems - Requirements for Aviation, Space and Defence Organizations - Deliverable Software (Supplement to EN 9100)**

The requirements of EN 9100 apply with the following clarification for software. This document supplements the EN 9100 standard requirements for deliverable software and contains quality management system requirements for organizations that design, develop, and/or produce deliverable software for the aviation, space, and defence industry. This includes, as required, support software that is used in the development and maintenance of deliverable software. The deliverable software may be stand-alone, embedded, or loadable into a target computer. Where the use of Hardware Description Language (HDL) or high order language is utilized as the design source of electronic hardware [e.g., Application Specific Integrated Circuit (ASIC), Programmable Logic Device (PLD)], the organization and customer shall agree on the extent of applicability of this supplement.

Keel en

**prEN 12312-2**

Identne prEN 12312-2 rev:2011

Tähtaeg 30.05.2011

**Õhusõidukite maapealsed teenindusseadmed. Erinõuded. Osa 2: Toitlustussõidukid**

This European Standard specifies the technical requirements to minimise the hazards listed in clause 4 which can arise during the commissioning, the operation and the maintenance of catering vehicles when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognised as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies.

Keel en

Asendab EVS-EN 12312-2:2002+A1:2009

**prEN 12312-4**

Identne prEN 12312-4 rev:2011

Tähtaeg 30.05.2011

**Õhusõidukite maapealsed teenindusseadmed. Erinõuded. Osa 4: Reisijate sild lennukisse minemiseks**

This European Standard specifies the technical requirements to minimise the hazards listed in clause 4 which can arise during the commissioning, operation and maintenance of PBB's when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognised as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies. This standard applies to: - apron-drive bridges; - fixed-head bridges (also referred to as nose-loaders) or pedestal bridges; - suspended bridges, for embarking/disembarking of passengers. It is applicable from the interface of the building to the connection with the aircraft. This standard does not apply to: - elevating lounges; - passenger stairs; - other forms of aircraft access equipment or to the fixed building structure to which the PBB interfaces. This standard does not establish requirements for hazards caused by noise and vibration. This Part of EN 12312 is not applicable to PBB's which are manufactured before the date of publication of this standard by CEN. This part of EN 12312 is intended to be used in conjunction with prEN 1915-1, EN 1915-2, EN 1915-3 (for vehicles) and EN 1915-4.

Keel en

Asendab EVS-EN 12312-4:2003+A1:2009

**prEN 12312-14**

Identne prEN 12312-14 rev:2011

Tähtaeg 30.05.2011

**Õhusõidukite maapealsed teenindusseadmed. Erinõuded. Osa 14: Lennukile mineku seadmed puuetega/teovõimetutele reisijatele**

This European Standard specifies the technical requirements to minimise the hazards listed in Clause 4 which can arise during the commissioning, operation and maintenance of disabled/incapacitated passenger boarding vehicles when used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer or his authorised representative. It also takes into account some performance requirements recognized as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies.

Keel en

Asendab EVS-EN 12312-14:2006+A1:2009

## 53 TÕSTE- JA TEISALDUS-SEADMED

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN 13852-1**

Identne prEN 13852-1:2011

Tähtaeg 30.05.2011

**Kraanad. Ujuvkraanad. Osa 1: Üldotstarbelised ujuvkraanad**

This European Standard specifies the requirements for general-purpose offshore cranes including their supporting pedestals or structures. The standard is not applicable to general - purpose offshore cranes covered by the scope of this standard which are manufactured before the date of its publication as EN. This European Standard does not cover use of - or hazards relating to use of the following: a) fabrication, transportation, assembly, dismantling, disabling, scrapping or changing the configuration of the crane; b) lifting accessories, i.e. any item between the hook and the load; c) design temperature below -40 °C; d) operations at an ambient temperature above 40 °C; e) lifting operations involving more than one crane; f) accidental loads due to collisions; g) hand powered cranes and other cranes with a rated capacity less than 2 t or outreach less than 8 m; h) rescue operations; i) subsea lifting operations. The significant hazards covered by this European standard are identified in Clause 4. This standard includes requirements for the lifting of personnel by a general – purpose offshore crane.

Keel en

Asendab EVS-EN 13852-1:2004

## 55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

**UUED STANDARDID JA PUBLIKATSIOONID**

**CEN/TS 15945:2011**

Hind 8,63

Identne CEN/TS 15945:2011

**Packaging - Ease of opening - Criteria and test methods for evaluating consumer packaging**

This Technical Specification specifies the following for all adult consumers: - criteria for ease of opening of packages; - methods for evaluating the ease of opening of consumer packages. The purpose of this Technical Specification is to specify test methods to evaluate the ease of opening of consumer packages, in order to improve easy access to the contents. For packages regulated for safety or similar reasons, e.g. packaging of dangerous goods and substances, medicinal products, and medical devices, those regulations take precedence. This Technical Specification applies to all packaging that does not require an opening tool and to packaging that is purchased with an integrated opening tool.

Keel en

**EVS-EN 26591-1:2011**

Hind 5,88

Identne EN 26591-1:1992

ja identne ISO 6591-1:1984

**Packaging - Sacks - Description and method of measurement - Part 1: Empty paper sacks (ISO 6591-1:1984)**

This part of IS0 6591 fixes the description and the dimensional designation of empty paper sacks and specifies the method of measuring those dimensions. It is primarily intended for application to paper sacks as specified in IS0 6590/l.

Keel en

**EVS-EN 26591-2:2011**

Hind 5,11

Identne EN 26591-2:1992

ja identne ISO 6591-2:1985

**Packaging - Sacks - Description and method of measurement - Part 2: Empty sacks made from thermoplastic flexible film (ISO 6591-2:1985)**

This part of IS0 6593 specifies a method for measuring and expressing the dimensions of empty sacks of thermoplastic flexible film. It is primarily intended for appiication to plastic sacks as specified in IS0 6590/2.

Keel en

**EVS-EN 27023:2011**

Hind 4,35

Identne EN 27023:1992

ja identne ISO 7023:1983

**Packaging - Sacks - Method of sampling empty sacks for testing (ISO 7023:1983)**

This International Standard specifies a method of obtaining a representative Sample of empty Sacks for testing. This International Standard is applicable when sampling in order to assess the average quality of a consignment of  mpty sacks. The method is not suited to sampling for production control. The method applies to all types of empty Sacks.

Keel en

**EVS-EN 29008:2011**

Hind 4,35

Identne EN 29008:1994

ja identne ISO 9008:1991

**Glass bottles - Verticality - Test method (ISO 9008:1991)**

This International Standard specifies a test method for determination of the verticality of glass bottles. NOTE 1 Deviation from the vertical axis may Cause difficulties on fast-filling lines. This test method determines not only the deviation of the whole body from the vertical, but also the combined effect of various deformations which may also be present, e.g. the deviation of the neck from vertical, offset finish and ovality of the finish (ring).

Keel en

**EVS-EN 29885:2011**

Hind 4,35

Identne EN 29885:1994

ja identne ISO 9885:1991

**Wide-mouth glass containers - Deviation from flatness of top sealing surface - Test methods (ISO 9885:1991)**

This International Standard specifies two complementary test methods for the determination of the deviation from flatness of the top sealing surface of wide-mouth glass containers. It applies to wide-mouth glass containers, desig- nated for sterilization and other purposes, where a hermetic seal is required.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 60286-3**

Identne FprEN 60286-3:2011

ja identne IEC 60286-3:201X

Tähtaeg 30.05.2011

**PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING – Part 3: Packaging of surface mount components on continuous tapes**

This part of IEC 60286 is applicable to the tape packaging of electronic components without leads or with lead stumps which are intended to be connected to electronic circuits. It includes only those dimensions that are essential for the taping of components intended for the abovementioned purposes. This standard also includes requirements related to the packaging of singulated die products including bare die and bumped die (flip chips).

Keel en

Asendab EVS-EN 60286-3:2007

## 59 TEKSTIILI- JA NAHATEHNOLOOGIA

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 15973:2011**

Hind 7,29

Identne EN 15973:2011

**Rubber or plastic-coated fabrics - Upholstery fabrics - Resistance to soiling**

This European standard specifies a test method for assessing resistance to soiling and cleanability of coated fabrics for upholstery. This European standard is applicable to upholstery fabrics with a coating on the wear face.

Keel en

**EVS-EN ISO 17234-2:2011**

Hind 9,91

Identne EN ISO 17234-2:2011

ja identne ISO 17234-2:2011

**Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4- aminoazobenzene (ISO 17234-2:2011)**

This part of ISO 17234 is supplementary to ISO 17234-1 and describes a special procedure to detect the use of certain azo colorants in commodities, which can release 4-aminoazobenzene. The procedure also detects 4-aminoazobenzene (Solvent Yellow 1) which is already available as free amine in commodities without reducing pretreatment. Azo colorants that are able to form 4-aminoazobenzene generate, under the conditions of ISO 17234-1, the amines aniline and 1,4-phenylenediamine. The presence of these 4-aminoazobenzene colorants cannot be reliably ascertained without additional information (e.g. the chemical structure of the colorant used) or without a special procedure. The use of certain azo colorants, which may release, by reductive cleavage of their azo group(s), one or more of the other aromatic amines listed in Annex XVII of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), except 4-aminoazobenzene, cannot be determined quantitatively with this method.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS**

**EN 31092:2000/prA1**

Identne EN 31092:1993/prA1:2011

ja identne ISO 11092:1993/DAM 1:2011

Tähtaeg 30.05.2011

**Textiles - Physiological effects - Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (ISO 11092:1993/DAM 1:2011)**

See standard määrab kindlaks meetodi statsionaarsetes tingimustes soojuskindluse ja veeaurukindluse määramiseks tekstiilmaterjalide ja liitmaterjalide puhul, nagu tepitud tekid, magamiskotid, istmepolstrid ja nende koostisosad (nt vahtplastid).

Keel en

**FprEN ISO 3759**

Identne FprEN ISO 3759:2011

ja identne ISO/FDIS 3759:2011

Tähtaeg 30.05.2011

**Tekstiil. Riideproovide ja rõivaste ettevalmistamine, märkimine ja mõõtmine mõõtmete muutuse määramise katsetes (ISO/FDIS 3759:2011)**

This International Standard specifies a method for the preparation, marking and measuring of textile fabrics, garments and fabric assemblies for use in tests for assessing dimensional change after a specified treatment, e.g. washing, dry cleaning, soaking in water and steaming, following the procedures in ISO 3005, ISO 7771, ISO 6330, ISO 3175 or ISO 15797. This International Standard is applicable to woven and knitted fabrics, and made-up textile articles. The procedures are not applicable to certain upholstery coverings.

Keel en

Asendab EVS-EN ISO 3759:2008

**FprEN ISO 17071**

Identne FprEN ISO 17071:2011

ja identne ISO 17071:2006

Tähtaeg 30.05.2011

**Leather - Physical and mechanical tests - Determination of fogging characteristics (ISO 17071:2006)**

This International Standard specifies two alternative methods for determining the fogging characteristics of leathers used in the passenger compartments of motor vehicles, namely Method A and Method B. These are two different test procedures to measure the volatile components and there is no mathematical correlation between the results obtained with Method A and those with Method B. Method A determines by reflection the light scattering properties (or opaqueness) and the nature of the film or droplet formation from volatile components condensed on a cold glass surface. Method B measures gravimetrically the quantity of volatile components condensed on a cold aluminium foil surface. Annex A gives the results of inter-laboratory trial which show that Method B performs well, whereas Method A showed a large variation in the percentage reflection. The test conditions allow the two tests to be carried out in succession.

Keel en

Asendab EVS-EN 14288:2004

**FprEN ISO 17074**

Identne FprEN ISO 17074:2011

ja identne ISO 17074:2006

Tähtaeg 30.05.2011

**Leather - Physical and mechanical tests - Determination of resistance to horizontal spread of flame (ISO 17074:2006)**

This International Standard specifies a method for determining the horizontal burning rate of leather. It is applicable to all light leathers but is particularly intended for leathers used in the passenger compartment of motor vehicles.

Keel en

Asendab EVS-EN 14326:2004

**FprEN ISO 17230**

Identne FprEN ISO 17230:2011

ja identne ISO 17230:2006

Tähtaeg 30.05.2011

**Leather - Physical and mechanical tests - Determination of water penetration pressure (ISO 17230:2006)**

This International Standard describes a method for determining the water penetration pressure of leather.

Keel en

Asendab EVS-EN 14289:2004

**FprEN ISO 17231**

Identne FprEN ISO 17231:2011

ja identne ISO 17231:2006

Tähtaeg 30.05.2011

**Leather - Physical and mechanical tests - Determination of water repellency of garment leather (ISO 17231:2006)**

This International Standard specifies a method for determining the repellency of leather to surface wetting. It is applicable to all leathers intended for use in clothing. The method does not determine the resistance of leather to water penetration.

Keel en

Asendab EVS-EN 14340:2004

## 61 RÕIVATÖÖSTUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN ISO 10748:2011**

Hind 5,88

Identne EN ISO 10748:2011

ja identne ISO 10748:2011

**Footwear - Test method for slide fasteners - Slider locking strength (ISO 10748:2011)**

This International Standard specifies a test method to determine the locking strength of a slide fastener slider for footwear. The method is applicable to all types of slide fastener that have a slider locking device.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN ISO 3759**

Identne FprEN ISO 3759:2011

ja identne ISO/FDIS 3759:2011

Tähtaeg 30.05.2011

**Tekstiil. Riideproovide ja rõivaste ettevalmistamine, märkimine ja mõõtmine mõõtmete muutuse määramise katsetes (ISO/FDIS 3759:2011)**

This International Standard specifies a method for the preparation, marking and measuring of textile fabrics, garments and fabric assemblies for use in tests for assessing dimensional change after a specified treatment, e.g. washing, dry cleaning, soaking in water and steaming, following the procedures in ISO 3005, ISO 7771, ISO 6330, ISO 3175 or ISO 15797. This International Standard is applicable to woven and knitted fabrics, and made-up textile articles. The procedures are not applicable to certain upholstery coverings.

Keel en

Asendab EVS-EN ISO 3759:2008

**prEN ISO 16177**

Identne prEN ISO 16177:2011

ja identne ISO/DIS 16177:2011

Tähtaeg 30.05.2011

**Footwear - Resistance to crack initiation and growth - Belt flex method (ISO/DIS 16177:2011)**

This method is intended to determine the resistance of a component or material to crack initiation and growth due to repeated flexing. The method is mainly applicable to outsoles of footwear but may also be used with certain other flexible components.

Keel en

## 65 PÕLLUMAJANDUS

### UUED STANDARDID JA PUBLIKATSIOONID

**EVS-EN 13683:2004+A2:2011**

Hind 17,32

Identne EN 13683:2003+A2:2011

**Aiapidamisseadmed. Integreeritud jõuallikaga hekseldid/veskid. Ohutus KONSOLIDEERITUD TEKST**

This European Standard specifies safety requirements and their verification for the design and construction of hand fed, shredders/chippers with integral power source and with or without vacuum assisted collection which are designed primarily to reduce organic material to smaller pieces. It is only applicable to shredders/chippers that are designed for use outdoors in a stationary position by an operator standing on the ground. This standard applies to shredders/chippers with feed intake openings or segments, in this standard referred to as feed safety openings and being of any shape complying with the safety distance requirements of this standard with regard to contact with the cutting means, that in total will fit into a square of 250 mm ˙ 250 mm measured at the plane of the opening(s).

Keel en

Asendab EVS-EN 13683:2004+A1:2009

**EVS-EN ISO 4254-5:2009/AC:2011**

Hind 0

Identne EN ISO 4254-5:2009/AC:2011

**Agricultural machinery - Safety - Part 5: Power-driven soil-working machines (ISO 4254-5:2008)**

Keel en

Asendab EVS-EN ISO 4254-5:2009/AC:2010

**EVS-EN ISO 22868:2011**

Hind 14,64

Identne EN ISO 22868:2011

ja identne ISO 22868:2011

**Metsandusmasinad. Käeskantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2) (ISO 22868:2011)**

This International Standard specifies a noise test code for determining, efficiently and under standardized conditions, the noise emission characteristics of portable, hand-held, combustion-engine-powered forest and garden machines, including chain-saws, brush-cutters, grass-trimmers, pole-mounted powered pruners, hedge-trimmers and garden blowers/vacuums. Noise emission characteristics include the A-weighted emission sound pressure level at the operator position and the A-weighted sound power level.

Keel en

Asendab EVS-EN ISO 22868:2008

### ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS-EN 13683:2004+A1:2009**

Identne EN 13683:2003+A1:2009

**Aiapidamisseadmed. Integreeritud jõuallikaga hekseldid/veskid. Ohutus KONSOLIDEERITUD TEKST**

This European Standard specifies safety requirements and their verification for the design and construction of hand fed, shredders/chippers with integral power source and with or without vacuum assisted collection which are designed primarily to reduce organic material to smaller pieces. It is only applicable to shredders/chippers that are designed for use outdoors in a stationary position by an operator standing on the ground. It applies to shredders/chippers with feed intake openings in the form of a single opening or an opening divided into a number of segments. The feed intake openings or segments each being of any shape that will fit into a square of 250 mm × 250 mm measured at the relevant safety distance to the cutting means.

Keel en

Asendab EVS-EN 13683:2004

Asendatud EVS-EN 13683:2004+A2:2011

**EVS-EN ISO 4254-5:2009/AC:2010**

Identne EN ISO 4254-5:2009/AC:2010

ja identne ISO 4254-5:2008

**Põllumajandusmasinad. Ohutus. Osa 5: Sundaktiivsed mullaharimismasinad**

Keel en

Asendatud EVS-EN ISO 4254-5:2009/AC:2011

**EVS-EN ISO 22868:2008**

Identne EN ISO 22868:2008

ja identne ISO 22868:2005

**Metsandusmasinad. Käeskantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2)**

Käesolev rahvusvaheline standard kirjeldab detailselt mürakatsete eeskirja, mille abil on võimalik efektiivselt ja standardiseeritud tingimustel määrata kindlaks käeskantavate sisepõlemismootoriga metsamasinate (n. kettsaed, võsalõikurid ja rohutrimmerid) müraemissiooni väärtused. Müraemissiooni omaduste hulka kuuluvad A-kaalutud helirõhu taseme emissioon operaatori töökohal ja A-kaalutud helivõimsuse tase. Eeskirja kasutatakse nii tootja toodangu kontrollimiseks kui ka tüüpkatsetuste käigus. Saadud tulemusi on võimalik kasutada erinevate masinate või sama tooteseeria masinate võrdlemiseks. Kuigi müraemissiooni väärtused on mõõdetud simuleeritud töörežiimide käigus, on need müraemissiooni tüüpilisteks näideteks tegelikes töörežiimides.

Keel en

Asendab EVS-EN ISO 22868:2006

Asendatud EVS-EN ISO 22868:2011

### KAVANDITE ARVAMUSKÜSITLUS

**FprEN 15924**

Identne FprEN 15924:2011

Tähtaeg 30.05.2011

**Fertilizers - Determination of the fineness of grinding of soft natural phosphates**

This document specifies a method for the determination of the fineness of grinding of soft natural phosphates by wet sieving.

Keel en

Asendab CEN/TS 15924:2009

**FprEN 15925**

Identne FprEN 15925:2011

Tähtaeg 30.05.2011

**Fertilizers - Extraction of total sulfur present in various forms**

This document specifies a method for the extraction of the total sulfur contained in fertilizers in elemental form and/or in other chemical combinations. The method is applicable to EC fertilizers for which a declaration of the total sulfur present in various forms (elemental, thiosulfate, sulfite, sulfate) is provided.

Keel en

Asendab CEN/TS 15925:2009

**FprEN 15926**

Identne FprEN 15926:2011

Tähtaeg 30.05.2011

**Fertilizers - Extraction of water soluble sulfur where the sulfur is in various forms**

This document specifies a method for the extraction of water-soluble sulfur contained in fertilizers in various forms. The method is applicable to EC-fertilizers for which a declaration of the water-soluble sulfur trioxide is provided for.

Keel en

Asendab CEN/TS 15926:2009

**FprEN 15956**

Identne FprEN 15956:2011

Tähtaeg 30.05.2011

**Fertilizers - Extraction of phosphorus soluble in mineral acids**

This document specifies a method for the determination of phosphorus soluble in mineral acids. The method is applicable exclusively to phosphate fertilizers listed in Regulation (EC) 2003/2003, Annex I (see [1]).

Keel en

Asendab CEN/TS 15956:2009

**FprEN 15957**

Identne FprEN 15957:2011

Tähtaeg 30.05.2011

**Fertilizers - Extraction of phosphorus which is soluble in neutral ammonium citrate**

This document specifies a method for the extraction of phosphorus soluble in neutral ammonium citrate. The method is applicable to all fertilizers in respect of which solubility in neutral ammonium citrate is laid down in Regulation (EC) 2003/2003, Annex I (see [1]).

Keel en

Asendab CEN/TS 15957:2009

**prEN 16246**

Identne prEN 16246:2011

Tähtaeg 30.05.2011

**Agricultural machinery - Backhoes - Safety**

This European Standard, intended to be used together with EN ISO 4254-1:2009 and EN 15811:2009, specifies the safety requirements and their verification for the design and construction of hydraulic backhoes mounted to the three point linkage of a tractor. It describes methods for the elimination or reduction of hazards arising from the intended use of these machines by one person (the operator) in the course of normal operation and service. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. When requirements of this document are different from those which are stated in EN ISO 4254-1, the requirements of this document take precedence over the requirements of EN ISO 4254-1 for machines that have been designed and built according the provisions of this document. This document, taken together with EN ISO 4254-1, deals with all the significant hazards, hazardous situations and events (as listed in Table 1) relevant to hydraulic backhoes mounted to the three point linkage of a tractor, when they are used as intended and under the conditions foreseen by the manufacturer. NOTE Specific requirements related to road traffic regulations are not taken into account in this standard. This document is not applicable to hydraulic backhoes which are manufactured before the date of publication of this document by CEN.

