

Ilmub üks kord kuus alates 1993. aastast

# EVS TEATAJA

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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## HARMONEERITUD STANDARDID

*Tehnilise normi ja standardi 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 95/16/EÜ Liftid

(EL Teataja 2010/C 52/04)

<b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>	<b>Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas</b>	<b>Viide asendatavale Eesti standardile</b>	<b>Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1</b>
EVS-EN 81-1:1998+A3:2010 Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 1: Elektriliftid / <i>Safety rules for the construction and installation of lifts - Part 1: Electric lifts</i>	02.03.2010	EVS-EN 81-1:1999	30.06.2011
EVS-EN 81-2:1998+A3:2010 Liftide valmistamise ja paigaldamise ohutuseeskirjad. Osa 2: Hüdraulilised liftid / <i>Safety rules for the construction and installation of lifts - Part 2: Hydraulic lifts</i>	02.03.2010	EVS-EN 81-2:1999	30.06.2011

#### 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.

**Direktiiv 89/106/EMÜ Ehitustooted**  
(EL Teataja 2010/C 71/03)

<b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>	<b>Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas</b>	<b>Viide asendatavale Eesti standardile</b>	<b>Tähtaeg, millal standard on rakendatav harmoneeritud standardina</b>	<b>Koos-eksisteerimis-perioodi lõpp-tähtaeg Märkus 4</b>
EVS-EN 621:2010 Väljaspool kodumajapidamist kasutatavad gaasikütel sundkonvektsiooniga otsepõlemis-õhusoojendid ruumide soojendamiseks, soojuse netosisendväärtusega alla 300 kW, ilma põlemisõhku ja/või põlemisjääke teisaldava ventilaatorita / <i>Non-domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 300 kW, without a fan to assist transportation of combustion air and/or combustion products</i>	19.03.2010		01.08.2010	01.08.2011
EVS-EN 778:2009 Kodumajapidamises kasutatavad sundkonvektsiooniga gaasikütel õhusoojendid ruumide soojendamiseks, soojuse netosisendväärtusega alla 70 kW, ilma põlemisõhku ja/või põlemisjääke teisaldava ventilaatorita / <i>Domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 70 kW, without a fan to assist transportation of combustion air and/or combustion products</i>	19.03.2010		01.08.2010	01.08.2011
EVS-EN 1020:2009 Gaasikütel töötavad sundkonvektsiooniga õhusoojendid, mis pole ette nähtud kasutamiseks kodumajapidamises. Nende soojuse netosisendväärtus on alla 300 kW ja need õhusoojendid on varustatud põlemisõhku ja/või põlemisjääkgaase teisaldava ventilaatoriga / <i>Non-domestic forced convection gas-fired air heaters for space heating not exceeding a net heat input of 300 kW incorporating a fan to assist transportation of combustion air or combustion products</i>	19.03.2010		01.08.2010	01.08.2011
EVS-EN 1319:2010 Kodumajapidamises kasutatavad gaasikütel õhusoojendid sisendvõimsusega mitte üle 70 kW / <i>Domestic gas-fired forced convection air heaters for space heating, with fan-assisted burners not exceeding a net heat input of 70 kW</i>	19.03.2010		01.10.2010	01.10.2011

EVS-EN 12966-1:2005+A1:2010 Vertikaalsed liiklusmärgid maanteedel. Osa 1: Erinevad teavitavad märgid / <i>Road vertical signs - Variable message traffic signs - Part 1: Product standard</i>	19.03.2010	EVS-EN 12966-1:2005	01.08.2010	01.08.2011
EVS-EN 14303:2009 Termoisolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik mineraalvatt(MW) – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made mineral wool (MW) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14304:2009 Termoisolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik elastne elastomeervah (FEF) tooted – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14305:2009 Termoisolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik poorne klaas (CG) tooted – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made cellular glass (CG) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14306:2009 Termoisolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik kaltsium silikaat (CS) tooted – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made calcium silicate (CS) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14307:2009 Termoisolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik polüstüreenvah (XPS) tooted – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made extruded polystyrene foam (XPS) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14308:2009 Hoonete tehnoseadmete ja tööstuslike paigaldiste soojusisolatsioonitooted. Tehases toodetud poliüretaanvahust ja poliisotsüanuraatvahust jäigad tooted. Tehniline kirjeldus / <i>Thermal insulation products for building equipment and industrial installations - Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012