Keel en

## 67 TOIDUAINETE TEHNOLOOGIA

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN ISO 3961**

Identne FprEN ISO 3961:2011

ja identne ISO 3961:2009

Tähtaeg 30.05.2011

**Loomsed ja taimsed rasvad ning õlid. Joodiarvu määramine (ISO 3961:2009)**

This International Standard specifies a reference method for the determination of the iodine value (IV) of animal and vegetable fats and oils, hereinafter referred to as fats. Annex A describes a method for the calculation of the IV from fatty acid compositional data. This method is not applicable to fish oils.

Keel en

Asendab EVS-EN ISO 3961:2000

**prEVS-ISO 6611:2011**

ja identne ISO 6611:2004

Tähtaeg 30.05.2011

**Piim ja piimatooted. Pärmide ja/või hallituste kolooniaid moodustavate ühikute arvuline määramine. Kolooniate loendamise tehnika 25 °C juures. (ISO 6611:2004)**

Standard määratleb piimas ja piimatoodetes olevate elusate pärmide ja/või hallituste kolooniaid moodustavate ühikute (CFU) määramise ja loendamise meetodi kolooniate arvu loendamise tehnikaga 25 °C juures. Meetodit rakendatakse toodetele: - piim ja vedelad piimatooted, - piimapulber, vadakupulber, petipulber, laktoos, - juust, - happekaseiin, piimhappekaseiin, laabikaseiin, - kaseinaadid, hapuvadakupulber, - või, - külmutatud piimatooted (kaasaarvatud jäätised), - keedukreemid, desserdid, fermenteeritud piim ja koor. MÄRKUS Käesolev meetod ei sobi paljudele termolabiilsetele pärmidele (värsketes juustudes). Sel juhul tuleb eelistada pindkülvimeetodit agarile.

Keel et

## 71 KEEMILINE TEHNOLOOGIA

### UUED STANDARDID JA PUBLIKATSIOONID

**EVS-EN 15964:2011**

Hind 13,36

Identne EN 15964:2011

**Breath alcohol test devices other than single use devices - Requirements and test methods**

This European Standard applies to breath alcohol test devices which measure the concentration of alcohol contained in an exhaled breath sample intended to be used for screening or preliminary testing. This standard specifies requirements for basic safety and performance, test methods and requirements for marking, labelling and operating instructions. This standard gives guidelines for type approval procedure consisting of a number of technical performance tests, but excluding in vivo tests, that are carried out on devices supplied by the manufacturers. In vivo tests, which are designed to test the ability of the device to work with real subjects, may be arranged in compliance with national requirements. This standard is not applicable to devices covered by OIML R 126:1998 (Evidential breath analyzers) or single use testers. Devices are designed for law enforcement.

Keel en

### ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS-ISO 4787:2007**

ja identne ISO 4787:1984

**Laboratooriumi klaasnõud. Klaasmahunõud. Kasutamise ja mahu katsetamise meetodid**

Standard esitab klaasmahunõude katsemeetodid, et mahunõude kasutamisel saada parim täpsustase.

Keel et

Asendatud EVS-EN ISO 4787:2011

### KAVANDITE ARVAMUSKÜSITLUS

**prEN 14349**

Identne prEN 14349:2011

Tähtaeg 30.05.2011

**Chemical disinfectants and antiseptics - Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area on nonporous surfaces without mechanical action - Test method and requirements (phase 2, step 2)**

This European Standard specifies a test method and the minimum requirements for bactericidal activity of chemical disinfectant and antiseptic products that form a homogeneous physically stable preparation when diluted with hard water, or – in the case of ready-to-use-products – with water. This European Standard applies to products that are used in the veterinary area on non-porous surfaces without mechanical action i.e. in the breeding, husbandry, production, transport and disposal of all animals except when in the food chain following death and entry to the processing industry. EN 14885 specifies in detail the relationship of the various tests to one another and to “use recommendations”.

Keel en

Asendab EVS-EN 14349:2007

**prEN 16256-1**

Identne prEN 16256-1:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 1: Terminology**

This European Standard defines various terms relating to the design, construction, primary packaging and testing of theatrical pyrotechnic articles and specifies the generic types.

Keel en

**prEN 16256-2**

Identne prEN 16256-2:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 2: Categories of theatrical pyrotechnic articles**

This European Standard defines the procedure for placing generic types, subtypes or individual items of theatrical pyrotechnic articles into the appropriate Categories, T2, T1 for outdoor use only and T1 and lists them.

Keel en

**prEN 16256-3**

Identne prEN 16256-3:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 3: Requirements for construction and performance**

This European Standard specifies requirements for the construction, performance and primary packaging of theatrical pyrotechnic articles of the following generic types: Airbursts; - Bengal flames; - Bengal flares; - Bengal sticks; - Binary mixtures; - Carretillas; - Combinations; - Comets; - Desensitized pyrotechnic substances; - Dropping effects; - Explosion simulators; - Fireballs; - Flame projectors; - Fountains; - Jets; - Line rockets; - Mines; - Projection devices; - Roman candles; - Rotating effects; - Self consuming articles; - Smoke devices; - Split tubes; - Squibs; - Stage maroons;- Theatrical fires; - Theatrical flashes; - Theatrical reports; - Whistles. This standard does not apply for articles containing pyrotechnic composition that include any of the following substances: - arsenic or arsenic compounds; - polychlorobenzenes; - lead or lead compounds; - mercury compounds; - white phosphorus; - picrates or picric acid.

Keel en

**prEN 16256-4**

Identne prEN 16256-4:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 4: Minimum labelling requirements and Instructions for use**

This European Standard specifies minimum labelling requirements for the article and primary packaging and for the instructions for use of theatrical pyrotechnic articles of the following types: - Airbursts; - Bengal Flames; - Bengal Flares; - Bengal Sticks; - Binary Mixtures; - Carretillas; - Combinations; - Comets; - Desensitized Pyrotechnic Substances; - Dropping Effects; - Explosion Simulators; - Fireballs; - Flame Projectors; - Fountains; - Jets; - Line Rockets; - Mines; - Projection Devices; - Roman Candles - Rotating Effects; - Self Consuming Article; - Smoke Devices; - Split Tubes; - Squibs; - Stage Maroons; - Theatrical Fires; - Theatrical Flashes; - Theatrical Reports; - Whistles.

Keel en

**prEN 16256-5**

Identne prEN 16256-5:2011

Tähtaeg 30.05.2011

**Pyrotechnic articles - Theatrical pyrotechnic articles - Part 5: Test methods**

This European Standard specifies test methods. It is applicable to theatrical pyrotechnics which are in categories T1 and T2 according to 16256-2.

Keel en

# 75 NAFTA JA NAFTATEHNOLOOGIA

**UUED STANDARDID JA PUBLIKATSIOONID**

**CEN/TS 15293:2011**

Hind 7,93

Identne CEN/TS 15293:2011

**Mootorikütused. Etanool (E85). Nõuded ja katsemeetodid**

Tehniline kirjeldus määratleb nõuded ja katsemeetodid turustatavale ja tarnitavale mootorikütusena kasutatavale etanoolile (E85). Kirjeldus on rakendatav etanoolile (E85), mida kasutatakse etanooli (E85) jaoks konstrueeritud sädesüütemootoriga sõiduki kütusena. Etanoolkütus E85 on segu nominaalselt 85 mahuprotsendist standardile EN 15376 vastavast etanoolist ja standardile EN 228 vastavast mootoribensiinist, kuid ette on nähtud ka võimalikud aastaaegadele vastavad margid etanoolisisaldusega üle 50 mahuprotsendi. MÄRKUS: Dokumendis kasutatakse massiosade ja mahuosade eristamiseks vastavalt tähiseid „% (m/m)“ ja „% (V/V)“. EE MÄRKUS Eesti standardis kasutatakse vastavalt tähiseid „massi%“ ja „mahu%“.

Keel et

Asendab CWA 15293:2005

**EVS-EN 13614:2011**

Hind 6,71

Identne EN 13614:2011

**Bitumen and bituminous binders - Determination of adhesivity of bituminous emulsions by water immersion test**

This European Standard specifies a method for determining the adhesion of a bituminous emulsion coated onto aggregate when immersed in water. The method considers two different aspects of adhesivity, i.e. immediate adhesivity and water effect on binder adhesion. The method may be used with a reference aggregate. In that case, it measures the intrinsic adhesion behaviour of a bituminous emulsion. The method may also be used with a specific aggregate as used on a job site. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13614:2004

**EVS-EN 14961-5:2011**

Hind 7,29

Identne EN 14961-5:2011

**Solid biofuels - Fuel specifications and classes - Part 5: Firewood for non-industrial use**

This European standard determines the fuel quality classes and specifications for firewood for non-industrial use. This European standard covers only firewood produced from the following raw material (see EN 14961-1:2010, Table 1): - 1.1.1 Whole trees without roots; - 1.1.3 Stem wood; - 1.1.4 Logging residues (thick branches, tops, etc.). - 1.2.1 Chemically untreated wood residues;

Keel en

**EVS-EN 15234-1:2011**

Hind 10,61

Identne EN 15234-1:2011

**Solid biofuels - Fuel quality assurance - Part 1: General requirements**

This European Standard defines the procedures to fulfil the quality requirements (quality control) and describes measures to ensure adequate confidence that the biofuel specification is fulfilled (quality assurance). This European Standard covers the whole chain, from supply of raw materials to point of delivery to the enduser. According to the mandate given for the standardisation work, the scope of the CEN/TC 335 only includes solid biofuels originating from the following sources: - products from agriculture and forestry; - vegetable waste from agriculture and forestry; - vegetable waste from the food processing industry; - wood waste, with the exception of wood waste which may contain halogenated organic compounds or heavy metal as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste originated from construction and demolition waste; - fibrous vegetable waste from virgin pulp production and from the production of paper from pulp, if it is co-incinerated at the place of production and heat generated is recovered; - cork waste.

Keel en

Asendab CEN/TS 15234:2006

**EVS-EN 15357:2011**

Hind 10,61

Identne EN 15357:2011

**Solid recovered fuels - Terminology, definitions and descriptions**

This European Standard defines terms and definitions concerned in all standardisation work within the scope of CEN/TC 343, i.e. terms used in the field of production and trade of solid recovered fuels that are prepared from non-hazardous waste.

Keel en

Asendab CEN/TS 15357:2006

**EVS-EN 15358:2011**

Hind 14

Identne EN 15358:2011

**Solid recovered fuels - Quality management systems - Particular requirements for their application to the production of solid recovered fuels**

This European Standard specifies requirements for the quality management system for the production and trade of solid recovered fuels from the reception of waste(s) up to the delivery of solid recovered fuels

Keel en

Asendab CEN/TS 15358:2006

**EVS-EN 15400:2011**

Hind 16,36

Identne EN 15400:2011

**Tahkejäätmekütused. Küteväärtuse määramine**

This European Standard specifies a method for the determination of gross calorific value of solid recovered fuels at constant volume and at the reference temperature 25 °C in a bomb calorimeter calibrated by combustion of certified benzoic acid.

Keel en

Asendab CEN/TS 15400:2006

**EVS-EN 15402:2011**

Hind 8,63

Identne EN 15402:2011

**Tahkejäätmekütused. Lenduva aine sisalduse määramine**

This European Standard specifies the requirements and a method for the determination of volatile matter of solid recovered fuels.

Keel en

Asendab CEN/TS 15402:2006

**EVS-EN 15403:2011**

Hind 7,29

Identne EN 15403:2011

**Solid recovered fuels - Determination of ash content**

This European Standard specifies a method for the determination of ash content of all solid recovered fuels.

Keel en

Asendab CEN/TS 15403:2006

**EVS-EN 15407:2011**

Hind 7,93

Identne EN 15407:2011

**Solid recovered fuels - Method for the determination of carbon (C), hydrogen (H) and nitrogen (N) content**

This European Standard specifies a method for the determination of total carbon, hydrogen and nitrogen contents in solid recovered fuels by instrumental techniques. This method is applicable for concentrations on dry matter basis of C over 0,1 %, N over 0,01 % and H over 0,1 %.

Keel en

Asendab CEN/TS 15407:2006

**EVS-EN 15408:2011**

Hind 9,27

Identne EN 15408:2011

**Solid recovered fuels - Methods for the determination of sulphur (S), chlorine (Cl), fluorine (F) and bromine (Br) content**

This European Standard specifies the determination of S, Cl, F and Br in solid recovered fuels of various origin and composition after combustion in oxygen atmosphere. This method is applicable for concentrations over 0,025 g/kg, depending on the element and on the determination technique. In the case of fluorine this method is applicable for concentration over 0,015 g/kg. Insoluble halides and sulphate present in the original sample or produced during the combustion step are not completely determined by these methods. This European Standard provides recommendations concerning standardised methods for determination of halides and sulphate in the solution obtained after combustion.

Keel en

Asendab CEN/TS 15408:2006

**EVS-EN 15414-3:2011**

Hind 6,71

Identne EN 15414-3:2011

**Solid recovered fuels - Determination of moisture content using the oven dry method - Part 3: Moisture in general analysis sample**

This European Standard specifies a method for the determination of moisture in an analysis sample by drying the sample in an oven. This method is suitable for use for general analysis samples in accordance with CEN/TS 15414-1. It is applicable to all solid recovered fuels.

Keel en

Asendab CEN/TS 15414-3:2006

**EVS-EN 15440:2011**

Hind 16,36

Identne EN 15440:2011

**Solid recovered fuels - Method of the determination of biomass content**

This European Standard specifies three normative methods for the determination of the biomass fraction in solid recovered fuel, and when to use each method. The methods are the selective dissolution in a hydrogen peroxide/sulphuric acid mixture, the manual sorting method and the method based on the 14C content.

Keel en

Asendab CEN/TS 15440:2006; CEN/TS 15747:2008

**EVS-EN 15442:2011**

Hind 18,85

Identne EN 15442:2011

**Solid recovered fuels - Methods for sampling**

This European Standard specifies methods for taking samples of solid recovered fuels for example from production plants, from deliveries or from stock. It includes manual and mechanical methods. It is not applicable to solid recovered fuels that are formed by liquid or sludge, but it includes dewatered sludge.

Keel en

Asendab CEN/TS 15442:2006

**EVS-EN 15443:2011**

Hind 14

Identne EN 15443:2011

**Solid recovered fuels - Methods for the preparation of the laboratory sample**

This European Standard specifies methods for reducing combined samples to laboratory samples and laboratory samples to sub-samples and general analysis samples. The methods described in this European Standard may be used for sample preparation, for example, when the samples are to be tested for bulk density, biomass determination, durability, particle size distribution, moisture content, ash content, ash melting behaviour, calorific value, chemical composition, and impurities. The methods are not intended to be applied to the very large samples required for the testing of bridging properties.

Keel en

Asendab CEN/TS 15443:2006

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**CEN/TS 15234:2006**

Identne CEN/TS 15234:2006

**Solid biofuels - Fuel quality assurance**

This Technical Specification defines the procedures to fulfil the quality requirements and describes measures to ensure adequate confidence that the biofuel specification is fulfilled. This Technical Specification covers the whole chain, from supply of raw materials to point of delivery to the end-user.

Keel en

Asendatud EVS-EN 15234-1:2011

**CEN/TS 15357:2006**

Identne CEN/TS 15357:2006

**Solid recovered fuels - Terminology, definitions and descriptions**

This Technical Specification defines terms concerned in all standardisation work within the scope of CEN/TC 343, i.e. terms used in the field of production and trade of solid recovered fuels that are prepared from non-hazardous waste.

Keel en

Asendatud EVS-EN 15357:2011

**CEN/TS 15358:2006**

Identne CEN/TS 15358:2006

**Solid recovered fuels - Quality management systems - Particular requirements for their application to the production of solid recovered fuels**

This Technical Specification specifies requirements for the quality management system for the production of solid recovered fuels from the reception of waste(s) up to the delivery of solid recovered fuels (Figure 1).

Keel en

Asendatud EVS-EN 15358:2011

**CEN/TS 15400:2006**

Identne CEN/TS 15400:2006

**Solid recovered fuels - Methods for the determination of calorific value**

This Technical Specification specifies a method for the determination of gross calorific value of solid recovered fuels at constant volume and at the reference temperature 25 °C in a bomb calorimeter calibrated by combustion of certified benzoic acid.

Keel en

Asendatud EVS-EN 15400:2011

**CEN/TS 15402:2006**

Identne CEN/TS 15402:2006

**Solid recovered fuels - Methods for the determination of the content of volatile matter**

This Technical Specification specifies the requirements and a method for the determination of volatile matter of solid recovered fuels.

Keel en

Asendatud EVS-EN 15402:2011

**CEN/TS 15403:2006**

Identne CEN/TS 15403:2006

**Solid recovered fuels - Methods for the determination of ash content**

This Technical Specification specifies a method for the determination of ash content of all solid recovered fuels.

Keel en

Asendatud EVS-EN 15403:2011

**CEN/TS 15407:2006**

Identne CEN/TS 15407:2006

**Solid recovered fuels - Method for the determination of carbon (C), hydrogen (H) and nitrogen (N) content**

This Technical Specification describes a method for the determination of total carbon, hydrogen and nitrogen contents in solid recovered fuels by instrumental techniques. This method is applicable for concentrations on dry matter basis of C over 0,1 %, N over 0,01 % and H over 0,1 %.

Keel en

Asendatud EVS-EN 15407:2011

**CEN/TS 15408:2006**

Identne CEN/TS 15408:2006

**Solid recovered fuels - Methods for the determination of sulphur (S), chlorine (Cl), fluorine (F) and bromine (Br) content**

This Technical Specification describes the determination of S, Cl, F and Br in solid recovered fuels of various origin and composition after combustion in oxygen atmosphere. S and Cl can be alternatively determined by direct automatic analysis (see Bibliography for examples of available methods). Other methods could also be used provided that it is demonstrated that they give the same results. This method is applicable for concentrations over 0,025 g/kg, depending on the element and on the determination technique. Insoluble halides and sulphate present in the original sample or produced during the combustion step are not completely determined by these methods. This Technical Specification provides recommendations concerning standardised methods for determination of halides and sulphate in the solution obtained after combustion.

Keel en

Asendatud EVS-EN 15408:2011

**CEN/TS 15414-3:2006**

Identne CEN/TS 15414-3:2006

**Solid recovered fuels - Determination of moisture content using the oven dry method - Part 3: Moisture in general analysis sample**

This Technical Specification specifies a method for the determination of moisture in an analysis sample by drying the sample in an oven. This method is suitable for use for general analysis samples in accordance with prCEN/TS 15414-1. It is applicable to all solid recovered fuels.

Keel en

Asendatud EVS-EN 15414-3:2011

**CEN/TS 15440:2006**

Identne CEN/TS 15440:2006

**Solid recovered fuels - Method for the determination of biomass content**

This Technical Specification specifies two normative methods and one informative method for the determination of the biodegradable/biogenic fraction in solid recovered fuel. The methods are the selective dissolution in sulphuric acid, the manual sorting method and the informative reductionistic method. The methods estimate the biodegradable/biogenic content of solid recovered fuels by determination of the biomass content.

Keel en

Asendatud EVS-EN 15440:2011

**CEN/TS 15442:2006**

Identne CEN/TS 15442:2006

**Solid recovered fuels - Methods for sampling**

This Technical Specification describes methods for taking samples of solid recovered fuels for example from production plants, from deliveries or from stock. It includes manual and mechanical methods.

Keel en

Asendatud EVS-EN 15442:2011

**CEN/TS 15443:2006**

Identne CEN/TS 15443:2006

**Solid recovered fuels - Methods for laboratory sample preparation**

This Technical Specification describes methods for reducing combined samples to laboratory samples and laboratory samples to sub-samples and general analysis samples, and is applicable to solid recovered fuels that are either: - fine and regularly-shaped particulate materials, particle sizes up to about 10 mm that can be sampled using a scoop or pipe, for example: soft and hard pellets; - coarse or irregularly-shaped particulate materials, particle sizes up to about 200 mm that can be sampled using a shovel, for example: fluff, chips and chunks; - large pieces with nominal top size above 200 mm.

Keel en

Asendatud EVS-EN 15443:2011

**CEN/TS 15747:2008**

Identne CEN/TS 15747:2008

**Solid recovered fuels - 14C-based methods for the determination of the biomass content**

This Technical Specification specifies the test methods for the determination of the biomass carbon content in solid recovered fuels based on the 14C content. The biomass fraction by weight and by energy are calculated from the biomass carbon content.

Keel en

Asendatud EVS-EN 15440:2011

**CWA 15293:2005**

Identne CWA 15293:2005

**Automotive fuels - Ethanol E85 - Requirements and test methods**

This CEN Workshop Agreement specifies requirements and test methods for marketed and delivered Ethanol E85. It is applicable to Ethanol E85 for use in spark ignition engine vehicles designed to run on Ethanol E85.

Keel en

Asendatud CEN/TS 15293:2011

**EVS-EN 12846:2002**

Identne EN 12846:2002

**Bitumen and bituminous binders - Determination of efflux time of bitumen emulsions by the efflux viscometer**

This European Standard specifies a method for the determination of the efflux time of bitumen emulsions.*

Keel en

Asendatud EVS-EN 12846-1:2011

**EVS-EN 13357:2003**

Identne EN 13357:2002

**Bitumen and bituminous binders - Determination of the efflux time of petroleum cut-back and fluxed bitumens**

This European Standard specifies a method for the determination of the efflux time (pseudoviscosity) of petroleum cut-back and fluxed bitumens in seconds using an efflux viscometer

Keel en

Asendatud EVS-EN 12846-2:2011

**EVS-EN 13614:2004**

Identne EN 13614:2004

**Bitumen and bituminous binders - Determination of adhesivity of bitumen emulsions by water immersion test - Aggregate method**

This European Standard specifies a method for determining the adhesion of a cationic bitumen emulsion coated onto aggregate when immersed in water.

Keel en

Asendatud EVS-EN 13614:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 15150**

Identne FprEN 15150:2011

Tähtaeg 30.05.2011

**Solid biofuels - Determination of particle density**

This European Standard describes the method for determining the particle density of compressed fuels such as pellets or briquettes. Particle density is not an absolute value and conditions for its determination have to be standardised to enable comparative determinations to be made.

Keel en

Asendab CEN/TS 15150:2005

## 77 METALLURGIA

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 1559-1:2011**

Hind 10,61

Identne EN 1559-1:2011

**Metallivalu. Tehnilised tarnetingimused. Osa 1: Üldinfo**

This part of EN 1559 specifies the general technical delivery conditions for castings made from cast metallic materials except copper alloy castings. This part of EN 1559 is not applicable to metallic castings for further reprocessing such as forging ingots and continuously cast billets and blooms.

Keel en

Asendab EVS-EN 1559-1:2000

**EVS-EN 1560:2011**

Hind 9,27

Identne EN 1560:2011

**Metallivalu. Malmi märgistussüsteem. Materjalitähised ja materjalinumbrid**

This European Standard establishes a material designation system either by symbols or by numbers for cast iron. The designation system by symbols is applicable to: a) standardized cast iron materials (see 2.1); b) non-standardized cast iron materials (see 2.2). The designation system by numbers is only applicable to standardized cast iron materials (see 2.1).

Keel en

Asendab EVS-EN 1560:2000

**EVS-EN 10351:2011**

Hind 14,64

Identne EN 10351:2011

**Chemical analysis of ferrous materials - Inductively coupled plasma optical emission spectrometric analysis of unalloyed and low alloyed steels - Determination of Mn, P, Cu, Ni, Cr, Mo, V, Co, Al (total) and Sn [Routine method]**

This European Standard specifies an inductively coupled plasma optical emission spectrometry routine method for the analysis of unalloyed and low alloyed steels, whose iron content shall be at least 95 %.

Keel en

**EVS-EN ISO 8994:2011**

Hind 5,11

Identne EN ISO 8994:2011

ja identne ISO 8994:2011

**Anodizing of aluminium and its alloys - Rating system for the evaluation of pitting corrosion - Grid method (ISO 8994:2011)**

This International Standard specifies a grid rating system that provides a means of defining levels of performance of anodic oxidation coatings on aluminium and its alloys that have been subjected to corrosion tests. This rating system is applicable to pitting corrosion resulting from - accelerated tests, - exposure to corrosive environments, and - practical service tests. This International Standard takes into account only pitting corrosion of the basis metal resulting from penetration of the protective anodic oxidation coating.

Keel en

Asendab EVS-EN 12373-19:2002

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 1559-1:2000**

Identne EN 1559-1:1997

**Metallivalu. Tehnilised tarnetingimused. Osa 1: Üldinfo**

See EN 1559 standardi osa määrab kindlaks valatud metallmaterjalidest toodetud valandite üldised tehnilised tarnetingimused. Standard ei kehti vasesulamitest valandite kohta.

Keel en

Asendatud EVS-EN 1559-1:2011

**EVS-EN 1560:2000**

Identne EN 1560:1997

**Metallivalu. Malmi märgistussüsteem. Materjalitähised ja materjalinumbrid**

See Euroopa standard kehtestab malmi märgistussüsteemi materjalitähiste või -numbritega.

Keel en

Asendatud EVS-EN 1560:2011

**EVS-EN 12373-2:2001**

Identne EN 12373-2:1998

**Aluminium and aluminium alloys - Anodizing - Part 2: Determination of mass per unit area (surface density) of anodic oxidation coatings - Gravimetric method**

This Part of this European Standard specfies a gravimetric method for determining the mass per unit area (surface density) of anodic oxidation coatings on aluminium and its alloys.

Keel en

Asendatud EVS-EN ISO 2106:2011

**EVS-EN 12373-19:2002**

Identne EN 12373-19:2001

**Aluminium and aluminium alloys - Anodizing - Part 19: Rating system for the evaluation of pitting corrosion - Grid method**

This part of this European Standard specifies a grid rating system that provides a means of defining levels of performance of anodic oxidation coatings on aluminium and its alloys that have been subjected to corrosion tests.

Keel en

Asendatud EVS-EN ISO 8994:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN 10025-1**

Identne prEN 10025-1:2011

Tähtaeg 30.05.2011

**Konstruktsiooniterasest kuumvaltsitud tooted. Osa 1: Üldised tehnilised tarnetingimused**

1.1 This document specifies requirements for flat and long products (see Clause 3) of hot rolled structural steels excluding structural hollow sections and tubes. Part 1 of this document specifies the general delivery conditions. The specific requirements for structural steels are given in the following Parts: Part 2: Technical delivery conditions for non-alloy structural steels Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition The steels specified in this document are intended for use in welded, bolted and riveted structures. 1.2 This document does not apply to coated products or to steel products for general structural applications in accordance with the standards and draft standards listed in the Bibliography.

Keel en

Asendab EVS-EN 10025-1:2006

**prEN 10025-2**

Identne prEN 10025-2:2011

Tähtaeg 30.05.2011

**Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels**

Part 2 of this document, in addition to Part 1, specifies the technical delivery conditions for flat and long products and semi-finished products which are meant for further processing to flat and long products of hot rolled non-alloy quality steels in the grades and qualities given in Tables 1 to 5 (chemical composition) and Tables 6 to 8 (mechanical properties) in the delivery conditions as given in 6.3. Three engineering steels are also specified in this document (see Tables 2 and 4) (chemical composition) and Table 7 (mechanical properties). This document does not apply to structural hollow sections and tubes (see EN 10210-1 and EN 10219-1). The technical delivery conditions apply to: - thicknesses ≥3 mm and ≤150 mm for long products of steel grade S460JR, J0, J2, K2 and S500J0; - thicknesses ≤400 mm for flat products of qualities JR, J0, J2 and K2; - thicknesses ≤250 mm for flat and long products of all other grades and qualities. Products made of steel grades S185, E295, E335 and E360 cannot be CE marked. The steels specified in this Part 2 are not intended to be heat treated except products delivered in delivery condition +N. Stress relief annealing is permitted (see also the NOTE in 7.3.1.1 of prEN 10025-1:2010). Products delivered in +N condition can be hot formed and/or normalized after delivery (see Clause 3).

Keel en

Asendab EVS-EN 10025-2:2005

**prEN 10025-3**

Identne prEN 10025-3:2011

Tähtaeg 30.05.2011

**Hot rolled products of structural steels - Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels**

Part 3 of this document, in addition to part 1, specifies requirements for flat and long products of hot rolled weldable fine grain structural steels in the normalized/normalized rolled delivery condition in the grades and qualities given in Tables 1 to 3 (chemical composition) and Tables 4 to 6 (mechanical properties) in thickness ≤250 mm. In addition to prEN 10025-1:2010 the steels specified in this document are especially intended for use in heavily loaded parts of welded structures such as, bridges, flood gates, storages tanks, water supply tanks, etc., for service at ambient and low temperatures.

Keel en

Asendab EVS-EN 10025-3:2005

**prEN 10025-4**

Identne prEN 10025-4:2011

Tähtaeg 30.05.2011

**Hot rolled products of structural steels - Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels**

Part 4 of this document, in addition to Part 1, specifies requirements for flat and long products of hot rolled weldable fine grain structural steels in the thermomechanical rolled condition in the grades and qualities given in Tables 1 to 3 (chemical composition) and Tables 4 to 6 (mechanical properties) in thickness ≦120 mm for flat products and in thickness ≦150 mm for long products. In addition to prEN 10025-1 the steels specified in this document are especially intended for use in heavily loaded parts of welded structures such as, bridges, flood gates, storage tanks, water supply tanks, etc., for service at ambient and low temperatures.

Keel en

Asendab EVS-EN 10025-4:2005

**prEN 10025-5**

Identne prEN 10025-5:2011

Tähtaeg 30.05.2011

**Hot rolled products of structural steels - Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance**

Part 5 of this document, in addition to part 1, specifies requirements for flat and long products of hot rolled steels with improved atmospheric corrosion resistance in the grades and qualities given in Tables 2 and 3 (chemical composition) and Tables 4 and 5 (mechanical properties) in the usual delivery conditions as given in 6.3. The thicknesses in which products of the steel grades and qualities specified in this document may be supplied are given in Table 1. In addition to prEN 10025-1:2010 the steels specified in this document are especially intended for use in welded, bolted and riveted components which shall have enhanced resistance to atmospheric corrosion, for service at ambient temperatures (subject to the restrictions described in 7.4.1). The steels specified in this Part 5 are not intended to be heat treated except products delivered in the delivery condition +N. Stress relief annealing is permitted (see also the NOTE in 7.3.1.1 of prEN 10025-1:2010). Products delivered in +N condition can be hot formed and/or normalized after delivery (see Clause 3).

Keel en

Asendab EVS-EN 10025-5:2005

**prEN 10025-6**

Identne prEN 10025-6:2011

Tähtaeg 30.05.2011

**Konstruktsiooniterasest kuumvaltsitud tooted. Osa 6: Kõrge voolupiiriga konstruktsiooniterasest valmistatud ning karastatud ja noolutatud tasapinnaliste toodete tehnilised tarnetingimused**

Part 6 of this document, in addition to part 1, specifies requirements for flat products of high yield strength alloy special steels. The grades and qualities are given in Tables 1 to 3 (chemical composition) and Tables 4 to 6 (mechanical properties) and are supplied in the quenched and tempered condition as given in 6.3. The steels specified in this document are applicable to hot-rolled flat products with a minimum nominal thickness of 3 mm and a maximum nominal thickness ≦150 mm for grades S460, S500, S550, S620 and S690, a maximum nominal thickness ≦100 mm for grade S890 and a maximum nominal thickness ≦50 mm for grade S960, in steels which, after quenching and tempering, have a specified minimum yield strength of 460 MPa1) to 960 MPa1).

Keel en

Asendab EVS-EN 10025-6:2005+A1:2009

**prEN 10149-1**

Identne prEN 10149-1:2011

Tähtaeg 30.05.2011

**Kuumvaltsitud tasapinnalised tooted, mis on tehtud kõrge voolavuspiiriga terastest ning on ette nähtud külmsurvevormimiseks. Osa 1: Üldised tarnetingimused**

1.1 This European Standard specifies requirements for flat products made of weldable, hot-rolled, high yield strength alloy quality and special steels for cold forming. Part 1 of this European Standard specifies the general delivery conditions. Part 2 of this European Standard specifies the delivery conditions for thermomechanically rolled steels in the grades given in Table 1 (chemical composition) and Table 2 (mechanical properties) of Part 2. Part 3 of this European Standard specifies the delivery conditions for normalized or normalized rolled steels in the grades given in Table 1 (chemical composition) and Table 2 (mechanical properties) of Part 3. The steels specified in Part 2 and 3 of this European Standard are applicable to hot-rolled flat products in the thickness range of 1,5 mm to 20 mm for the steels with ReH ≤ 460 MPa1) and 1,5 mm to 16 mm for the steels with higher minimum yield strength. 1.2 This European Standard does not apply to products for pressure vessels and products for which other European Standards exist or European Standards dealing with steels for general structural applications are being prepared: - Hot-rolled products of structural steels (see EN 10025-1 to -6). - Hot finished structural hollow sections of non-alloy and fine grain steels (see EN 10210-1).

Keel en

Asendab EVS-EN 10149-1:1999

**prEN 10149-2**

Identne prEN 10149-2:2011

Tähtaeg 30.05.2011

**Kuumvaltsitud tasapinnalised tooted, mis on tehtud kõrge voolavuspiiriga terastest ning on ette nähtud külmsurvevormimiseks. Osa 2: Termomehaaniliselt valtsitud teraste tarnetingimused**

Part 2 of this European Standard, in addition to Part 1, specifies requirements for flat products made of weldable, hot-rolled, high yield strength steels for cold forming. The grades are given in table 1 (chemical composition) and Table 2 (mechanical properties) and are supplied in the thermomechanically rolled delivery condition as given in 7.2. The steels specified in this European Standard are applicable to hot-rolled flat products in the thickness range of: - 1,5 mm to 20 mm for the steels which have a specified minimum yield strength of 315 MPa1) up to and including 460 MPa1); - 1,5 mm to 16 mm for the steels which have a specified minimum yield strength of 500 MPa1) up to and including 700 MPa1) and - 2 mm to 8 mm for the steels which have specified minimum yield strength of 900 MPa1) up to and including 960 MPa1).

Keel en

Asendab EVS-EN 10149-2:1999

**prEN 10149-3**

Identne prEN 10149-3:2011

Tähtaeg 30.05.2011

**Kuumvaltsitud tasapinnalised tooted, mis on tehtud kõrge voolavuspiiriga terastest ning on ette nähtud külmsurvevormimiseks. Osa 3: Normaliseeritud teraste ja normaliseeritud valtsteraste tarnetingimused**

Part 3 of this European Standard, in addition to Part 1, specifies requirements for flat products made of weldable, hot-rolled, high yield strength steels for cold forming. The grades are given in table 1 (chemical composition) and Table 2 (mechanical properties) and are supplied in the normalized or normalized rolled delivery condition as given in 7.2. The steels specified in this European Standard are applicable to hot-rolled flat products in the thickness range of ≥ 1,5 mm and ≤ 20 mm.

Keel en

Asendab EVS-EN 10149-3:1999

**prEN 12449**

Identne prEN 12449:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Seamless, round tubes for general purposes**

This European Standard specifies the composition, property requirements and tolerances on dimensions and form for seamless round drawn copper and copper alloy tubes for general purposes supplied in the size range from 3 mm up to and including 450 mm outside diameter and from 0,3 mm up to and including 20 mm wall thickness. The sampling procedures and the methods of test for verification of conformity to the requirements of this standard are also specified.

Keel en

Asendab EVS-EN 12449:2000

**prEN 13347**

Identne prEN 13347:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Rod and wire for welding and braze welding**

This European Standard specifies the composition, property requirements and dimensional tolerances for copper and copper alloy rod and wire intended for welding and braze welding purposes. The sampling procedures and the methods of test for verification of conformity to the requirements of this standard are also specified.

Keel en

Asendab EVS-EN 13347:2003

**prEN 13600**

Identne prEN 13600:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Seamless copper tubes for electrical purposes**

This European Standard specifies the composition, property requirements including electrical properties, and tolerances on dimensions and form for seamless drawn copper tubes for electrical purposes, delivered in straight lengths or alternatively in level wound coils with the cross-sections and size ranges below: - for round tubes in straight lengths with outside diameters from 3 mm up to and including 450 mm and wall thicknesses from 0,3 mm; - for round tubes in level wound coils with outside diameters from 3 mm up to and including 30 mm and wall thicknesses from 0,3 mm; - for square and rectangular tubes with major outside dimension from 5 mm up to and including 150 mm and wall thicknesses from 0,5 mm up to and including 10 mm. The sampling procedures and the methods of test for verification of conformity to the requirements of this standard are also specified.

Keel en

Asendab EVS-EN 13600:2002

**prEN 13601**

Identne prEN 13601:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Copper rod, bar and wire for general electrical purposes**

This European Standard specifies the composition, property requirements including electrical properties, and tolerances on dimensions and form for copper rod, bar and wire for general electrical purposes. Cross-sections and size ranges are: - round, square and hexagonal rod with diameters or widths across-flats from 2 mm up to and including 160 mm; - bar with thicknesses from 2 mm up to and including 40 mm and widths from 3 mm up to and including 200 mm; - round, square, hexagonal and rectangular wire with diameters or widths across-flats from 2 mm up to and including 25 mm, as well as thicknesses from 0,5 mm up to and including 12 mm with widths from 1 mm up to and including 200 mm. The sampling procedures and the methods of test for verification of conformity to the requirements of this standard are also specified.

Keel en

Asendab EVS-EN 13601:2002

**prEN 13602**

Identne prEN 13602:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Drawn, round copper wire for the manufacture of electrical conductors**

This European Standard specifies the composition, property requirements including electrical properties, and dimensional tolerances for drawn round copper wire from 0,04 mm up to and including 5,0 mm for the manufacture of electrical conductors intended for the production of bare and insulated cables and flexible cords. This standard covers plain or tinned, single or multiline, annealed or hard drawn wire. It does not include wire for enamelling (winding wire, magnet wire), for electronic application and for contact wire for electric traction. The sampling procedures, the methods of test for verification of conformity to the requirements of this standard and the delivery conditions are also specified.

Keel en

Asendab EVS-EN 13602:2002

**prEN 13603**

Identne prEN 13603:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Test methods for assessing protective tin coatings on drawn round copper wire for electrical purposes**

This European Standard specifies methods for assessing the tin coating on drawn round copper wire for the manufacture of electrical conductors, e.g. according to EN 13602. Standard includes test methods for the determination of the following characteristics: a) thickness of the unalloyed tin coating; b) continuity of the tin coating; c) adherence of the tin coating. WARNING - This standard can involve the use of hazardous materials, operations, and equipment. This standard does not purport to address all of the safety problems associated with their use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13603:2002

**prEN 13604**

Identne prEN 13604:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Semiconductor devices, electronic and vacuum products made from high conductivity copper**

This European Standard specifies the composition, property requirements including electrical properties and tolerances on dimensions and form of, semiconductor devices, electronic and vacuum products in two copper grates Cu-OFE (CW009A) and Cu-PHCE (CW022A), in the form of wrought products, e.g. plate, sheet, strip, seamless tube, rod, bar, wire, profiles. The sampling procedures, the methods of test for verification of conformity to the requirements of this standard, and the delivery conditions are also specified. This European Standard applies to the wrought copper products as delivered to the device manufacturer, i.e. for further fabrication.

Keel en

Asendab EVS-EN 13604:2002

**prEN 13605**

Identne prEN 13605:2011

Tähtaeg 30.05.2011

**Copper and copper alloys - Copper profiles and profiled wire for electrical purposes**

This European Standard specifies the composition, property requirements including electrical properties, and tolerances on dimensions and form for copper profiles and profiled wire for electrical purposes which would fit within a circumscribing circle of maximum 180 mm diameter. The sampling procedures, the methods of test for verification of conformity to the requirements of this standard, and the delivery conditions are also specified.

Keel en

Asendab EVS-EN 13605:2002

**prEN ISO 9513**

Identne prEN ISO 9513:2011

ja identne ISO/DIS 9513:2011

Tähtaeg 30.05.2011

**Metallic materials - Calibration of extensometer systems used in uniaxial testing (ISO/DIS 9513:2011)**

This International Standard specifies a method for the static calibration of extensometer systems used in uniaxial testing, including axial and diametral extensometry systems, both contacting and non-contacting.

Keel en

Asendab EVS-EN ISO 9513:2003

## 83 KUMMI- JA PLASTITÖÖSTUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN ISO 10350-2:2011**

Hind 7,93

Identne EN ISO 10350-2:2011

ja identne ISO 10350-2:2011

**Plastikud. Võrreldavate ühe punkti andmete tuletamine ja esitamine. Osa 2: Pika kiuga tugevdatud (armeeritud) plastikud (ISO 10350-2:2011)**

ISO 10350 identifies specific test procedures for the acquisition and presentation of comparable data for certain basic properties of plastics. In general, each property is specified by a single experimental value, although in certain cases properties are represented by two values obtained under different test conditions or along different directions in the material. The properties included are those presented conventionally in manufacturers' data sheets. This part of ISO 10350 applies to reinforced thermoplastic and thermosetting materials where the reinforcement fibres are either discontinuous with a fibre length prior to processing greater than 7,5 mm or continuous (e.g. fabric, continuous-strand mat or unidirectional). Part 1 of this International Standard deals specifically with unreinforced and filled plastics, including those using fibres less than 7,5 mm in length.

Keel en

Asendab EVS-EN ISO 10350-2:2002

## ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS-EN ISO 10350-2:2002**

Identne EN ISO 10350-2:2001

ja identne ISO 10350-2:2001

**Plastics - Acquisition and presentation of comparable single-point data - Part 2: Long-fibre-reinforced plastics**

This standard identifies specific test procedures for the acquisition and presentation of comparable data for certain basic properties of plastic.

Keel en

Asendatud EVS-EN ISO 10350-2:2011

## KAVANDITE ARVAMUSKÜSITLUS

**EN ISO 1628-1:2009/prA1**

Identne EN ISO 1628-1:2009/prA1:2011

ja identne ISO 1628-1:2009/DAM 1:2011

Tähtaeg 30.05.2011

**Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles (ISO 1628-1:2009/DAM 1:2011)**

This part of ISO 1628 defines the general conditions for the determination of the reduced viscosity, intrinsic viscosity and K-value of organic polymers in dilute solution. It defines the standard parameters that are applied to viscosity measurement, and can be used to develop standards for measuring the viscosities in solution of individual types of polymer. It can also be used to measure and report the viscosities of polymers in solution for which no separate standards exist.