EVS-EN 14309:2009 Termostolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik laiendatud polüstüreen (EPS) – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made products of expanded polystyrene (EPS) - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14313:2009 Termostolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik polüetüleenvaht (PEF) tooted – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 14314:2009 Termostolatsioonimaterjalid ehitusseadmetele ning tööstusseadmetele - tööstuslik fenoolvaht (PF) tooted – spetsifikatsioon / <i>Thermal insulation products for building equipment and industrial installations - Factory made phenolic foam (PF) products - Specification</i>	19.03.2010		01.08.2010	01.08.2012
EVS-EN 15129:2009 Anti-seismilised seadmed / <i>Anti-seismic devices</i>	19.03.2010		01.08.2010	01.08.2011
EVS-EN 15274:2007 Ehituskoostete monteerimisel kasutatavad üldotstarbelised liimained. Nõuded ja katsemeetodid / <i>General purpose adhesives for structural assembly. Requirements and test methods</i>	19.03.2010		01.04.2010	01.04.2011
EVS-EN 15275:2007 Ehitusliimid. Hoonetes ja rajatistes kasutatavate koaksiaalsete metall-liidete anaeroobsete liimide spetsifikatsioon / <i>Structural adhesives. Characterisation of anaerobic adhesives for co-axial metallic assembly in building and civil engineering structures</i>	19.03.2010		01.04.2010	01.04.2011

Märkus 4:

Kooseksisteerimisperioodi lõpu kuupäev on sama, mis harmoneeritud standardiga vastuolus oleva rahvusliku tehnilise kirjelduse kehtetuks tunnistamise kuupäev, pärast mida on toote nõuetele vastavuse tõendamise aluseks harmoneeritud Euroopa tehniline kirjeldus (harmoneeritud standard või Euroopa tehniline tunnustus), mis on kättesaadav Euroopa Komisjoni ja NANDO infosüsteemi lehel:

<http://ec.europa.eu/enterprise/newapproach/nando/index.cfm?fuseaction=cpd.hs>

Kui harmoneeritud standard asendatakse uue versiooniga, võib mõlemat standardi versiooni kasutada CE-vastavusmärgise saamise alusena kuni koeksisteerimisperioodi lõpuni.

## 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 huvitatul 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 käsitusala 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
- Käsitusala
- 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](mailto:standardiosakond@evs.ee), kavandeid saab osta klienditeenindusest [standard@evs.ee](mailto:standard@evs.ee).

Vastavad vormid arvamuse avaldamiseks Euroopa ja rahvusvaheliste standardikavandite ning algupäraste Eesti standardikavandite kohta leiate EVS koduleheküljelt [www.evs.ee](http://www.evs.ee).

# ICS PÕHIRÜHMAD

## ICS Nimetus

- 01 Üldküsimumused. 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. Füüsilised 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
- 33 Sidetehnika
- 35 Infotehnoloogia. Kontoriseadmed
- 37 Visuaaltehnika
- 39 Täppismehaanika. Juvelitooted
- 43 Maantesõidukite ehitus
- 45 Raudteetehnika
- 47 Laevaehitus ja mereehitised
- 49 Lennundus ja kosmosetehnika
- 53 Tõste- ja teisaldusseadmed
- 55 Pakendamine ja kaupade jaotussüsteemid
- 59 Tekstiili- ja nahatehnoloogia
- 61 Rõivatööstus
- 65 Põllumajandus
- 67 Toiduainete tehnoloogia
- 71 Keemiline tehnoloogia
- 73 Mäendus ja maavarad
- 75 Nafta ja naftatehnoloogia
- 77 Metallurgia
- 79 Puidutehnoloogia
- 81 Klaasi- ja keraamikatööstus
- 83 Kummi- ja plastitööstus
- 85 Paberitehnoloogia
- 87 Värvide ja värvainete tööstus
- 91 Ehitusmaterjalid ja ehitus
- 93 Rajatised
- 95 Sõjatehnika
- 97 Olme. Meelelahutus. Sport
- 99 Muud



## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS 807:2010/AC:2010**

Hind 0,00

#### **Kinnisvara korrashoid. Kinnisvarakeskkonna korraldamine**

Standardi EVS 807:2010 parandus

Keel et

#### **EVS-EN 1330-4:2010**

Hind 336,00

Identne EN 1330-4:2010

#### **Non destructive testing - Terminology - Part 4: Terms used in ultrasonic testing**

This European Standard defines terms used in ultrasonic testing.

Keel en

Asendab EVS-EN 1330-4:2000

#### **EVS-EN 15663:2009/AC:2010**

Hind 0,00

Identne EN 15663:2009/AC:2010

#### **Raudteealased rakendused. Veeremi lähtekaalu määramine**

Keel en

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 1330-4:2000**

Identne EN 1330-4:2000

#### **Non destructive testing - Terminology - Part 4: Terms used in ultrasonic testing**

The standard defines terms used in ultrasonic testing.

Keel en

Asendatud EVS-EN 1330-4:2010

#### **EVS-HD 450.11 S1:2003**

Identne HD 450.11 S1:1985

ja identne IEC 60118-11:1983

#### **Hearing aids; Part 11: Symbols and other markings on hearing aids and related equipment**

Applies to symbols and other markings on hearing aids and related equipment for the purpose of identifying control setting and giving information regarding technical functions and characteristics. Provides symbols and markings for the benefit of users and those involved in the fitting of hearing aids and related equipment.

Keel en

### KAVANDITE ARVAMUSKÜSITLUS

#### **FprEN ISO 13943**

Identne FprEN ISO 13943:2010

ja identne ISO 13943:2008

Tähtaeg 30.05.2010

#### **Fire safety - Vocabulary**

This International Standard defines terminology relating to fire safety as used in International Standards and other documents of the International Standardization Organization and the International Electrotechnical Committee.

Keel en

Asendab EVS-EN ISO 13943:2000

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

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN ISO/TS 13141:2010**

Hind 219,00

Identne CEN ISO/TS 13141:2010

ja identne ISO/TS 13141:2010

#### **Electronic fee collection - Localisation augmentation communication for autonomous systems**

This Technical Specification establishes requirements for short-range communication for the purposes of augmenting the localisation in autonomous electronic fee collection (EFC) systems. Localisation augmentation serves to inform OBE about geographical location and the identification of a charge object. This Technical Specification specifies the provision of location and heading information and security means to protect from the manipulation of the OBE with false road-side equipment (RSE).

Keel en

#### **EVS 807:2010/AC:2010**

Hind 0,00

#### **Kinnisvara korrashoid. Kinnisvarakeskkonna korraldamine**

Standardi EVS 807:2010 parandus

Keel et

#### **EVS-EN 14434:2010**

Hind 198,00

Identne EN 14434:2010

#### **Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

This European Standard specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc. It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur. This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included. Requirements concerning electrical safety are not included. Annex A (normative) includes an assessment scale for the ability to write and erase. Annex B (informative) includes terminology for display writing boards. Annex C (informative) includes significant technical differences between this document and EN 14434:2004.

Keel en

Asendab EVS-EN 14434:2005; EVS-EN 14434:2005/AC:2008

## **EVS-EN ISO/IEC 17043:2010**

Hind 229,00

Identne EN ISO/IEC 17043:2010

ja identne ISO/IEC 17043:2010

### **Conformity assessment - General requirements for proficiency testing**

This International Standard specifies general requirements for the competence of providers of proficiency testing schemes and for the development and operation of proficiency testing schemes. These requirements are intended to be general for all types of proficiency testing schemes, and they can be used as a basis for specific technical requirements for particular fields of application.