Keel en

**prEN 13900-6**

Identne prEN 13900-6:2011

Tähtaeg 30.05.2011

**Pigments and extenders - Methods of dispersion and assessment of dispersability in plastics - Part 6: Determination by film test**

This part of EN 13900 specifies a method assessing the degree of dispersion of colorants1) and/or extenders in a thermoplastic polymer. The method is suitable for testing colorants and/or extenders in the form of concentrates or compounds in all polymers used for extrusion processes. Note Defects, like gels, black specks, holes in the test film etc. are not in the scope of this standard;. The film test result determined according to this method is valid only for the equipment, conditions and test polymer being used. The use of test conditions differing from those specified might give different results. The preparation methods of concentrates or compounds are not specified in this standard. The results obtained for individual colorants and/or extenders are therefore comparable only when the same conditions of preparation for concentrates or compounds and a comparable detection system are used.

Keel en

**prEN 16240**

Identne prEN 16240:2011

Tähtaeg 30.05.2011

**Light transmitting flat solid polycarbonate (PC) sheets for internal and external roofs, walls and ceilings - Requirements and test methods**

This European Standard specifies the requirements for light transmitting flat solid polycarbonate (PC) sheets for internal and external use in walls, roofs and ceilings. This European standard applies to light transmitting flat extruded solid PC sheets of minimum thickness 2 mm, without or with uniform functional layers (e.g. coating, co-extruded layer) made from PC-based or other plastics materials. It also specifies the test methods needed for the evaluation of conformity and marking of the sheets.

Keel en

**prEN 16245-1**

Identne prEN 16245-1:2011

Tähtaeg 30.05.2011

**Fibre-reinforced plastic composites - Declaration of raw material characteristics - Part 1: General requirements**

This part of the standard specifies the minimum general information to be declared for materials to be used for manufacturing fibre-reinforced plastic composites products. This document includes requirements for the certificate of analysis (CoA). The purpose of the CoA is to verify that material properties and quality conforms to the declared values. This part of the standard is applicable to resins, curing systems, additives and modifiers, fibres, fabrics and core materials. The current version of the standard includes the following: - the thermoset resins polyesters and vinyl esters; - glass and carbon fibres; - knitted/stitched fabrics; - foam core and balsa core.

Keel en

**prEN 16245-2**

Identne prEN 16245-2:2011

Tähtaeg 30.05.2011

**Fibre-reinforced plastic composites - Declaration of raw material characteristics - Part 2: Specific requirements for resin, curing systems, additives and modifiers**

This part of the standard specifies the minimum information to be declared for resins, curing systems, additives and modifiers to be used for the manufacturing of composites products. These specific declaration requirements are in addition to the general requirements given in part 1 of this standard (i.e. EN 16245-1). This document includes requirements for the certificate of analysis (CoA). The purpose of the CoA is to verify that material properties and quality conforms to the declared values.

Keel en

**prEN 16245-3**

Identne prEN 16245-3:2011

Tähtaeg 30.05.2011

**Fibre-reinforced plastic composites - Declaration of raw material characteristics - Part 3: Specific requirements for fibre**

This part of the standard specifies the minimum information to be declared for fibre material to be used for the manufacturing of composites products. These specific declaration requirements are given in addition to the general requirements given in the part 1 of this standard (prEN 16245-1). This document includes requirements for the certificate of analysis (CoA). The purpose of the CoA is to verify that material properties and quality conforms to the declared values. This part of the standard is applicable to carbon and glass fibre material.

Keel en

**prEN 16245-4**

Identne prEN 16245-4:2011

Tähtaeg 30.05.2011

**Fibre-reinforced plastic composites - Declaration of raw material characteristics - Part 4: Specific requirements for fabrics**

This part of the standard specifies the minimum information to be declared for fabrics to be used for the manufacturing of composites products. These specific declaration requirements are in addition to the general requirements given in part 1 of this standard (i.e. prEN 16245-1). This document includes requirements for the certificate of analysis (CoA). The purpose of the CoA is to verify that material properties and quality conforms to the declared values. This part of the standard is applicable to uni-axial and multi-axial fabric material.

Keel en

**prEN 16245-5**

Identne prEN 16245-5:2011

Tähtaeg 30.05.2011

**Fibre-reinforced plastic composites - Declaration of raw material characteristics - Part 5: Specific requirements for core materials**

This part of the standard specifies the minimum information to be declared for core materials to be used for the manufacturing of composites products. These specific declaration requirements are in addition to the general requirements given in part 1 of this standard (i.e. prEN 16245-1). This document includes requirements for the certificate of analysis (CoA). The purpose of the CoA is to verify that material properties and quality conforms to the declared values. This part of the standard is applicable to rigid foam and balsa core material.

Keel en

**prEN 16254**

Identne prEN 16254:2011

Tähtaeg 30.05.2011

**Adhesives - Emulsion polymerized isocyanate (EPI) for loadbearing timber structures - Classification and performance requirements**

This European Standard establishes a classification for emulsion polymerized isocyanate (EPI) adhesives according to their suitability for use in load-bearing timber structures in defined climatic exposure conditions, and specifies performance requirements for such adhesives for the industrial manufacture of load-bearing timber structures only. The performance requirements of this standard apply to the adhesive only, not to the structure. This standard is primarily intended for the use of adhesive manufacturers and for the use in timber structures bonded with adhesives, to assess or control the quality of adhesives. This standard only specifies the performance of an adhesive for use in an environment corresponding to the defined conditions. Such an adhesive meeting the requirements of this standard for its type is adequate for use in a load-bearing timber structure, provided that the bonding process has been carried out according to an appropriate product standard.

Keel en

**prEN ISO 1183-1**

Identne prEN ISO 1183-1:2011

ja identne ISO/DIS 1183-1:2011

Tähtaeg 30.05.2011

**Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pyknometer method and titration method (ISO/DIS 1183-1:2011)**

This part of ISO 1183 specifies three methods for the determination of the density of non-cellular plastics in the form of void-free moulded or extruded objects, as well as powders, flakes and granules. - Method A: Immersion method, for solid plastics (except for powders) in void-free form. - Method B: Liquid pyknometer method, for particles, powders, flakes, granules or small pieces of finished parts. - Method C: Titration method, for plastics in any void-free form.

Keel en

Asendab EVS-EN ISO 1183-1:2004

**prEN ISO 5659-2**

Identne prEN ISO 5659-2:2011

ja identne ISO/DIS 5659-2:2011

Tähtaeg 30.05.2011

**Plastid. Suitsu teke. Osa 2: Optilise tiheduse määramine ühe kambri katselt (ISO/DIS 5659-2:2011)**

1.1 This part of ISO 5659 specifies a method of measuring smoke production from the exposed surface of specimens of essentially flat materials, composites or assemblies not exceeding 25 mm in thickness when placed in a horizontal orientation and subjected to specified levels of thermal irradiance in a closed cabinet with or without the application of a pilot flame. This method of test is applicable to all plastics and may also be used for the evaluation of other materials (e.g. rubbers, textile-coverings, painted surfaces, wood and other materials). 1.2 It is intended that the values of optical density determined by this test be taken as specific to the specimen or assembly material in the form and thickness tested, and are not to be considered inherent, fundamental properties. 1.3 The test is intended primarily for use in research and development and fire safety engineering in buildings, trains, ships, etc. and not as a basis for ratings for building codes or other purposes. No basis is provided for predicting the density of smoke that may be generated by the materials upon exposure to heat and flame under other (actual) exposure conditions. This test procedure excludes the effect of irritants on the eye. 1.4 It is emphasized that smoke production from a material varies according to the irradiance level to which the specimen is exposed. In making use of the results of this method, it should be borne in mind that the results are based on exposure to the specific irradiance levels of 25 kW/m2 and 50 kW/m2.

Keel en

Asendab EVS-EN ISO 5659-2:2007

## 85 PABERITEHNOLOOGIA

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 60819-3-3**

Identne FprEN 60819-3-3:2011

ja identne IEC 60819-3-3:201X

Tähtaeg 30.05.2011

**Non-cellulosic papers for electrical purposes - Part 3: Specifications for individual materials - Sheet 3: Unfilled aramid (aromatic polyamide) papers**

This sheet of IEC 60819-3 specifies requirements for four types of unfilled aramid papers: Type 1: Calendered paper. Type 2: Calendered paper, with improved tearing resistance and conformability. Type 3: Uncalendered paper. Type 4: Calendered paper, with lower density for laminating. Materials which conform to this specification meet established levels of performance. However, the selection of material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

Asendab EVS-EN 60819-3-3:2006

**prEN ISO 12625-7**

Identne prEN ISO 12625-7:2011

ja identne ISO/DIS 12625-7:2011

Tähtaeg 30.05.2011

**Tissue paper and tissue products - Part 7: Determination of optical properties - Measurement of brightness and colour (ISO/DIS 12625-7:2011)**

This part of ISO 12625 specifies testing procedures for the instrumental determination of brightness and colour of tissue paper and tissue products. It also gives specific instructions for the preparation of test pieces (single-ply, multi-ply products) and for the optical measurements of products, where special precautions may be necessary.

Keel en

Asendab EVS-EN ISO 12625-7:2007

## 87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN ISO 2811-1:2011**

Hind 7,93

Identne EN ISO 2811-1:2011

ja identne ISO 2811-1:2011

**Paints and varnishes - Determination of density - Part 1: Pyknometer method (ISO 2811-1:2011)**

This part of ISO 2811 specifies a method for determining the density of paints, varnishes and related products using a metal or Gay-Lussac pyknometer. The method is limited to materials of low or medium viscosity at the temperature of test. The Hubbard pyknometer (see ISO 3507) can be used for highly viscous materials.

Keel en

Asendab EVS-EN ISO 2811-1:2002

**EVS-EN ISO 2811-2:2011**

Hind 7,29

Identne EN ISO 2811-2:2011

ja identne ISO 2811-2:2011

**Paints and varnishes - Determination of density - Part 2: Immersed body (plummet) method (ISO 2811-2:2011)**

This part of ISO 2811 specifies a method for determining the density of paints, varnishes and related products, using balls or other round bodies as immersion bodies (plummets). The method is limited to materials of low or medium viscosity, and is particularly suitable for production control.

Keel en

Asendab EVS-EN ISO 2811-2:2002

**EVS-EN ISO 2811-3:2011**

Hind 7,29

Identne EN ISO 2811-3:2011

ja identne ISO 2811-3:2011

**Paints and varnishes - Determination of density - Part 3: Oscillation method (ISO 2811-3:2011)**

This part of ISO 2811 specifies a method for determining the density of paints, varnishes and related products using an oscillator. The method is suitable for all materials, including paste-like coatings. If a pressure-resistant type of apparatus is used, the method is also applicable to aerosols.

Keel en

Asendab EVS-EN ISO 2811-3:2002

**EVS-EN ISO 2811-4:2011**

Hind 7,29

Identne EN ISO 2811-4:2011

ja identne ISO 2811-4:2011

**Paints and varnishes - Determination of density - Part 4: Pressure cup method (ISO 2811-4:2011)**

This part of ISO 2811 specifies a method for determining the density of paints, varnishes and related products using a pressure cup. The method is suitable for products which are aerated. Emulsion paints, for example, often trap small air bubbles, and these might still be present when the density is measured. It is not, however, suitable for textured paints which contain coarse particles.

Keel en

Asendab EVS-EN ISO 2811-4:2002

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN ISO 2811-2:2002**

Identne EN ISO 2811-2:2001

ja identne ISO 2811-2:1997

**Paints and varnishes - Determination of density - Part 2: Immersed body (plummet) method**

This standard is one of a series of standards dealing with the sampling and testing of paints, varnishes and related products. It specifies a test method for determining the density of paints, varnishes and related products using balls or other round bodies as immersion bodies (plummets). The method is limited to testing materials of low or medium viscosity, and is particulary suitable for production control.

Keel en

Asendatud EVS-EN ISO 2811-2:2011

**EVS-EN ISO 2811-3:2002**

Identne EN ISO 2811-3:2001

ja identne ISO 2811-3:1997

**Paints and varnishes - Determination of density - Part 3: Oscillation method**

This standard specifies a test method for determining the density of paints, varnishes and related products using an oscillator. The method is suitable for all materials, including paste-like coatings. A pressure-resistant type of apparatus is also applicable for aerosols.

Keel en

Asendatud EVS-EN ISO 2811-3:2011

**EVS-EN ISO 2811-4:2002**

Identne EN ISO 2811-4:2001

ja identne ISO 2811-4:1997

**Paints and varnishes - Determination of density - Part 4: Pressure cup method**

This standard specifies a test method for determining the density of paints, varnishes and related products using a pressure cup. The method is suitable for testing samples, which may be aerated. Emulsion paints, for example, often trap small air bubbles, which may still be present when the density is measured. It is not however suitable for textured paints which contain coarse particles.

Keel en

Asendatud EVS-EN ISO 2811-4:2011

**EVS-EN ISO 2811-1:2002**

Identne EN ISO 2811-1:2001 + AC:2006

ja identne ISO 2811-1:1997

**Paints and varnishes - Determination of density - Part 1: Pycnometer method**

This standard specifies a test method for determining the density of paints, varnishes and related products using a pycnometer. This method is limited to testing materials of low or medium viscosity at the temperature of test. The Hubbard-pycnometer can be used for highly viscous materials.

Keel en

Asendatud EVS-EN ISO 2811-1:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**prEN ISO 11997-2**

Identne prEN ISO 11997-2:2011

ja identne ISO/DIS 11997-2:2011

Tähtaeg 30.05.2011

**Paints and varnishes - Determination of resistance to cyclic corrosion conditions - Part 2: Wet (salt fog)/dry/humidity/UV light (ISO/DIS 11997-2:2011)**

This part of ISO 11997 specifies a test method of determining resistance of coatings to a defined cycle of wet (salt fog)/dry/humidity/UV light conditions using a specified solution.

Keel en

Asendab EVS-EN ISO 11997-2:2006

**prEN ISO 15091**

Identne prEN ISO 15091:2011

ja identne ISO/DIS 15091:2011

Tähtaeg 30.05.2011

**Paints and varnishes - Determination of the electrical conductivity and the specific electrical resistivity (ISO 15091:2011)**

This standard specifies a method for measuring the electrical conductivity and the electrical resistance of coating materials. The method is applicable to products having a conductivity less than 5 µS/cm, corresponding to a resistivity greater than 200 kΩ • cm. The specific electrical conductivity of coating materials influences their processibility in the electric field. This is particularly important for electrodeposition paints and coating materials which are processed electrostatically.

Keel en

## 91 EHITUSMATERJALID JA EHITUS

**UUED STANDARDID JA PUBLIKATSIOONID**

**CEN/TR 16142:2011**

Hind 16,36

Identne CEN/TR 16142:2011

**Concrete - A study of the characteristic leaching behaviour of hardened concrete for use in the natural environment**

This Technical Report describes a method for characterising the time-dependent leaching behaviour of components from hardened concrete, for use in the natural environment. This method specifies the procedures for determining the controlling mechanism(s) for leaching of components, their effective diffusion coefficients, in the case of diffusion-control and their cumulative release behaviour over any period of time. This characterisation method consists of two leaching test procedures. A potential or availability (pulverised specimen) test and a diffusion (tank) [monolithic specimen] test. The test procedures produce leachates, the analytical procedures for which are not included in this Technical Report. This Technical Report does not comprise a compliance method.

Keel en

**EVS-EN 1113:2008+A1:2011**

Hind 10,61

Identne EN 1113:2008+A1:2011

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

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

Keel en

Asendab EVS-EN 1113:2008

**EVS-EN 1520:2011**

Hind 21,47

Identne EN 1520:2011

**Korekergbetoonist valmiselemendid arvutusliku ja konstruktiivse sarrusega**

This European Standard is for prefabricated components of lightweight aggregate concrete (LAC) with open structure and with structural or non-structural reinforcement intended to be used in building construction a) for structural elements: - loadbearing wall components (solid, hollow core or multilayer) - retaining wall components (solid) with or without surcharge loading; - roof components (solid, hollow core or multilayer); - floor components (solid, hollow core or multilayer); - linear components (beams or piers). b) for non-structural elements: - non-loadbearing wall components (e.g. for partition walls); - cladding components (without fixtures) intended to be used for external facades of buildings; - small box culverts used to form channels for the enclosure of services; - components for noise barriers.

Keel en

Asendab EVS-EN 1520:2004

**EVS-EN 1933:2011**

Hind 5,88

Identne EN 1933:1998

**Exterior blinds - Resistance to load due to water accumulation - Test method**

This European Standard specifies a test method for determining the ability of exterior blinds to resist loads caused by the retention of rain water by the fabric. This Standard is applicable to exterior blinds forming an overhang when they are in extended position. These are: - folding arm blind; - trellis arm blind; - adjustable or fixed Dutch awning.

Keel en

**EVS-EN 12846-1:2011**

Hind 7,93

Identne EN 12846-1:2011

**Bitumen and bituminous binders - Determination of efflux time by the efflux viscometer - Part 1: Bituminous emulsions**

This European Standard specifies a method for the determination of the efflux time at 40 °C of bituminous emulsions in seconds using an efflux viscometer. Alternative test temperature is 50 °C. NOTE The procedure described in this standard may also be followed to determine efflux time at other temperatures such as for instance 25 °C. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 12846:2002

**EVS-EN 12846-2:2011**

Hind 7,29

Identne EN 12846-2:2011

**Bitumen and bituminous binders - Determination of the efflux time by the efflux viscometer - Part 2: Cut-back and fluxed bituminous binders**

This European Standard specifies a method for the determination of the efflux time at 25 °C of petroleum cutback and fluxed bituminous binders in seconds using an efflux viscometer. Alternative test temperatures are 40 °C, 50 °C and 60 °C. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13357:2003

**EVS-EN 15037-2:2009+A1:2011**

Hind 14

Identne EN 15037-2:2009+A1:2011

**Betoonvalmistooted. Tala-plokk-vahelaesüsteemid. Osa 2: Betoonblokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in normal or lightweight aggregate concrete, used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-in-situ concrete for the construction of beam-and-block floor and roof systems. Examples of typology of floor and roof systems are given in Annex B of EN 15037-1:2008.

Keel en

Asendab EVS-EN 15037-2:2009

**EVS-EN 15037-3:2009+A1:2011**

Hind 14

Identne EN 15037-3:2009+A1:2011

**Betoonvalmistooted. Tala-plokk-vahelaesüsteemid. Osa 3: Keraamilised blokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in clay, used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-insitu concrete for the construction of beam-and-block floor and roof systems. Examples of typology of floor and roof systems are given in Annex B of EN 15037-1:2008.

Keel en

Asendab EVS-EN 15037-3:2009

**EVS-EN 15316-4-8:2011**

Hind 14

Identne EN 15316-4-8:2011

**Heating systems in buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-8: Space heating generation systems, air heating and overhead radiant heating systems**

This European Standard is part of a series of standards on the method for calculation of system energy requirements and system efficiencies. The scope of this specific part is to standardise the: - required inputs; - calculation method; - resulting outputs for space heating generation by: a) air heating systems, including control, and b) overhead radiant heating systems for non-domestic use , including control. This European Standard does not apply to air heating systems that utilise water as a heat transfer medium.

Keel en

**EVS-EN 15643-2:2011**

Hind 12,65

Identne EN 15643-2:2011

**Sustainability of construction works - Assessment of buildings - Part 2: Framework for the assessment of environmental performance**

This European Standard forms one part of a series of European Standards and provides the specific principles and requirements for the assessment of environmental performance of buildings taking into account technical characteristics and functionality of a building. Assessment of environmental performance is one aspect of sustainability assessment of buildings under the general framework of EN 15643-1. The framework applies to all types of buildings and it is relevant for the assessment of the environmental performance of new buildings over their entire life cycle, and of existing buildings over their remaining service life and end of life stage. In this series of standards, the environmental dimension of sustainability is limited to the assessment of environmental impacts and aspects of a building on the local, regional and global environment. The assessment is on Life Cycle Assessment and additional quantifiable environmental information expressed with quantified indicators. It excludes the assessment of a building's influence on the environmental impacts and aspects of the local infrastructure beyond the area of the building site, and environmental impacts and aspects resulting from transportation of the users of the building. It also excludes environmental risk assessment. The standards developed under this framework do not set the rules for how different building assessment schemes may provide valuation methods. Nor do they prescribe levels, classes or benchmarks for measuring performance.

Keel en

**EVS-EN 61770:2009/AC:2011**

Hind 0

Identne EN 61770:2009/AC:2011

**Veevõrguga ühendatud elektriseadmed. Tagasivoolu ja voolikute tõrke vältimine**

Keel en

**EVS-EN 62305-1:2011**

Hind 17,32

Identne EN 62305-1:2011

ja identne IEC 62305-1:2010

**Piksekaitse. Osa 1: Üldpõhimõtted**

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.

Keel en

Asendab EVS-EN 62305-1:2007

**EVS-EN 62305-3:2011**

Hind 24,09

Identne EN 62305-3:2011

ja identne IEC 62305-3:2010

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsikalised kahjustused ja oht elule**

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.

Keel en

Asendab EVS-EN 62305-3:2007; EVS-EN 62305-3:2007/A11:2009; EVS-EN 62305-3:2007/AC:2008

**EVS-EN 62305-4:2011**

Hind 20,13

Identne EN 62305-4:2011

ja identne IEC 62305-4:2010

**Piksekaitse. Osa 4: Ehitiste elektri- ja elektroonikasüsteemid**

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 [1] 1 and in the IEC 61000 series [2]. 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

Asendab EVS-EN 62305-4:2006

**EVS-EN 62561-4:2011**

Hind 10,61

Identne EN 62561-4:2011

ja identne IEC 62561-4:2010

**Lightning Protection System Components (LPSC) - Part 4: Requirements for conductor fasteners**

This Part 4 of IEC 62561 deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used in conjunction with the air termination, down conductor and earth termination system. This standard does not cover the fixing of conductor fasteners to the fabric/membrane/gravel roofing of structures due to the vast number and types used in modern day construction. LPSC may also be suitable for use in hazardous atmospheres. Regard should then be taken of the extra requirements necessary for the components to be installed in such conditions

Keel en

Asendab EVS-EN 50164-4:2008

**EVS-HD 60364-4-42:2011**

Hind 12,02

Identne HD 60364-4-42:2011

ja identne IEC 60364-4-42:2010

**Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects**

This part of IEC 60364 applies to electrical installations with regard to measures for the protection of persons, livestock and property against - thermal effects, combustion or degradation of materials, and risk of burns caused by electrical equipment, - flames in case of a fire hazard being propagated from electrical installations to other fire compartments segregated by barriers which are in the vicinity, and - the impairment of the safe functioning of electrical equipment including safety services.

Keel en

Asendab EVS-HD 384.4.42 S1:2003; EVS-IEC 60364-4-42:2003

**EVS-HD 60364-5-52:2011**

Hind 21,47

Identne HD 60364-5-52:2011

ja identne IEC 60364-5-52:2009+corr:2011

**Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems**

Part 5-52 of IEC 60364 deals with the selection and erection of wiring systems.

Keel en

Asendab EVS-HD 384.5.52 S1:2003; EVS-HD 384.5.523 S2:2003

**EVS 812-8:2011**

Hind 15,53

**Ehitiste tuleohutus. Osa 8: Kõrghoonete tuleohutus**

Standard käsitleb kõrghoonete tuleohutust, välja arvatud aatriumruumidega hooned.

Keel et

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 651:1999/A1:2004**

Identne EN 651:1996/A1:2003

**Elastsed põrandakatted. Vahtaluskihiga polüvinüülkloriid-põrandakatted. Tehnilised andmed**

Käesolev standard määrab kindlaks selliste polüvinüülkloriidil põhinevate vahtaluskihil põrandakatete tunnused, mida turustatakse plaatidena või rullmaterjalina. Julgustamaks tarbijat tegema asjatundlikku valikut, kirjeldab standard kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus elastsete põrandakatete kasutamine peaks ekspluatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele

Keel en

Asendatud EVS-EN 651:2011

**EVS-EN 1520:2004**

Identne EN 1520:2002 + AC:2003

**Korekergbetoonist sarrustatud valmiselemendid**

Standard käsitleb korekergbetoonist sarrustatud valmiselemente, mis on ette nähtud kasutamiseks ehituskonstruktsioonide kandvate elementidena ja mittekandvate elementidena.

Keel et

Asendatud EVS-EN 1520:2011

**EVS-EN 12846:2002**

Identne EN 12846:2002

**Bitumen and bituminous binders - Determination of efflux time of bitumen emulsions by the efflux viscometer**

This European Standard specifies a method for the determination of the efflux time of bitumen emulsions.*

Keel en

Asendatud EVS-EN 12846-1:2011

**EVS-EN 13357:2003**

Identne EN 13357:2002

**Bitumen and bituminous binders - Determination of the efflux time of petroleum cut-back and fluxed bitumens**

This European Standard specifies a method for the determination of the efflux time (pseudoviscosity) of petroleum cut-back and fluxed bitumens in seconds using an efflux viscometer

Keel en

Asendatud EVS-EN 12846-2:2011

**EVS-EN 13614:2004**

Identne EN 13614:2004

**Bitumen and bituminous binders - Determination of adhesivity of bitumen emulsions by water immersion test - Aggregate method**

This European Standard specifies a method for determining the adhesion of a cationic bitumen emulsion coated onto aggregate when immersed in water.

Keel en

Asendatud EVS-EN 13614:2011

**EVS-EN 15037-2:2009**

Identne EN 15037-2:2009

**Betoonvalmistooted. Tala-plokk-vahelaesüsteemid. Osa 2: Betoonblokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in normal or lightweight aggregate concrete, used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-in-situ concrete for the construction of beam-and-block floor and roof systems. Examples of typology of floor and roof systems are given in Annex B of EN 15037-1:2008.

Keel en

Asendatud EVS-EN 15037-2:2009+A1:2011

**EVS-EN 15037-3:2009**

Identne EN 15037-3:2009

**Betoonvalmistooted. Tala-plokk-vahelaesüsteemid. Osa 3: Keraamilised blokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in clay, used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-in-situ concrete for the construction of beam-and-block floor and roof systems. Examples of typology of floor and roof systems are given in Annex B of EN 15037-1:2008.

Keel en

Asendatud EVS-EN 15037-3:2009+A1:2011

**EVS-EN 50164-4:2008**

Identne EN 50164-4:2008

**Lightning protection components (LPC) -- Part 4: Requirements for conductor fasteners**

This European standard specifies requirements and tests for: − metallic and non-metallic conductor fasteners that are used in conjunction with the air termination system and down conductors; − fixing of fasteners to the fabric / membrane / gravel roofing of structures is not covered by this standard due to the vast number and types used in modern day construction. LPC may also be suitable for use in hazardous atmospheres. Regard should then be taken of the extra requirements necessary for the components to be installed in such conditions.

Keel en

Asendatud EVS-EN 62561-4:2011

**EVS-EN 62305-1:2007**

Identne EN 62305-1:2006 + AC:2006

ja identne IEC 62305-1:2006

**Piksekaitse. Osa 1: Üldpõhimõtted**

Standardi IEC 62305 käesolevas osas on toodud üldpõhimõtted, mida peab järgima
- nii ehitiste, ehitiste sisaldiste ja seadmestiku kui ka inimeste ning
- ehitisega seotud tehnovõrkude piksekaitsel.

Käesoleva standardi käsitlusalasse ei kuulu
- raudteesüsteemid;
- sõidukid, laevad, lennukid, merre ehitatud rajatised;
- maa-alused kõrgrõhutorustikud;
- torud ning elektri- ja telekommunikatsiooniliinid, mis ei ole ehitistega ühendatud.

Märkus. Tavaliselt rakenduvad nendele süsteemidele vastavate erinevate ametkondade poolt kehtestatud erieeskirjad.

Keel et

Asendab EVS-IEC 61024-1-1:2003

Asendatud EVS-EN 62305-1:2011

**EVS-EN 62305-3:2007**

Identne EN 62305-3:2006+AC:2006

ja identne IEC 62305-3:2006

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsikalised kahjustused ja oht elule**

IEC 62305 käesolev osa esitab nõuded ehitise kaitseks füüsilise kahjustamise vastu piksekaitsesüsteemi (LPS) abil ja elusolendite traumade vältimiseks puute- ning sammupingetega piksekaitsesüsteemi lähedal (vt IEC 62305-1).
Standard on rakendatav:
- ehitiste piksekaitsesüsteemide projekteerimisel, paigaldamisel, ülevaatustel ja hooldustel ilma piiranguteta ehitiste kõrgusele;
- meetmete ettevalmistamisel elusolendite kaitseks puute- ja sammupingetega traumeerimise vastu.
Märkus 1. Plahvatusohu tõttu ümbrusele ohtlike ehitiste piksekaitse-süsteemidele on esitatavad erinõuded ettevalmistamisel. Lisas D on ajutiseks kasutamiseks toodud täiendav informatsioon.
Märkus 2. Käesolev IEC 62305 osa ei käsitle elektri- ja elektroonikasüsteemide kaitset liigpingete tõttu tekkivate rikete vastu. Selleks otstarbeks on erinõuded toodud standardis IEC 62305-4.

Keel et

Asendab EVS-IEC 61024-1:2003; EVS-IEC 61024-1-2:2003

Asendatud EVS-EN 62305-3:2011

**EVS-EN 62305-3:2007/AC:2008**

Identne EN 62305-3:2006/Corr:2008

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

Keel en

Asendatud EVS-EN 62305-3:2011

**EVS-EN 62305-3:2007/A11:2009**

Identne EN 62305-3:2006/A11:2009

**Piksekaitse. Osa 3: Ehitistele tekitatavad füüsikalised kahjustused ja oht elule**

IEC 62305 käesolev osa esitab nõuded ehitise kaitseks füüsilise kahjustamise vastu piksekaitsesüsteemi (LPS) abil ja elusolendite traumade vältimiseks puute- ning sammupingetega piksekaitsesüsteemi lähedal (vt IEC 62305-1). Standard on rakendatav: - ehitiste piksekaitsesüsteemide projekteerimisel, paigaldamisel, ülevaatustel ja hooldustel ilma piiranguteta ehitiste kõrgusele; - meetmete ettevalmistamisel elusolendite kaitseks puute- ja sammupingetega traumeerimise vastu. Märkus 1. Plahvatusohu tõttu ümbrusele ohtlike ehitiste piksekaitse-süsteemidele on esitatavad erinõuded ettevalmistamisel. Lisas D on ajutiseks kasutamiseks toodud täiendav informatsioon. Märkus 2. Käesolev IEC 62305 osa ei käsitle elektri- ja elektroonikasüsteemide kaitset liigpingete tõttu tekkivate rikete vastu. Selleks otstarbeks on erinõuded toodud standardis IEC 62305-4.

Keel et

Asendatud EVS-EN 62305-3:2011

**EVS-EN 62305-4:2006**

Identne EN 62305-4:2006+AC:2006

ja identne IEC 62305-4:2006

**Piksekaitse. Osa 4: Ehitiste elektri- ja elektroonikasüsteemid**

Standardi IEC 62305 käesolev osa annab informatsiooni ehitises paiknevate elektri- ja elektroonikasüsteemide välgu elektromagnetilise impulsi (LEMP) vastase kaitseviiside süsteemi (LPMS) projekteerimise, paigaldamise, kontrolli, hoolduse ja katsetamise kohta. See kaitseviiside süsteem on võimeline vähendama välgu elektromagnetilise impulsi poolt põhjustatud püsivate rikete riski. Käesolev standard ei käsitle kaitset välgu poolt tekitatud ja elektroonikasüsteemide väärtalitlust põhjustada võivate elektromagnetiliste häirete vastu. Siiski võib lisas A toodud informatsiooni kasutada ka selliste häirete hindamiseks. Kaitsemeetmeid elektromagnetiliste häirete vastu käsitletakse standardis IEC 60364-4-44 ja standardisarjas IEC 61000. Käesolev standard annab juhtnööre elektri- ja elektroonikasüsteemide projekteerija ning kaitsemeetmete projekteerija vaheliseks koostööks, eesmärgiga saavutada kaitse optimaalne efektiivsus. Käesolev standard ei käsitle elektri- ja elektroonikasüsteemide enda üksikasjalikku projekteerimist.

Keel et

Asendatud EVS-EN 62305-4:2011

**EVS-HD 384.5.523 S2:2003**

Identne HD 384.5.523 S2:2001

ja identne IEC 60364-5-523:1999

**Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Section 523: Current-carrying capacities in wiring systems**

Deals with the selection and erection of wiring systems.

Keel en

Asendatud EVS-HD 60364-5-52:2011

**EVS-HD 384.4.42 S1:2003**

Identne HD 384.4.42 S1:1985+A1:1992+A2:1994

ja identne IEC 364-4-42:1980

**Electrical installations of buildings - Part 4: Protection for safety - Chapter 42: Protection against electric shock**

Persons, fixed equipment, and fixed materials adjacent to electrical equipment shall be protected against harmful effects of heat developed by electrical equipment, or thermal radiation, particularly the following effects: - combustion or degradation of materials; - risk of burns; - impairment of the safe function of installed equipment.

Keel en

Asendatud EVS-HD 60364-4-42:2011

**EVS-HD 384.5.52 S1:2003**

Identne HD 384.5.52 S1:1995 + A1:1998 + AC:1998

ja identne IEC 364-5-52:1993

**Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Chapter 52: Wiring systems**

Deals with the selection and erection of wiring systems

Keel en

Asendatud EVS-HD 60364-5-52:2011

**EVS-IEC 60364-4-42:2003**

ja identne IEC 60364-4-42:2001

**Ehitiste elektripaigaldised. Osa 4-42: Kaitseviisid. Kaitse kuumustoime eest**

Inimesed, kohtkindlad seadmed ja elektriseadmete läheduses olevad materjalid peavad olema kaitstud elektriseadmete kahjuliku kuumustoime ja soojuskiirguse eest, eriti aga järgmiste toimete eest: · materjalide süttimine või keemiline lagunemine; · põletusoht; · paigaldatud seadmete turvalisuse halvenemine.

Keel et

Asendatud EVS-HD 60364-4-42:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**EN 1090-2:2008/FprA1**

Identne EN 1090-2:2008/FprA1:2011

Tähtaeg 30.05.2011

**Teras- ja alumiiniumkonstruktsioonide valmistamine. Osa 2: Tehnilised nõuded teraskonstruktsioonidele**

Käesolev Euroopa standard määratleb nõuded terasest kandekonstruktsioonidele ja nende komponentidele, mis on valmistatud kuumvaltsitud konstruktsiooniterasest tugevusklassiga kuni S690 (kaasa arvatud); külmvormitud profiilidest ja profiilplekist elementidele, kaasa arvatud roostevabast terasest elementidele tugevusklassiga kuni S700 ja süsinikterasest elementidele tugevusklassiga kuni S690 (kaasa arvatud); kuum- ja külmvormitud roostevabast austeniit-, austeniit-ferriit- ja ferriitterasest toodetest; kuum- ja külmvormitud toruprofiilidest, kaasa arvatud standard- ja tellitud mõõtudega õmblusteta ja keevitatud terastorud.

Keel en

**EN 1168:2006+A2:2009/FprA3**

Identne EN 1168:2005/FprA3:2011

Tähtaeg 30.05.2011

**Betoonvalmistooted. Õõnespaneelid**

Käesolev Euroopa standard käsitleb normaaltihedusega raud- või pingebetoonist õõnespaneelidele esitatavaid nõudeid ja peamisi toimivuskriteeriume ning vajaduse korral spetsifitseerib minimaalsed väärtused vastavalt standardile EN 1992-1-1:2004. Käesolev standard hõlmab terminoloogiat, toimivuskriteeriume, tolerantse, asjakohaseid füüsikalisi omadusi, spetsiaalseid katsemeetodeid ja transpordi ning montaaži iseärasusi.

Keel en

**EN 15102:2007/FprA1**

Identne EN 15102:2007/FprA1:2011

Tähtaeg 30.05.2011

**Decorative wall coverings - Roll and panel product**

This European Standard applies to all forms of wallcovering products in roll and panel form as defined in EN 235 supplied for hanging onto internal walls, partitions or ceilings, by means of an adhesive, whose primary purpose is decorative. However, certain wallcovering products may confer minor sound absorbtion and thermal resistance properties. It also provides for the evaluation of conformity of products to the requirements of this standard. It does not apply to wall coverings whose primary purpose is structural or protective (e.g. vapour or moisture barriers).

Keel en

**FprEN 490**

Identne FprEN 490:2011

Tähtaeg 30.05.2011

**Betoonist rea- ja erikatusekivid katuste katmiseks ja seinte vooderdamiseks. Tootespetsifikatsioon**

This European Standard specifies requirements for concrete roofing tiles and fittings for pitched roof coverings and wall cladding and lining. Concrete roofing tiles and fittings may incorporate surface coatings and glued concrete components.

Keel en

Asendab EVS-EN 490:2006

**FprEN 491**

Identne FprEN 491:2011

Tähtaeg 30.05.2011

**Concrete roofing tiles and fittings for roof covering and wall cladding - Test methods**

This European Standard specifies test methods for concrete roofing tiles and fittings conforming to EN 490, for assembly into pitched roof covering or external wall cladding or internal wall lining cladding.

Keel en

Asendab EVS-EN 491:2005

**FprEN 12159**

Identne FprEN 12159:2011

Tähtaeg 30.05.2011

**Vertikaalsetel juhtrööbastel kabiiniga ehitustõstukid inimeste ja lasti tõstmiseks**

This European Standard deals with power operated temporarily installed builders hoists (referred to as "hoists" in this standard) intended for use by persons who are permitted to enter sites of engineering and construction, serving landing levels, having a carrier: - designed for the transportation of persons or of persons and materials; - guided; - travelling vertically or along a path within 15 degrees max. of the vertical; - supported or sustained by drum driven wire rope, rack and pinion, hydraulic jack (direct or indirect), or an expanding linkage mechanism; - where masts, when erected, may or may not require support from separate structures.

Keel en

Asendab EVS-EN 12159:2001+A1:2009

**FprEN 12620**

Identne FprEN 12620:2011

Tähtaeg 30.05.2011

**Betooni täitematerjalid**

This European Standard specifies the properties of aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in concrete. It covers aggregates having an oven dried particle density greater than 2,00 Mg/m3 (2 000 kg/m3) for all concrete, including concrete in conformity with EN 206-1 and concrete used in roads and other pavements and for use in precast concrete products. It also covers recycled aggregate with particle densities between 1,50 Mg/m3 (1 500 kg/m3) and 2,00 Mg/m3 (2 000 kg/m3) with appropriate caveats and recycled fine aggregate with appropriate caveats

Keel en

Asendab EVS-EN 12620:2005+A1:2008

**FprEN 13043**

Identne FprEN 13043:2011

Tähtaeg 30.05.2011

**Asfaltsegude ning teede, lennuväljade ja muude liiklusalade pindamiskihtide täitematerjalid**

This European Standard specifies the properties of aggregates and filler aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in bituminous mixtures and surface treatments for roads, airfields and other trafficked areas. This standard does not cover the use of reclaimed bituminous mixtures3. It also covers recycled aggregate with densities between 1,50 Mg/m3 (1 500 kg/m3) and 2,00 Mg/m3 (2 000 kg/m3) with appropriate caveats and recycled fine aggregate with appropriate caveats.

Keel en

Asendab EVS-EN 13043:2004

**FprEN 13126-2**

Identne FprEN 13126-2:2011

Tähtaeg 30.05.2011

**Building hardware - Requirements and test methods for windows and doors height windows - Part 2: Window fastener handles**

This European Standard specifies requirements and test methods for durability, strength, security and functionality of window fastener handles. This European Standard does not apply to the following hardware: a) handles - primarily for Tilt & Turn, Tilt-First and Turn-Only hardware, refer to EN 13126-3; b) electromechanical hardware.

Keel en

Asendab CEN/TS 13126-2:2004

**FprEN 13139**

Identne FprEN 13139:2011

Tähtaeg 30.05.2011

**Mördi täitematerjalid**

This European Standard specifies the properties of aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in mortars, renders and screeds, e.g. a) masonry mortar, b) floor/screed mortar, c) surfacing of internal walls (plastering mortar), d) rendering of external walls, e) special bedding materials, f) repair mortar, g) grouts, for buildings, roads and civil engineering works. It covers aggregates having an oven dried particle density greater than 2,00 Mg/m3 (2 000 kg/m3). It also covers recycled aggregate with densities between 1,50 Mg/m3 (1 500 kg/m3) and 2,00 Mg/m3 (2 000 kg/m3). A list of the source materials that have been considered and are within the scope of this standard is given in Annex A (normative) Requirements for the evaluation of conformity of the products to this European Standard are given in FprEN 16236.

Keel en

Asendab EVS-EN 13139:2005

**FprEN 13242**

Identne FprEN 13242:2011

Tähtaeg 30.05.2011

**Ehitustöödel ja tee-ehituses kasutatavad sidumata ja hüdrauliliselt seotud täitematerjalid**

This European Standard specifies the properties of aggregates and filler aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in hydraulically bound and unbound materials for civil engineering works. It also covers recycled aggregates with particle densities between 1,50 Mg/m3 (1 500 kg/m3) and 2,00 Mg/m3 (2 000 kg/m3). A list of the source materials that have been considered and are within the scope of this standard is given in Annex A (normative). This European Standard also specifies that a quality control system is in place for use in factory production control and it provides for the evaluation of conformity of the products to this European Standard. This European Standard does not cover the grading properties of unbound mixtures as specified in EN 13285. This European Standard incorporates a general requirement that aggregates will not release any dangerous substances in excess of the maximum permitted levels specified in a relevant European Standard for the material or permitted in the national regulations of the member state of destination (see NOTE 3).

Keel en

Asendab EVS-EN 13242:2006+A1:2008

**FprEN 15726**

Identne FprEN 15726:2011

Tähtaeg 30.05.2011

**Ventilation for buildings - Air diffusion - Measurements in the occupied zone of airconditioned/ventilated rooms to evaluate thermal and acoustic conditions**

This European Standard is applicable to measure some parameters of thermal and acoustic comfort (i.e. temperatures, air velocities…) in a room with an air diffusion system. This European Standard can be used on site or in a lab for full-scale measurements. This European Standard applies to ventilation or air conditioning systems designed to maintain the comfort conditions in buildings. It is not applicable in the case of systems for the control of industrial or other special process environments.

Keel en

**FprEN 15780**

Identne FprEN 15780:2011

Tähtaeg 30.05.2011

**Ventilation for buildings - Ductwork - Cleanliness of ventilation systems**

This European Standard applies to both new and existing ventilation and air conditioning systems and specifies the assessment criteria of cleanliness, cleaning procedures of these systems, and the validation of the effectiveness of cleaning applies also to products, which conform to EN 1505, EN 1506, EN 13053, EN 13180 and EN 13403, used in air conditioning and ventilation systems for human occupancy defined in the scope of CEN/TC 156. This European Standard does not apply to installations for industrial processes. Cleanliness of ventilation systems is considered important for human comfort and health, energy consumption, system service life and for cleanliness of operations or processes carried out in the ventilated area.

Keel en

**FprEN 16236**

Identne FprEN 16236:2011

Tähtaeg 30.05.2011

**Evaluation of conformity of aggregates**

This European Standard specifies both initial type testing and factory production control requirements for use during the evaluation and production of aggregates. Additional testing carried out within contracts is beyond the scope of this standard. The evaluation of conformity is to be applied to European Standards for aggregates if regulatory marking of conformity is to be applied. It is also a necessary part of evaluation of conformity in situations where regulatory marking does not apply. This European Standard is applicable to the control of aggregates within the scope of EN 12620, EN 13043, EN 13242, EN 13139, EN 13383-1 and EN 13450.

Keel en

**FprEN ISO 13229**

Identne FprEN ISO 13229:2011

ja identne ISO 13229:2010

Tähtaeg 30.05.2011

**Thermoplastics piping systems for non-pressure applications - Unplasticized poly(vinyl chloride) (PVC-U) pipes and fittings - Determination of the viscosity number and K-value (ISO 13229:2010)**

This International Standard specifies a method for the determination of the viscosity number (also known as reduced viscosity) and K-value of an unplasticized poly(vinyl chloride) (PVC) resin derived from a pipe, fitting or compound. In this International Standard, only the method for isolation (or separation) of the PVC resin is detailed, while the determination of the viscosity number is given in ISO 1628-2. The presence of other additives or polymers can invalidate this method (see Clause 3).

Keel en

Asendab EVS-EN 922:1999

**FprEN ISO 13260**

Identne FprEN ISO 13260:2011

ja identne ISO 13260:2010

Tähtaeg 30.05.2011

**Thermoplastics piping systems for non-pressure underground drainage and sewerage - Test method for resistance to combined temperature cycling and external loading (ISO 13260:2010)**

This International Standard specifies two methods for testing pipes and fittings or joints for plastics piping systems intended for use in underground drainage and sewerage systems for their resistance to deformation and leakage, when subjected to sustained external loading in conjunction with the passage of hot water. Method A involves temperature cycling, by passing hot water and cold water alternately, and is applicable to pipes and associated fittings having a mean outside diameter dem u 190 mm. Method B involves passing hot water only, except at intervals specified for measurement of internal deflection, and is applicable to pipes and associated fittings having a mean outside diameter 190 mm ¸ dem u 510 mm.

Keel en

Asendab EVS-EN 1437:2002

**prEN 1191**

Identne prEN 1191:2011

Tähtaeg 30.05.2011

**Windows and doors - Resistance to repeated opening and closing - Test method**

This European Standard specifies the method to be used to determine the mechanical durability of windows and doorsets when subjected to repeated opening and closing. It applies to all construction materials and operating systems for any window or doorset, including gaskets and hardware, in normal operating conditions. The parts concerned in the testing are the frame, the opening component (including any additional moving components e.g. an inactive sash/leaf) and all essential hardware, including operating devices, for example, the handle. The testing does not include any hardware whose operation is not directly involved in the opening and closing of the moving components: added-on fastening devices such as peg-stays or cabin hooks or bolts, nor, unless specified, any independently installed stops (not connected to the complete assembly) such as a wall or ground-mounted stop.

Keel en

Asendab EVS-EN 1191:2000

**prEN 1751**

Identne prEN 1751:2011

Tähtaeg 30.05.2011

**Hoonete ventilatsioon. Lõppelemendid. Klappide ja ventiilide aerodünaamiline katsetamine**

This European Standard specifies methods for the testing and rating of dampers and valves used in air distribution systems with pressure differences up to 2000 Pa. The tests incorporated in this European Standard are: a) leakage past a closed damper or valve (for classification see annex C); b) casing leakage (for classification see annex C); c) flow rate/pressure requirement characteristics; d) torque: (see annex A); e) thermal transmittance: (see annex B). The acoustic testing of dampers and valves is not included in this standard.

Keel en

Asendab EVS-EN 1751:2001

**prEN 12809**

Identne prEN 12809:2011

Tähtaeg 30.05.2011

**Tahkel kütusel töötavad paiksed autonoomsed boilerid. Nominaalne soojusväljund kuni 50 kW. Nõuded ja testimeetodid**

This European Standard is applicable to hand and automatically fired residential independent boilers having nominal heat outputs up to 50 kW, the primary function of which is to provide hot water for central heating and/or domestic use, and which are designed for use only with open vented systems at a working pressure not exceeding 2 bar. In addition to their primary function of providing hot water these appliances also provide space heating to the place of installation. This European Standard specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) of residential independent boilers fired by solid fuel (hereafter referred to as “appliance(s)”) and provides instructions for them. Furthermore, it also gives provisions for evaluation of conformity (i.e. initial type testing (ITT) and factory production control (FPC) and marking of these products. These appliances may burn either solid mineral fuels, peat briquettes or natural or manufactured wood logs or be multi-fuel in accordance with the appliance manufacturer’s instructions. This standard is not applicable to independent boilers for hot water only production and having heat outputs of less than 5 kW. This standard is also not applicable to the design and construction of automatic stoking devices.

Keel en

Asendab EVS-EN 12809:2002; EVS-EN 12809:2002/A1:2004

**prEN 12828**

Identne prEN 12828:2011

Tähtaeg 30.05.2011

**Hoonete küttesüsteemid. Vesiküttesüsteemide projekteerimine**

This standard specifies design criteria for water based heating systems in buildings with a maximum operating temperature of up to 105°C. In case of heating systems with maximum operating temperatures over 105°C other safety aspects than those described in 4.6 may apply. The other clauses of this standard are still valid for those systems. This standard does not amend product standards or product installation requirements. This standard covers the design of: - heat supply systems; - heat distribution systems; - heat emission systems; - control systems. This standard takes into account heating requirements of attached systems (e.g. domestic hot water, process heat, air conditioning, ventilation) in the design of a heat supply, but does not cover the design of these systems. This standard does not cover requirements for installation or commissioning or instructions for operation, maintenance and use of water based heating systems. This standard does not cover the design of fuel and energy supply systems.

Keel en

Asendab EVS-EN 12828:2003

**prEN 13200-1**

Identne prEN 13200-1 rev:2011

Tähtaeg 30.05.2011

**Spectator facilities - Part 1: General characteristics for spectator viewing area**

This European Standard specifies design and management requirements for spectator facilities at permanent or temporary entertainment venues including sport stadia, sport halls, indoor and outdoor facilities for the purpose of enabling their functionality. This standard is not applicable to other permanent venues such as theatres, cinemas, opera houses, auditoriums, lecture halls and similar.

Keel en

Asendab EVS-EN 13200-1:2004

**prEN 15012**

Identne prEN 15012:2011

Tähtaeg 30.05.2011

**Plastics piping systems - Non pressure soil and waste discharge piping components within the building structure - Requirements and test/assessment methods for pipes and fittings**

This European Standard specifies requirements for non-pressure plastics pipes and fittings for soil and waste applications. It is intended to be used in soil and waste discharge applications: - inside the building (application area code "B"), - buried in ground within the building structure (application area code "BD") and with a diameter greater than or equal to 75 mm It gives the associated test/assessment methods. This standard does not cover adhesives, joint sealings and gaskets

Keel en

Asendab EVS-EN 15012:2007

**prEN 15221-7**

Identne prEN 15221-7:2011

Tähtaeg 30.05.2011

**Facility Management - Part 7: Performance Benchmarking**

This Standard is applicable to Facility Management and covers benchmarking for existing owned or leased buildings as well as buildings in state of planning or development. This standard presents a constructive framework for benchmarking and contains clear terms and definitions as well as methods for benchmarking facility management products and services related to buildings and/or parts of buildings, independent of their function. This standard establishes a common basis for benchmarking facility management costs, floor areas and environmental impacts as well as service quality, satisfaction and productivity.

Keel en

**prEN 16240**

Identne prEN 16240:2011

Tähtaeg 30.05.2011

**Light transmitting flat solid polycarbonate (PC) sheets for internal and external roofs, walls and ceilings - Requirements and test methods**

This European Standard specifies the requirements for light transmitting flat solid polycarbonate (PC) sheets for internal and external use in walls, roofs and ceilings. This European standard applies to light transmitting flat extruded solid PC sheets of minimum thickness 2 mm, without or with uniform functional layers (e.g. coating, co-extruded layer) made from PC-based or other plastics materials. It also specifies the test methods needed for the evaluation of conformity and marking of the sheets.

Keel en

**prEN ISO 29462**

Identne prEN ISO 29462:2011

ja identne ISO/DIS 29462:2011

Tähtaeg 30.05.2011

**Field testing of general ventilation filtration devices and systems for in situ removal efficiency by particle size and resistance to airflow (ISO/DIS 29462:2011)**

This international standard describes a procedure of measuring the performance of general ventilation air cleaning devices in their end use installed configuration. The performance measurements include removal efficiency by particle size and the resistance to airflow. The procedures for test include the definition and reporting of the system airflow. The procedure describes a method of counting ambient air particles of 0,3 µm to 5,0 µm upstream and downstream of the in-place air cleaner(s) in a functioning air handling system. The procedure describes the reduction of particle counter data to calculate removal efficiency by particle size. Since filter installations vary dramatically in design and shape, a protocol for evaluating the suitability of a site for filter evaluation and for system evaluation is included. When the evaluated site conditions meet the minimum criteria established for system evaluation, the performance evaluation of the system can also be performed according to this procedure. This international standard for testing also describes performance specifications for the testing equipment and defines procedures for calculating and reporting the results. This standard is not intended for measuring performance of portable or movable room air cleaners or for evaluation of filter installations with and expected filtration efficiency at or above 99% or at or below 30% when measured at 0,4 micron.

Keel en

## 93 RAJATISED

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS 867:2011**

Hind 8,63

**Raudteealased rakendused. Reisijate ooteplatvormid**

Standard käsitleb raudteel reisijate ooteplatvormide projekteerimisele, ehitamisele ja hooldusele esitatavaid nõudeid, hõlmates nii uusi (ehitatavaid) kui ka olemasolevaid (rekonstrueeritavaid) ooteplatvorme, juurdepääsuteid ooteplatvormidele ning juurdepääsuteel asuvaid ülekäigukohti.

Keel et

Asendab EVS 867:2003+A1:2007+A2:2009

**EVS-EN 14033-1:2011**

Hind 18,85

Identne EN 14033-1:2011

**Raudteealased rakendused. Rööbastee. Raudtee ehitus- ja hooldusmasinad. Osa 1: Tehnilised nõuded sõiduomadustele**

This European Standard defines the specific technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment. This European Standard applies to all railbound machines and other vehicles – referred to as machines – running exclusively on the railway (utilising adhesion between the rail and wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This European Standard applies to machines that are intended to operate signalling and control systems. Other machines are dealt with in other European Standards, see Annex K. Special requirements can apply for running on infrastructures with narrow gauge or broad gauge lines, lines of tramways, railways utilising other than adhesion between the rail and wheels, road-rail machines and underground infrastructures. This European Standard covers the requirements for safety and access of railway traffic, railway specific requirements for running on different infrastructures in relation to necessary movements of the machine as a train and movements to reach work sites.

Keel en

Asendab EVS-EN 14033-1:2008

**EVS-EN 50556:2011**

Hind 13,36

Identne EN 50556:2011

**Road traffic signal systems**

This European Standard specifies requirements for Road Traffic Signal Systems, including their development, design, testing, installation and maintenance. In particular, it forms the electrotechnical part of the following two standards issued by CEN: - EN 12368, Traffic control equipment - Signal heads - EN 12675, Traffic signal controllers - Functional safety requirements Each of these standards above should be used with this standard either singly or together to define an operational equipment or system. This should be achieved by using the electrotechnical methods and testing defined in this standard. Where Road Traffic Signal Systems are to be used with other systems, e.g. public lighting or railway signalling and communication, this standard should comply with the other respective standard to ensure that overall safety is not compromised. Only permanently or temporarily installed Road Traffic Signal Systems are included in this standard. Central office and portable signalling systems are not covered.

Keel en

Asendab EVS-HD 638 S1:2002; EVS-HD 638 S1:2002/A1:2008

## ASENDATUD VÕI TÜHISTATUD STANDARDID

**EVS 867:2003+A1:2007+A2:2009**

ja identne EVS 867:2003+A1:2007+A2:2009

**Raudteealased rakendused. Reisijate ooteplatvormid KONSOLIDEERITUD TEKST**

Standard käsitleb raudteel reisijate ooteplatvormide projekteerimisele, ehitamisele ja hooldusele esitatavaid nõudeid, hõlmates nii uusi (ehitatavaid) kui ka olemasolevaid (rekonstrueeritavaid) ooteplatvorme, juurdepääsuteid ooteplatvormidele ning juurdepääsuteel asuvaid ülekäigukohti.

Keel et

Asendab EVS 867:2003+A1:2007

Asendatud EVS 867:2011

**EVS-EN 14033-1:2008**

Identne EN 14033-1:2008

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

This European Standard specifies the technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation, infrastructure and fixed electric traction equipment.

Keel en

Asendatud EVS-EN 14033-1:2011

**EVS-HD 638 S1:2002**

Identne HD 638 S1:2001

**Road traffic signal systems**

This standard specifies requirements for Road Traffic Signal Systems, including their development, design, testing, installation and maintenance.

Keel en

Asendatud EVS-EN 50556:2011

**EVS-HD 638 S1:2002/A1:2008**

Identne HD 638 S1:2001/A1:2006

**Road traffic signal systems**

This standard specifies requirements for Road Traffic Signal Systems, including their development, design, testing, installation and maintenance.

Keel en

Asendatud EVS-EN 50556:2011

## KAVANDITE ARVAMUSKÜSITLUS

**FprEN 1790**

Identne FprEN 1790:2011

Tähtaeg 30.05.2011

**Teemärgistusmaterjalid. Kasutusvalmid teekattemärgised**

The construction products covered and specified on this European Standard are white and yellow, removable or non-removable, preformed road marking materials, under the form of tape, cold plastic, thermoplastics with or without drop-on materials, to be used for permanent and/or temporary road markings in circulation areas. Other products and colours intended for road markings are not covered in this European Standard This document gives also specifications for the evaluation of conformity for white and yellow, removable or nonremovable, preformed road materials under the form of tape, cold plastic, thermoplastics with or without drop-on materials to be used for permanent and/or temporary road markings in circulation areas including type testing and factory production control. This European Standard also includes an Annex ZA for tapes, preformed cold plastic road marking and thermoplastic road marking without drop-on materials with the clauses addressing the provisions of the EU Construction Product Directive for permanent road marking. For preformed Thermoplastic road marking with drop-on materials, Annex ZA of FprEN 1871:2011 applies.

Keel en

Asendab EVS-EN 1790:1999; EN 1790:1999/prA1

**FprEN 1871**

Identne FprEN 1871:2011

Tähtaeg 30.05.2011

**Road marking materials - Paint, thermoplastic and cold plastic materials - Specifications**

The construction products covered and specified by this European Standard are white and yellow paint, cold plastic and thermoplastic materials, with or without premix glass beads, to be used for permanent and/or temporary road markings in circulation areas. Other products and colours intended for road markings are not covered in this European Standard. This European Standard gives also specifications for the evaluation of conformity for white and yellow paint, cold plastic and thermoplastic materials to be used for permanent and/or temporary road markings in circulation areas including type testing and factory production control. This European Standard also includes an Annex ZA with t

Keel en

Asendab EVS-EN 1871:2000; EN 1871:2000/prA1

**FprEN 12697-26**

Identne FprEN 12697-26:2011

Tähtaeg 30.05.2011

**Bituminous mixtures - Test methods for hot mix asphalt - Part 26: Stiffness**

This European specifies the methods for characterising the stiffness of bituminous mixtures by alternative tests, including bending tests and direct and indirect tensile tests. The tests are performed on compacted bituminous material under a sinusoidal loading or other controlled loading, using different types of specimens and supports. The procedure is used to rank bituminous mixtures on the basis of stiffness, as a guide to relative performance in the pavement, to obtain data for estimating the structural behaviour in the road and to judge test data according to specifications for bituminous mixtures. As this standard does not impose a particular type of testing device the precise choice of the test conditions depends on the possibilities and the working range of the used device. For the choice of specific test conditions, the requirements of the product standards for bituminous mixtures should be respected. The applicability of this document is described in the product standards for bituminous mixtures.

Keel en

Asendab EVS-EN 12697-26:2004

**FprEN ISO 13260**

Identne FprEN ISO 13260:2011

ja identne ISO 13260:2010

Tähtaeg 30.05.2011

**Thermoplastics piping systems for non-pressure underground drainage and sewerage - Test method for resistance to combined temperature cycling and external loading (ISO 13260:2010)**

This International Standard specifies two methods for testing pipes and fittings or joints for plastics piping systems intended for use in underground drainage and sewerage systems for their resistance to deformation and leakage, when subjected to sustained external loading in conjunction with the passage of hot water. Method A involves temperature cycling, by passing hot water and cold water alternately, and is applicable to pipes and associated fittings having a mean outside diameter dem u 190 mm. Method B involves passing hot water only, except at intervals specified for measurement of internal deflection, and is applicable to pipes and associated fittings having a mean outside diameter 190 mm ¸ dem u 510 mm.

Keel en

Asendab EVS-EN 1437:2002

**prEN 15013**

Identne prEN 15013:2011

Tähtaeg 30.05.2011

**Plastics piping systems - Non-pressure drainage and sewerage piping components buried in ground - Requirements and test/assessment methods for pipes and fittings**

This European Standard specifies requirements for plastics pipes and fittings intended for non-pressure underground drainage and sewerage applications. It is intended to be used - underground in the U area (more than 1 m from the building structure) - underground in the D area (connected to the soil and waste discharge system and buried within or under the building structure). It gives the associated test/assessment methods. This standard does not cover adhesives, joint sealings and gaskets.

Keel en

**prEN 16228-1**

Identne prEN 16228-1 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 1: Common requirements**

This document specifies the common safety requirements for drilling and foundation equipment. This document deals with all significant hazards pertinent to drilling and foundation equipment, when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A) associated with the following: - transport; - equipment in service and out of service; - maintenance; - moving on site; - storage; - disabling and scrapping. The prEN 16228 series is applicable to drilling and foundation equipment, examples of which are listed in Annex A. Additional specific requirements for certain types of drilling and foundation equipment are given in parts 2 to 7 of this standard.

Keel en

Asendab EVS-EN 791:2005+A1:2009; EVS-EN 996:1999+A3:2009

**prEN 16228-2**

Identne prEN 16228-2 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 2: Mobile drill rigs for civil and geotechnical engineering, quarrying and mining**

This document specifies the specific safety requirements for drill rigs for civil engineering, geotechnical processes, geothermal energy, ground exploration, mining, quarrying and water wells for use above ground as well as underground when used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. In this part 2 of prEN 16228 these machines are referred to as drill rigs. In this document the general term “drill rig” covers several different types of machines for use in: - civil engineering; - geotechnical engineering (including ground investigation, anchoring, soil nailing, mini-piling, ground stabilization, grouting); - water well drilling; - geothermal installations; - landfill drilling; - underpinning, tunnelling, mining and quarrying; - for use above ground as well as underground. Typically the process of drilling involves the addition of drill rods, tubes, casings or augers etc, normally threaded, as the borehole extends to depth.

Keel en

Asendab EVS-EN 791:2005+A1:2009; EVS-EN 996:1999+A3:2009

**prEN 16228-3**

Identne prEN 16228-3 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 3: Horizontal directional drilling equipment (HDD)**

This document specifies the specific safety requirements for horizontal directional drills when they are used as intended and under the conditions foreseen by the manufacturer. The requirements of this part are complementary to the common requirements formulated in prEN 16228-1. This document does not repeat the requirements from prEN 16228-1, but adds or replaces the requirements for application for horizontal directional drills. This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, hazardous situations and events during commissioning, operation and maintenance of horizontal directional drills.

Keel en

Asendab EVS-EN 996:1999+A3:2009; EVS-EN 791:2005+A1:2009

**prEN 16228-4**

Identne prEN 16228-4 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 4: Foundation equipment**

This document specifies the specific safety requirements for foundation equipment when it is used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. This part specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. In this document the general term “foundation equipment” covers several different types of machines used for installation and/or extracting by drilling, driving, vibrating, pushing, pulling or a combination of techniques, or any other way, of: - longitudinal foundation elements; - soil improvement by dynamic compacting, vibrating and soil mixing techniques; - vertical drainage. Typically the process of foundation techniques involves the addition longitudinal elements as concrete piles, steel beams, tubes and sheet piles, injection elements as tubes and hoses, casings for cast in situ. The requirements of this document are in addition to, or detail an exemption to the common requirements formulated in part 1. This document does not repeat the requirements from part 1, but adds the requirements for application to foundation equipment This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, hazardous situations and events detailed in Clause 4.

Keel en

Asendab EVS-EN 996:1999+A3:2009; EVS-EN 791:2005+A1:2009

**prEN 16228-5**

Identne prEN 16228-5 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 5: Diaphragm walling equipment**

This document specifies the specific safety requirements for diaphragm walling equipment when used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. The requirements of this document are in addition to the common requirements formulated in part 1. This document does not repeat the requirements from part 1, but adds the requirements for application to diaphragm walling equipment This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, hazardous situations and events detailed in 4 below.

Keel en

Asendab EVS-EN 996:1999+A3:2009; EVS-EN 791:2005+A1:2009

**prEN 16228-6**

Identne prEN 16228-6 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 6: Jetting, grouting and injection equipment**

This document specifies the specific safety requirements for jetting, grouting and injection equipment when used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. Rigs for drilling, vibrating, pile driving, to be used for preparing holes for this applications are covered by prEN 16228-2 and/or prEN 16228-4. Jetting, grouting and injection equipment is used in the preparation, transfer and application of grouting materials used for either: - the improvement of ground condition; or - the filling of voids e. g. around piles or ground anchors. Jetting, grouting and injection equipment includes all machinery and installations, operated by hand or electrically, pneumatically, mechanically or hydraulically powered, necessary for the following: - mixing, storing, measuring and pumping of substances (cement suspension, mortar or chemical liquids/mixtures); - jetting, grouting and injection processes (of/into subsoil) with low, medium or high pressure or vacuum systems; - all types of pressure and wear resistant grout hoses, fittings, quick release coupling with thread or hose connection, ball valves and flexible pipes; - all control systems, electrical or mechanical pressure and flow recorders, for monitoring the grouting; - all jetting, grouting and injection accessories, such as: special tools, lances, rods, sockets, packers, retention clamps and swivel hooks.

Keel en

Asendab EVS-EN 791:2005+A1:2009; EVS-EN 996:1999+A3:2009

**prEN 16228-7**

Identne prEN 16228-7 rev:2011

Tähtaeg 30.05.2011

**Drilling and foundation equipment - Safety - Part 7: Interchangeable auxiliary equipment**

This document specifies the specific safety requirements for interchangeable auxiliary equipment used with drilling and foundation equipment and/or earth moving machinery when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. This part specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards Interchangeable auxiliary equipment includes pile installation and extraction equipment, impact hammers, extractors, vibrators, static pile pushing/pulling devices, rotary percussion hammers, rotary drilling drives, drill mast equipment such as leaders equipped with a drill stem and gears attached to the boom of an excavator, casing oscillators/rotators etc. The requirements of this part are complementary to the common requirements formulated in prEN 16228-1. This document does not repeat the requirements from prEN 16228-1, but adds or replaces the requirements for application for accessories of drilling and foundation equipment. This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, hazardous situations and events during commissioning, operation and maintenance of accessories of drilling and foundation equipment.

Keel en

Asendab EVS-EN 996:1999+A3:2009; EVS-EN 791:2005+A1:2009

## 97 OLME. MEELELAHUTUS. SPORT

**UUED STANDARDID JA PUBLIKATSIOONID**

**EVS-EN 548:2011**

Hind 6,71

Identne EN 548:2011

**Resilient floor coverings - Specification for plain and decorative linoleum**

This European Standard specifies the characteristics of plain and decorative linoleum, supplied as either tiles or rolls. To encourage the consumer to make an informed choice, the standard includes a classification system based on intensity of use, which shows where resilient floor coverings should give satisfactory service (see EN 685). It also includes requirements for marking. The term 'linoleum' is frequently incorrectly applied to a range of floor coverings, often to those based on polyvinyl chloride or rubber. Such materials are not included in this standard.

Keel en

Asendab EVS-EN 548:2004/AC:2007; EVS-EN 548:2004

**EVS-EN 624:2011**

Hind 16,36

Identne EN 624:2011

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European standard specifies the characteristics of safety, construction, performance and efficiency, the test methods and marking, of room sealed space heating equipment of type C (see CEN/TR 1749) with combustion air intake and outlet for the products of combustion in the wall, roof or floor, combined or not. These are referred to in the body of the text as "heaters", burning LPG, for vehicles and boats. This European standard only covers room sealed heaters also including those which have a combustion air fan, an integral hot air fan or both, only for vehicles and boats which are used for residential, recreational and commercial purposes. This European standard applies to heaters which are installed either outside or inside the habitable volume, but which have a combustion circuit sealed from the vehicle's interior, and nominal heat input which does not exceed 10 kW (Hs) operated at supply pressure of 30 mbar, 28 mbar, 37 mbar and 50 mbar, using, where appropriate, 12 V or 24 V DC electrical supply. Room sealed LPG space heating appliances for vehicles and boats are using very often warm air as a heat transfer medium. Annex B specifies additional requirements for appliances using water as a heat transfer medium. For private cars and vehicles or boats used for the transport of dangerous goods or for commercial personnel transport additional requirements may be necessary. This European standard does not cover requirements for storage water heaters (boilers) (see EN 15033). For appliances producing additional sanitary hot water (combi-boilers), see relevant clauses of EN 15033.

Keel en

Asendab EVS-EN 624:2001/A2:2007; EVS-EN 624:2001

**EVS-EN 649:2011**

Hind 7,29

Identne EN 649:2011

**Elastsed põrandakatted. Homogeensed ja heterogeensed polüvinüülkloriidist põrandakatted. Tehnilised andmed**

This European Standard specifies the characteristics of homogeneous and heterogeneous floor coverings, based on polyvinyl chloride and modifications thereof, supplied in either tile or roll form. To encourage the consumer to make an informed choice, the standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking.

Keel en

Asendab EVS-EN 649:1999; EVS-EN 649:1999/A1:2004

**EVS-EN 651:2011**

Hind 7,93

Identne EN 651:2011

**Elastsed põrandakatted. Vahtaluskihiga polüvinüülkloriid-põrandakatted. Tehnilised andmed**

This European Standard specifies the characteristics of floor coverings based on polyvinyl chloride with polyvinyl chloride foam layer, supplied in either tile or roll form. To encourage the consumer to make an informed choice, the standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking.

Keel en

Asendab EVS-EN 651:1999; EVS-EN 651:1999/A1:2004

**EVS-EN 652:2011**

Hind 7,93

Identne EN 652:2011

**Elastsed põrandakatted. Polüvinüülkloriid-põrandakatted korgil põhineval aluskihil. Tehnilised andmed**

This European Standard specifies the characteristics of floor coverings based on polyvinyl chloride and modifications thereof with a cork-based backing, supplied in either tile or roll form. To encourage the consumer to make an informed choice, the standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking

Keel en

Asendab EVS-EN 652:1999

**EVS-EN 13089:2011**

Hind 8,63

Identne EN 13089:2011

**Mägironimise varustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid**

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

Keel en

Asendab EVS-EN 13089:2000

**EVS-EN 50090-1:2011**

Hind 9,91

Identne EN 50090-1:2011

**Home and Building Electronic Systems (HBES) - Part 1: Standardization structure**

This European Standard concentrates on control applications for Home and Building HBES Open Communication System and covers any combination of electronic devices linked via a digital transmission network. Home and Building Electronic System as provided by the HBES Open Communication System is a specialized form of automated, decentralised and distributed process control, dedicated to the needs of home and building applications. The EN 50090 series concentrates on HBES Open Communication System Class 1 and includes a specification for a communication network for Home and Building for example for the control of lighting, heating, food preparation, washing, energy management, water control, fire alarms, blinds control, different forms of security control, etc. This European Standard gives an overview of the features of the HBES Open Communication System and provides the reader with references to the different parts of EN 50090 series. This European Standard is used as a product family standard. It is not intended to be used as a standalone standard.

Keel en

Asendab EVS-EN 50090-2-1:2002

**EVS-EN 60065:2002/A12:2011**

Hind 5,88

Identne EN 60065:2002/A12:2011

**Audio, video and similar electronic apparatus - Safety requirements**

This International Standard applies to electronic apparatus designed to be fed from the MAINS or from a SUPPLY APPARATUS and intended for reception, generation, recording or reproduction respectively of audio, video and associated signals. It also applies to apparatus designed to be used exclusively in combination with the above mentioned apparatus. This standard concerns only safety aspects of the above apparatus;  it does not concern other matters, such as style or performance.

Keel en

**EVS-EN 60335-2-9:2003/A13:2010/AC:2011**

Hind 0

Identne EN 60335-2-9:2003/A13:2010/AC:2011

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-9: Erinõuded rösteritele, grillidele ja muudele taolistele seadmetele**

Keel en

**EVS-EN 61770:2009/AC:2011**

Hind 0

Identne EN 61770:2009/AC:2011

**Veevõrguga ühendatud elektriseadmed. Tagasivoolu ja voolikute tõrke vältimine**

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID**

**EVS-EN 548:2004**

Identne EN 548:2004

**Resilient floor coverings - Specification for plain and decorative linoleum**

This European Standard specifies the characteristics of plain and decorative linoleum, supplied as either tiles or rolls. To encourage the consumer to make an informed choice, the standard includes a classification system based on intensity of use, which shows where resilient floor coverings should give satisfactory service (see EN 685). It also includes requirements for marking.

Keel en

Asendab EVS-EN 548:1999

Asendatud EVS-EN 548:2011

**EVS-EN 548:2004/AC:2007**

Identne EN 548:2004/AC:2007

**Resilient floor coverings - Specification for plain and decorative linoleum**

Keel en

Asendatud EVS-EN 548:2011

**EVS-EN 624:2001**

Identne EN 624:2000

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European standard specifies the characteristics of safety, construction, performance and efficiency, the test methods and marking, of room sealed space heating equipment of type C (see CR 1749) with combustion air intake and outlet for the products of combustion air intake and outlet for the products of combustion in the wall, roof or floor, combined or not. These are referred to in the body of the text as heaters , burning LPG, for road vehicles and boats.

Keel en

Asendatud EVS-EN 624:2011

**EVS-EN 624:2001/A2:2007**

Identne EN 624:2000/A2:2007

**Vedelgaasiseadmete tehniline kirjeldus. Vedelgaaside ruumisoojendamise seadmed hermeetilises ruumis paigaldamiseks sõidukitesse ja laevadesse**

This European Standard applies to heaters which are installed either outside or inside the habitable volume but which have a combustion circuit sealed from the vehicle's interior, and nominal heat input which does not exceed 10 kW (Hs) operated at supply pressure of 30 mbar, 28 mbar, 37 mbar and 50 mbar, using, where appropriate, 12 V or 24 V DC electrical supply.

Keel en

Asendatud EVS-EN 624:2011

**EVS-EN 649:1999/A1:2004**

Identne EN 649:1996/A1:2003

**Elastsed põrandakatted. Homogeensed ja heterogeensed polüvinüülkloriidist põrandakatted. Tehnilised andmed**

Käesolev standard määrab kindlaks selliste polüvinüülkloriidil või selle modifikatsioonidel põhinevate homogeensete ja heterogeensete põrandakatete tunnused, mida turustatakse plaatidena või rullmaterjalina. Julgustamaks tarbijat tegema asjatundlikku valikut, kirjeldab standard kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus elastsete põrandakatete kasutamine peaks ekspluatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele

Keel en

Asendatud EVS-EN 649:2011

**EVS-EN 649:1999**

Identne EN 649:1996

**Elastsed põrandakatted. Homogeensed ja heterogeensed polüvinüülkloriidist põrandakatted. Tehnilised andmed**

Käesolev standard määrab kindlaks selliste polüvinüülkloriidil või selle modifikatsioonidel põhinevate homogeensete ja heterogeensete põrandakatete tunnused, mida turustatakse plaatidena või rullmaterjalina. Julgustamaks tarbijat tegema asjatundlikku valikut, kirjeldab standard kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus elastsete põrandakatete kasutamine peaks ekspluatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele.

Keel en

Asendatud EVS-EN 649:2011

**EVS-EN 651:1999**

Identne EN 651:1996

**Elastsed põrandakatted. Vahtaluskihiga polüvinüülkloriid-põrandakatted. Tehnilised andmed**

Käesolev standard määrab kindlaks selliste polüvinüülkloriidil põhinevate vahtaluskihil põrandakatete tunnused, mida turustatakse plaatidena või rullmaterjalina. Julgustamaks tarbijat tegema asjatundlikku valikut, kirjeldab standard kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus elastsete põrandakatete kasutamine peaks ekspluatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele.

Keel en

Asendatud EVS-EN 651:2011

**EVS-EN 652:1999**

Identne EN 652:1996

**Elastsed põrandakatted. Polüvinüülkloriid-põrandakatted korgil põhineval aluskihil. Tehnilised andmed**

Käesolev standard määrab kindlaks selliste polüvinüülkloriidil või selle modifikatsioonidel põhinevate korgi baasil aluskihiga põrandakatete tunnused, mida turustatakse plaatidena või rullmaterjalina. Julgustamaks tarbijat tegema asjatundlikku valikut, kirjeldab standard kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus elastsete põrandakatete kasutamine peaks ekspluatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele.

Keel en

Asendatud EVS-EN 652:2011

**EVS-EN 13089:2000**

Identne EN 13089:1999

**Mägironimise varustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid**

This standard specifies safety requirements and test methods for ice-tools for use in mountaineering including climbing.

Keel en

Asendatud EVS-EN 13089:2011

**EVS-EN 50090-2-1:2002**

Identne EN 50090-2-1:1994

**Home and Building Electronic Systems (HBES) - Part 2-1: System overview - Architecture**

This European Standard specifies the general features and architecture of the HBES. The object is to define new terms for use in the EN 50090 series, to give general information and advice on the required HBES features and its architecture, to specify the HBES model, to specify the basic functional structure of an HBES with its reference points and interfaces.

Keel en

Asendatud EVS-EN 50090-1:2011

**KAVANDITE ARVAMUSKÜSITLUS**

**FprEN 60704-2-6**

Identne FprEN 60704-2-6:2011

ja identne IEC 60704-2-6:201X

Tähtaeg 30.05.2011

**Kodumajapidamises ja sarnastes oludes kasutatavad elektriseadmed. Katsenormid õhumüra määramiseks. Osa 2-6: Erinõuded trummelkuivatitele**

This particular requirements apply to single unit electric tumble dryers for household and similar use intended for placing on the floor against a wall, for building-in or placing under a counter, a kitchen worktop or under a sink, for wall-mounting or on a counter. For the purpose of this standard, washer-dryer combinations, when operated as a dryer, are considered as a tumble dryer.

Keel en

Asendab EVS-EN 60704-2-6:2004

**FprEN 61121**

Identne FprEN 61121:2011

ja identne IEC 61121:201X

Tähtaeg 30.05.2011

**Kodumajapidamises kasutatavad trummelkuivatid. Toimimisnäitajate mõõtemeetodid**

This International Standard is applicable to household electric tumble dryers of the automatic and non-automatic type, with or without a cold water supply and incorporating a heating device. This excludes tumble dryers which use gas or other fuels as a heating source. The object is to state and define the principal performance characteristics of household electric tumble dryers of interest to users and to describe standard methods for measuring these characteristics.

Keel en

Asendab EVS-EN 61121:2005

**FprEN 61121:2011/FprAA**

Identne FprEN 61121:2011/FprAA:2011

Tähtaeg 30.05.2011

**Kodumajapidamises kasutatavad trummelkuivatid. Toimimisnäitajate mõõtemeetodid**

This International Standard is applicable to household electric tumble dryers of the automatic and non-automatic type, with or without a cold water supply and incorporating a heating device. This excludes tumble dryers which use gas or other fuels as a heating source. The object is to state and define the principal performance characteristics of household electric tumble dryers of interest to users and to describe standard methods for measuring these characteristics.

Keel en

**prEN 1888**

Identne prEN 1888:2011

Tähtaeg 30.05.2011

**Child care articles - Wheeled child conveyances - Safety requirements and test methods**

This European Standard specifies the safety requirements and test methods for wheeled child conveyances, designed for the carriage of one or more children, up to 15 kg each and additional 20 kg on any integrated platform on which a child can stand. This European Standard does not cover toys, shopping trolleys; baby carriers fitted with wheels; wheeled child conveyances propelled by a motor and wheeled child conveyances designed for children with special needs. Where additional products are designed to be attached to a wheeled child conveyance, a hazard and risk analysis should be undertaken to identify any potential hazards. Where a wheeled child conveyance or any part of the wheeled child conveyance has several functions or can be converted into another function it shall comply with the relevant standard.

Keel en

Asendab EVS-EN 1888:2003; EVS-EN 1888:2003/A1:2005; EVS-EN 1888:2003/A2:2005; EVS-EN 1888:2003/A3:2005

**prEN 12815**

Identne prEN 12815:2011

Tähtaeg 30.05.2011

**Tahkel kütusel töötavad paiksed autonoomsed boilerid. Nõuded ja katsemeetodid**

This European Standard is applicable to hand fired residential cookers whose primary function is to cook and whose secondary function is to provide heat into the space in which they are installed. Additionally, where fitted with a boiler, they also provide domestic hot water and/or central heating. This European Standard specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) of residential cookers fired by solid fuel (hereafter referred to as “appliance(s)”) and provides instructions for them. Furthermore, it also gives provisions for evaluation of conformity (i.e. initial type testing (ITT) and factory production control (FPC) and marking of these products. These appliances may burn either solid mineral fuels, lignite briquettes, peat briquettes, natural or manufactured wood logs or be multi-fuel in accordance with the appliance manufacturer's instructions. This standard is not applicable to hopper fed or mechanically fired appliances or those appliances having fan assisted combustion air.

Keel en

Asendab EVS-EN 12815:2001; EVS-EN 12815:2001/A1:2004

**prEN 13200-1**

Identne prEN 13200-1 rev:2011

Tähtaeg 30.05.2011

**Spectator facilities - Part 1: General characteristics for spectator viewing area**

This European Standard specifies design and management requirements for spectator facilities at permanent or temporary entertainment venues including sport stadia, sport halls, indoor and outdoor facilities for the purpose of enabling their functionality. This standard is not applicable to other permanent venues such as theatres, cinemas, opera houses, auditoriums, lecture halls and similar.

Keel en

Asendab EVS-EN 13200-1:2004

**prEN 13229**

Identne prEN 13229:2011

Tähtaeg 30.05.2011

**Sisendseadmed, kaasa arvatud tahkel kütusel töötavad lahtised tulekolded. Nõuded ja katsemeetodid**

This European Standard is applicable to hand fed solid fuel fired inset appliances, with or without functional modification, that operate without firedoors or operate with fire doors either as closed only or as closed or open, and also includes open fires fired by solid fuel and which appliances are listed under categories 1b, 1c, 2b, 2c, 3a, 3b and 3c of Table 1. The surround of these appliances are integrated with the building with the exception of free-standing appliances and those inset appliances under categories 1c, 2c, and 3c of Table 1 which are installed into a fireplace recess or enclosure. These appliances provide heat into the space where they are installed. Additionally, where fitted with a boiler, they also provide domestic hot water and/or central heating.

Keel en

Asendab EVS-EN 13229:2002; EVS-EN 13229:2002/A1:2003; EVS-EN 13229:2002/A2:2004

**prEN 13240**

Identne prEN 13240:2011

Tähtaeg 30.05.2011

**Tahkel kütusel töötavad tubased küttesüsteemid. Nõuded ja katsemeetodid.**

This European Standard is applicable to freestanding or inset roomheaters fired by solid fuel, without functional modification, that operate with fire doors either as closed only or as closed or open and which are listed under categories 1a and 2a of Table 1. This European Standard is also only applicable to non-mechanically fired roomheaters as listed under categories 1a and 2a of Table 1. This European Standard specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) of roomheaters fired by solid fuel (hereafter referred to as “appliance(s)”) and provides instructions for them. Furthermore, it also gives provisions for evaluation of conformity i.e. initial type testing (ITT) and factory production control (FPC) and marking of these appliances. These appliances provide heat into the space where they are installed. Additionally, where fitted with a boiler, they also provide domestic hot water and/or central heating. These appliances may burn either solid mineral fuels, peat briquettes, natural or manufactured wood logs or be multi-fuel in accordance with the appliance manufacturer’s instructions. This standard is not applicable to appliances with fan assisted combustion air or appliances that are mechanically fired.

Keel en

Asendab EVS-EN 13240:2007; EN 13240:2007/prA1

**prEN 16242**

Identne prEN 16242:2011

Tähtaeg 30.05.2011

**Conservation of cultural property - Procedures and instruments for measuring humidity in the air and moisture exchanges between air and cultural property**

This Standard specifies procedures and instruments for the measurement of relative humidity (RH) in air in outdoor or indoor environments. It indicates how RH can be directly measured or how it can be calculated from air temperature, wet-bulb temperature and dew-point temperature. This standard contains recommendations for accurate measurements of ambient conditions and moisture exchanges between air and artworks. It is addressed to anyone in charge of environmental diagnostics, preservation, conservation or maintenance of buildings, collections or single objects.

Keel en

# STANDARDITE TÕLKED KOMMENTEERIMISEL

Selles jaotises avaldame teavet eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite kohta ja inglise keelde tõlgitavate algupäraste standardite kohta.

Veebruarikuust 2004 alates ei avaldata teavet arvamusküsitluse jaotises eelpool nimetatud standardite kohta, kuna tegemist on varem jõustumisteate meetodil üle võetud standarditega, mille sisu osas arvamust avaldada ei saa. Alates aastast 2008 ei muuda standardi tõlkimine standardi tähises aastaarvu ning eestikeelse standardi avaldamise aasta on sama, mis standardi esmakordsel avaldamisel Eesti standardina (reeglina jõustumisteate meetodil standardi inglisekeelse teksti kättesaadavaks tegemisega).

Standardite tõlgetega tutvumiseks palume ühendust võtta EVS-i standardiosakonnaga standardiosakond@evs.ee või ostmiseks klienditeenindusega standard@evs.ee.

**Tõlgete kommenteerimise ja ettepanekute esitamise perioodi lõpp on 01.05.2011**

**prEVS-EN 16156:2010**
**Sigaretid. Süütamisvõime hindamine. Ohutusnõue**
See Euroopa standard sätestab sigarettide tuleohutusnõude.
Identne: EN 16156:2010

**prEVS-EN ISO 12863:2010**
**Standardne katsemeetod sigarettide süütamisvõime hindamiseks**
See rahvusvaheline standard esitab standardse meetodi hindamaks kolmele standard substraadile asetatud sigareti võimet kustuda või eritada piisavalt soojust, et edasi põleda ja sellega potentsiaalselt põhjustada vooditarvete või pehme mööbli süttimist. Rahvusvaheline standard on rakendatav tehases valmistatud sigarettidele, mis põlevad piki tubakasammast. See on soorituspõhine standard, mis ei kirjuta ette ühtegi sigarettide disaini elementi, mis võiks viia meetodi rakendamisel saavutatud tulemuste parendamisele või halvendamisele. Selle meetodi väljund on korrelatsioonis sigareti võimega süüdata pehmet mööblit.
Identne: ISO 12863:2010; EN ISO 12863:2010

# MÄRTSIKUUS KINNITATUD JA APRILLIKUUS MÜÜGILE SAABUNUD EESTIKEELSED STANDARDID

**EVS 812-8:2011**
**Ehitiste tuleohutus. Osa 8: Kõrghoonete tuleohutus 15,53**
Eesti standard on koostatud esmakordselt. Standard käsitleb kõrghoonete tuleohutust, välja arvatud aatriumruumidega hooned.
Standard täpsustab Vabariigi Valitsuse määruses „Ehitisele ja selle osale esitatavad tuleohutusnõuded“ ehituslikku tuleohutust puudutavaid üldiseid määratlusi ja sätteid kõrghoonete ning hoone erineva kasutusviisiga üksikruumides, mis on avalikus kasutuses või kus toimub näiteks materjalide ladustamine, liiklusvahendite parkimine või garaažis hoidmine vm sarnane tegevus.
Standardis on sätestatud, kuidas ehituslike meetmetega tõkestada tule ja suitsu levikut nii tuletõkkesektsiooni sees kui ka sellest väljaspool paikneva tulekahju tungimist tuletõkkesektsiooni.
Rajatistele võib hoonetega külgnemisel või ebapiisava tuleohutuskuja korral standardi nõudeid tuletõkkekonstruktsioonidele esitatud nõuete osas kohaldada.

**EVS-EN 1303:2005**
**Akna- ja uksetarvikud. Lukusüdamikud. Nõuded ja katsemeetodid 12,02**
Eesti standard on Euroopa standardi EN 1303:2005 „Building hardware — Cylinders for locks — Requirements and test methods“ ja selle paranduse AC:2008 ingliskeelse teksti identne tõlge eesti keelde.
Standardit kasutatakse tavaliselt hoonetes kasutatavate lukkude südamike puhul, mis on mõeldud kasutamiseks koos silindritega.
Standard määrab kindlaks lukusüdamike ja nende originaalvõtmete toimivuse ning muud nõuded nende tugevuse, turvalisuse, kestvuse, töökindluse ja korrosioonikindluse kohta. Selles kehtestatakse katsete alusel üks kasutuskategooria ning kaks tuleohutus- ja korrosioonikindluse kategooriat, kavandamisnõuete alusel kuus võtmega seonduva turvalisuse klassi ja rünnakut simuleerivate katsete alusel kolm töökindlusklassi.
Standard hõlmab rahuldava töötamise katseid temperatuurivahemikus –20 °C kuni +80 °C. Selles määratakse kindlaks lukusüdamike ning nendega seotud ja tootjate soovitatavate katsemeetmete puhul kasutatavad katsemeetodid.

**EVS-EN 15254-5:2009**
**Tulepüsivuskatsete tulemuste kasutusulatuse laiendamine. Mittekandvad seinad. Osa 5: Metallist kattega sändvitš-paneelidest konstruktsioonid 9,91**
Eesti standard on Euroopa standardi EN 15254-5:2009 „Extended application of results from fire resistance tests - Non-loadbearing walls - Part 5: Metal sandwich panel construction“ ingliskeelse teksti identne tõlge eesti keelde.
See EN 15254 osa määratleb metallist kattega sändvitš-paneelidest mittekandvate sise- ja välisseinte, mida on katsetatud vastavalt standardile EN 1364-1, laiendatud kasutusulatuse reeglid, annab juhiseid ja vajadusel määratleb protseduurid teatud mõõtmete ja kontseptsiooni muutmiseks.
EN 15254-5 on rakendatav standardis EN 14509 määratletud eraldiseisvatele kahelt poolt metalliga kaetud isolatsioonmaterjalist täidisega sändvitš-paneelidele.

**EVS-EN 12817:2010**
**Vedelgaasi seadmed ja lisavarustus. Vedelgaasi mahutite mahuga kuni ja kaasa arvatud 13 m³ kontroll ja ümberkvalifitseerimine 14.-**
Eesti standard on Euroopa standardi EN 12817:2010 „LPG Equipment and accessories - Inspection and requalification of LPG tanks up to and including 13 $m^3$“ ingliskeelse teksti identne tõlge eesti keelde.
Euroopa standard määratleb nõuded:

a) paiksete vedelgaasi mahutite, mahuga 150 l kuni ja kaasa arvatud 13 $m^3$, ning nende lisaseadmete tavakontrollile, perioodilisele kontrollile ja ümberkvalifitseerimisele;
b) tavakontrolli, perioodilise kontrolli ja ümberkvalifitseerimise tulemusena, vastavalt vajadusele, protokollide säilitamisele ja/või mahutite märgistusele.

Standard ei käsitle jahutatult hoiustamist.

**EVS-EN 12819:2010**
**Vedelgaasi seadmed ja lisavarustus. Vedelgaasi mahutite, suuremad kui 13 m³, kontroll ja ümberkvalifitseerimine 12,65**

Eesti standard on Euroopa standardi EN 12819:2009 „LPG equipment and accessories - Inspection and requalification of LPG tanks greater than 13 m³“ ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määratleb nõuded:

a) paiksete vedelgaasi mahutite, mahuga rohkem kui 13 $m^3$, ning nende lisaseadmete tavakontrollile, perioodilisele kontrollile ja ümber-kvalifitseerimisele;
b) tavakontrolli, perioodilise kontrolli ja ümberkvalifitseerimise tulemusena, vastavalt vajadusele, protokollide säilitamisele ja/või mahutite märgistusele.

Standard ei käsitle jahutatult hoiustamist.

**EVS-EN 31010:2010**
**Riskijuhtimine. Riskihindamismeetodid 20,13**

Eesti standard on Euroopa standardi EN 31010:2010 „Risk management – Risk assessment techniques“ ingliskeelse teksti identne tõlge eesti keelde.

See standard on standardit ISO 31000 toetav ning annab juhiseid riskihindamise süstemaatiliste meetodite valimiseks ja rakendamiseks.

Standardikohane riskide hindamine aitab kaasa muudele riskijuhtimistegevustele.

Tutvustatakse mitmesuguste meetodite rakendamist, tehes asjakohaseid viiteid muudele rahvusvahelistele standarditele, kus kirjeldatakse üksikasjalikumalt meetodite kontseptsiooni ja rakendamist.

Standard ei ole mõeldud kasutamiseks sertifitseerimisel, normatiivselt ega lepingute sõlmimisel.

Standard ei paku konkreetseid kriteeriume riskianalüüsivajaduse tuvastamiseks ega määratle riski-analüüsimeetodi liiki, mis on teatava rakenduse puhul nõutav.

Standard ei puuduta kõiki meetodeid ning standardist väljajäetus ei tähenda meetodi kõlbmatust. Kui mingi meetod on teatavas olukorras rakendatav, ei tähenda, et seda meetodit peaks tingimata kasutama.

**EVS-EN 12697-23:2003**
**Asfaltsegud. Kuuma asfaltsegu katsemeetodid. Osa 23: Asfaltsegust proovikehade kaudse tõmbetugevuse määramine 7,29**

Eesti standard on Euroopa standardi EN 12697-23:2003 „Bituminous mixtures – Test methods for hot mix asphalt – Part 23: Determination of the indirect tensile strength of bituminous specimens“ ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard käsitleb asfaltsegust silindriliste proovikehade (lõhestamisega) kaudse tõmbetugevuse määramise katse-meetodit.

MÄRKUS Standardi prEN 12697-12 kohase asfaltproovikehade veepüsivuse määramise aluseks on kaudse tõmbetugevuse määramine selle katsemeetodiga.

**EVS-EN 12697-29:2003**
**Asfaltsegud. Kuuma asfaltsegu katsemeetodid. Osa 29: Asfaltsegust proovikeha mõõtmete määramine 5,11**

Eesti standard on Euroopa standardi EN 12697-29:2002 „Bituminous mixtures – Test methods for hot mix asphalt – Part 29: Determination of the dimensions of a bituminous specimen“ ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard käsitleb silindriliste, ristkülikukujuliste ja mitteristkülikukujuliste asfaltsegust proovikehade mõõtmete määramise meetodit. Selle Euroopa standardi kasutamist kirjeldatakse asfaltsegude toote-standardites. Katse on sobiv laboris valmistatud ja saagimisega vormitud proovikehadele või ka teekattest välja puuritud ja saagimisega vormitud proovikehadele.

**EVS 867:2011**
**Raudteealased rakendused. Reisijate ooteplatvormid 8,63**

Eesti standard on standardi EVS 867:2003+ A1:2007+A2:2009 uustöötlus.

Standardi uustöötlus on ajendatud vajadusest suurendada reisijate ohutust ning kõrvaldada praktikas ilmnenud puudujäägid standardi varasemas versioonis. Standardit on muudetud ja täiendatud, arvestades uute nõuetega reisijateveo parema kvaliteedi tagamiseks seoses uute võimalikult funktsionaalsete ooteplatvormide loomise ning uuenenud sõnakasutusega raudteealastes tehnilistes normides.

Standard käsitleb rongireisijate ooteplatvormide projekteerimisele, ehitamisele ja hooldusele esitatavaid nõudeid, hõlmates nii uusi (ehitatavaid) kui ka olemasolevaid (rekonstrueeritavaid) ooteplatvorme, juurdepääsuteid ooteplatvormidele ning juurdepääsuteel asuvaid ülekäigukohti.

**EVS-EN 60027-7:2010**
**Elektrotehnikas kasutatavad tähised. Osa 7: Elektrienergia genereerimine, edastamine ja jaotamine 12,65**
Eesti standard on Euroopa standardi EN 60027-7:2010 „Letter symbols to be used in electrical technology - Part 7: Power generation, transmission and distribution“ ingliskeelse teksti identne tõlge eesti keelde.
IEC 60027 seda osa rakendatakse elektrienergia genereerimise, edastamise ja jaotamise alal. Selles esitatakse suuruste ja ühikute nimed ja tähised. Peale selle esitatakse standardis liitindeksite kujundamise ja järjestamise reeglid.
IEC 60027 see osa kujutab endast standardi IEC 60027-1 täiendust. Seetõttu korratakse standardis IEC 60027-1 esitatud tähiseid üksnes siis, kui neil on elektrienergia genereerimise, edastamise ja jaotamise alane eritähendus või kui neid kasutatakse sel alal eriindeksitega.
Suur- ja väiketähtede kasutamise juhised on esitatud IEC 60027-1 jaotises 2.1, komplekssuuruste kirjutamisjuhised aga sama standardi jaotises 1.6. Seetõttu on paljudel juhtudel tähiste $\underline{U}$, $|\underline{U}| = U$ või $u$ asemel kasutatud lihtsustatult tähist $U$.

**EVS-EN 61000-6-3:2007+A1:2011**
**Elektromagnetiline ühilduvus. Osa 6-3: Erialased põhistandardid. Olme-, kaubandus- ja väiketööstuskeskkondade emissioonistandardid 10,61**
Eesti standard on Euroopa standardi EN 61000-6-3:2007 (Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments) ja selle muudatuse identne tõlge eesti keelde.
IEC 61000 see osa, mis käsitleb elektromagnetilise ühilduvuse nõudeid emissiooni piiramisel, kehtib elektri- ja elektroonikaseadmete kohta, mis on ette nähtud kasutamiseks olme-, kaubandus- ja väiketööstus-keskkondades.
EE MÄRKUS Elektromagnetilise ühilduvuse kohta kehtestatud Euroopa Parlamendi ja Nõukogu direktiivis 2004/108/EÜ mõistetakse *seadme* all kas üksikseadet või tervikuna müügile toodavaid seadmekoosteid ja eri seadmetest ning muudest osadest koosnevaid kohtkindlaid paigaldisi, mis võivad tekitada elektromagnetilisi häiringuid või mille talitlust elektromagnetilised häiringud võivad mõjutada.
Emissioonipiiramisnõuded hõlmavad sagedusvahemikku 0 Hz kuni 400 GHz. Sagedustel, mille puhul mingeid nõudeid ei esitata, ei ole mõõtmisi vaja sooritada.
Seda elektromagnetilise emissiooni põhistandardit rakendatakse siis, kui vastava toote või tootesarja kohta ei ole oma emissioonistandardit.

**EVS-EN 61000-6-3:2007/A1:2011**
**Elektromagnetiline ühilduvus. Osa 6-3: Erialased põhistandardid. Olme-, kaubandus- ja väiketööstuskeskkondade emissioonistandardid 7,93**
Eesti standard on Euroopa standardi EN 61000-6-3:2007 „Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments“ muudatuse A1:2011 ingliskeelse teksti identne tõlge eesti keelde.

**EVS-EN 61000-6-4:2007+A1:2011**
**Elektromagnetiline ühilduvus. Osa 6-4: Erialased põhistandardid. Tööstuskeskkondade emissioonistandardid 9,27**
Eesti standard on Euroopa standardi EN 61000-6-4:2007 (Electromagnetic compatibility (EMC) – Part 6: Generic standards – Section 4: Emission standard for industrial environments) ja selle muudatuse A1:2011 identne tõlge eesti keelde.
IEC 61000 see osa, mis käsitleb elektromagnetilise ühilduvuse nõudeid emissiooni piiramisel, kehtib elektri- ja elektroonikaseadmete kohta, mis on ette nähtud kasutamiseks allpool kirjeldatud tööstuskeskkondades.
EE MÄRKUS Elektromagnetilise ühilduvuse kohta kehtestatud Euroopa Parlamendi ja Nõukogu direktiivis 2004/108/EÜ mõistetakse *seadme* all kas üksikseadet või tervikuna müügile toodavaid seadmekoosteid ja eri seadmetest ning muudest osadest koosnevaid

kohtkindlaid paigaldisi, mis võivad tekitada elektromagnetilisi häiringuid või mille talitlust elektromagnetilised häiringud võivad mõjutada.
Emissioonipiiramisnõuded haaravad sagedusvahemikku 0 Hz kuni 400 GHz. Sagedustel, mille puhul mingeid nõudeid ei esitata, ei ole mõõtmisi vaja sooritada.
Seda elektromagnetilise emissiooni põhistandardit rakendatakse siis, kui vastava toote või tootesarja kohta ei ole oma emissioonistandardit.

**EVS-EN 61000-6-4:2007/A1:2011**
**Elektromagnetiline ühilduvus. Osa 6-4: Erialased põhistandardid.**
**Tööstuskeskkondade emissioonistandardid 7,93**
Eesti standard on Euroopa standardi EN 61000-6-4:2007 „Electromagnetic compatibility (EMC) — Part 6-4: Generic standards — Emission standard for industrial environments“ muudatuse A1:2011 ingliskeelse teksti identne tõlge eesti keelde.

**CEN/TS 15293:2011**
**Mootorikütused. Etanool (E85). Nõuded ja katsemeetodid 7,93**
Väljaanne on CEN-i tehnilise spetsifikatsiooni CEN/TS 15293:2011 „Automotive fuels - Ethanol (E85) automotive fuel - Requirements and test methods“ ingliskeelse teksti identne tõlge eesti keelde.
Tehniline kirjeldus määratleb nõuded ja katsemeetodid turustatavale ja tarnitavale mootorikütusena kasutatavale etanoolile (E85). Kirjeldus on rakendatav etanoolile (E85), mida kasutatakse etanooli (E85) jaoks konstrueeritud sädesüütemootoriga sõiduki kütusena.
Etanoolkütus E85 on segu nominaalselt 85 mahuprotsendist standardile EN 15376 vastavast etanoolist ja standardile EN 228 vastavast mootoribensiinist, kuid ette on nähtud ka võimalikud aastaaegadele vastavad margid etanoolisisaldusega üle 50 mahuprotsendi.
MÄRKUS Dokumendis kasutatakse massiosade ja mahuosade eristamiseks vastavalt tähiseid „% (*m/m*)“ ja „% (*V/V*)“.
EE MÄRKUS Eesti standardis kasutatakse vastavalt tähiseid „massi%“ ja „mahu%“.

**EVS-EN ISO 3170:2004**
**Vedelad naftasaadused. Käsitsi proovivõtt 17,32**
Eesti standard on Euroopa standardi EN ISO 3170:2004 „Petroleum liquids - Manual sampling“ ingliskeelse teksti identne tõlge eesti keelde.
Standard määratleb meetodid käsitsi proovivõtuks vedelatest ja poolvedelatest süsivesinikest, statsionaarsete mahutite mahutijääkidest ja setetest, raudteetsisternidest, autotsisternidest, laevade ja pargaste mahutitest, vaatidest, kanistritest ja torujuhtmetes pumbatavatest vedelikest.
Standardit rakendatakse proovivõtul naftasaadustest, toornaftast ja vahesaadustest, mida hoitakse mahutites atmosfäärirõhul või selle lähedasel rõhul või edastatakse torujuhtmetes ning mis on vedelad temperatuurivahemikus välistemperatuurist kuni temperatuurini 200 °C.
Määratletud proovivõtumetoodika ei ole mõeldud proovivõtuks spetsiifilistest naftasaadustest, mida käsitlevad muud standardid, näiteks isolaatorõlid (IEC 60475), veeldatud naftagaas (ISO 4257), veeldatud maagaas (ISO 8943) ja gaasiline maagaas (ISO 10715).
Standard viitab olemasolevatele proovivõtumeetoditele ja kasutuses olevatele seadmetele. See ei tähenda aga uue, praeguseks kommertskasutusse mittejõudnud varustuse välistamist eeldusel, et nimetatud varustus võimaldab võtta selle standardi nõuetele ja meetoditele vastavaid proove.
MÄRKUS Standardis kasutatakse mahuosa väljendamiseks tähist „% (m/m)“.
EE MÄRKUS Eesti standardis kasutatakse mahuosa väljendamiseks tähist „massi%“.

# MÄRTSIKUUS MUUDETUD STANDARDITE PEALKIRJAD

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

**Eesti standardite eestikeelsete pealkirjade muutmine:**

| Standardi tähis | Muudetav pealkiri (et) | UUS pealkiri (et) |
|---|---|---|
| EVS-ISO 14065:2008 | Kasvuhoonegaasid. Nõuded kasvuhoonegaaside deklaratsioone kasutuskohasuse tõendavatele (valideerivatele) ja nõuetekohasuse tõendavatele (verifitseerivatele) isikutele, kasutamiseks akrediteerimiseks või teisel moel tunnustamiseks | Kasvuhoonegaasid. Nõuded kasvuhoonegaaside heitkoguste valideerimis- ja tõendusasutustele, kasutamiseks akrediteerimisel või muul moel tunnustamisel |
| EVS-EN 50122-3:2010 | Raudteealased rakendused. Kohtkindlad paigaldised. Elektriohutus, maandamine ja potentsiaaliühtlustus. Osa 3: Alalis- ja vahelduvvoolu veosüsteemide vastastikune mõjutus | Raudteealased rakendused. Kohtkindlad paigaldised. Elektriohutus, maandamine ja tagasivooluahel. Osa 3: Alalis- ja vahelduvvoolu veosüsteemide vastastikune mõjutus |
| EVS-EN 50122-2:2010 | Raudteealased rakendused. Kohtkindlad paigaldised. Elektriohutus, maandus ja tagasivooluahel. Osa 2: Ettevaatusabinõud alalisvooluveosüsteemide põhjustatud uitvoolude mõjude vastu | Raudteealased rakendused. Kohtkindlad paigaldised. Elektriohutus, maandamine ja tagasivooluahel. Osa 2: Ettevaatusabinõud alalisvooluveosüsteemide põhjustatud uitvoolude mõjude vastu |

**Eesti standardite ingliskeelsete pealkirjade tõlkimine eesti keelde:**

| Standardi tähis | Standardi pealkiri (en) | Standardi pealkiri (et) |
|---|---|---|
| EVS-EN 50122-1:2011 | Railway applications - Fixed installations - Electrical safety, earthing and the return circuit - Part 1: Protective provisions against electric shock | Raudteealased rakendused. Kohtkindlad paigaldised. Elektriohutus, maandamine ja tagasivooluahel. Osa 1: Kaitsemeetmed elektrilöögi eest |
| CEN/TR 15855:2009 | Construction products - Assessment of release of dangerous substances - Barriers to trade | Ehitustooted. Ohtlike ainete eraldumise hindamine. Kaubandustõkked |
| CEN/TR 15858:2009 | Construction products - Assessment of the release of regulated dangerous substances from construction products based on the WT, WFT/FT procedures | Ehitustooted. Õiguslikult reguleeritud ohtlike ainete eraldumise hindamine menetluste WT ja WFT/FT põhjal |
| CEN/TR 16045:2010 | Construction Products - Assessment of release of dangerous substances - Content of regulated dangerous substances - Selection of analytical methods | Ehitustooted. Ohtlike ainete eraldumise hindamine. Õiguslikult reguleeritud ohtlike ainete sisaldus. Analüüsimeetodite valik |
| CEN/TR 16098:2010 | Construction products: Assessment of release of dangerous substances - Concept of horizontal testing procedures in support of requirements under the CPD | Ehitustooted. Ohtlike ainete eraldumise hindamine. Ehitustoodete direktiivi nõuetele vastavate horisontaalsete katsemenetluste mõiste |

| | | |
|---|---|---|
| EVS-EN 14063-1:2005/AC:2006 | Thermal insulation materials and products - In-situ formed expanded clay lightweight aggregate products (LWA) - Part 1: Specification for the loose-fill products before installation | Ehituslikud soojusisolatsioonitooted. Kasutuskohas valmistatav kergkruussoojustus. Osa 1: Puistesoojustusmaterjali spetsifikatsioon (enne paigaldamist) |
| CEN/TR 16059:2010 | Food analysis - Performance criteria for single laboratory validated methods of analysis for the determination of mycotoxins | Toiduanalüüsid. Suutlikkuskriteeriumid üksikmeetodite laborisiseseks valideerimiseks mükotoksiinide analüüside teostamisel |

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