Keel en

## **ASENDATUD VÕI TÛHISTATUD STANDARDID**

### **CWA 15710:2007**

Identne CWA 15710:2007

#### **Metalex (Open XML Interchange Format for Legal and Legislative Resources)**

This document contains agreements about:

- the abstract content models supported by the standard,
- the way metadata is added to a document, and
- a generic model for organizing metadata in RDF.

It does not constitute a complete, workable XML standard.

Keel en

### **EVS-EN 14434:2005**

Identne EN 14434:2004

#### **Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

This document specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities etc. It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur.

Keel en

Asendatud EVS-EN 14434:2010

### **EVS-EN 14434:2005/AC:2008**

Identne EN 14434:2004/AC:2008

#### **Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

Keel en

Asendatud EVS-EN 14434:2010

### **EVS-EN 100114-1:2002**

Identne EN 100114-1:1996

#### **Rule of Procedure - Quality Assessment Procedures - Part 1: CECC requirements for the approval of an organization**

This section is intended for use by manufactureres, distributors and specialist contractors operating in the field of electronic components, who wish to obtain quality system approval for an organization under the CECC System. This RP shall prevail in cases of apparent conflict.

Keel en

## **KAVANDITE ARVAMUSKÛSITLUS**

### **FprEN 9110**

Identne FprEN 9110:2010

Tähtaeg 30.05.2010

#### **Quality Management Systems - Requirements for Aviation Maintenance Organizations**

This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9110:2006

### **prEN 14169-2**

Identne prEN 14169-2:2010

Tähtaeg 30.05.2010

#### **Protection Profile for Secure signature creation device - Part 2: Device with key generation**

This European Standard specifies a protection profile for a secure signature creation device that may generate signing keys internally: SSCD with key generation.

Keel en

### **prEN 15722**

Identne prEN 15722:2010

Tähtaeg 30.05.2010

#### **Road transport and traffic telematics - ESafety - ECall minimum set of data**

This European Standard defines the standard data concepts that comprise the "Minimum Set of Data" to be transferred from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency via an 'eCall' communication session.

Keel en

Asendab CEN/TS 15722:2009

### **prEN 16062**

Identne prEN 16062:2010

Tähtaeg 30.05.2010

#### **Intelligent transport systems - ESafety - ECall high level application requirements (HLAP)**

In respect of 'Pan European' eCall (operating requirements defined in EN xxxxxx Intelligent transport systems- eCall- Pan European eCall operating requirements), this European Standard defines the high level application protocols, procedures and processes required to provide the eCall service using a TS12 emergency call over a mobile communications network. The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same quality of services objectives by using a mobile telecommunication network (e.g. GSM) which supports the European harmonised 112/E112 emergency number (TS12 ETSI TS 122 003) and to provide a means of manually triggering the notification of an emergency incident.

Keel en

## prEN 16072

Identne prEN 16072:2010

Tähtaeg 30.05.2010

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

The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same Quality of Services objectives by using a mobile telecommunication network (e.g. GSM) which supports the European pre-assigned emergency destination address (TS12 [Ref.11])(See [Ref.5, Ref.6, Ref.7, Ref.8, Ref.9]), and to provide a means of manually triggering the notification of an incident. This European Standard defines the general operating requirements and intrinsic procedures for in-vehicle emergency call (eCall) services in order to transfer an emergency message from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency, via an 'eCall' communication session and to establish a voice channel between the in-vehicle equipment and the PSAP.

Keel en

## prEVS-ISO 31000

ja identne ISO 31000:2009

Tähtaeg 30.05.2010

### **Riskijuhtimine – Põhimõtted ja juhised**

ISO 31000 sätestab põhimõtted ja üldised juhised riskijuhtimisele. ISO 31000 võib kasutada mis tahes avalik-, era- või kogukonna ettevõtetus, ühendus, rühm või üksikisik. Seega, ISO 31000 ei ole seotud ühegi konkreetse tööstusharu või sektori. ISO 31000 on võimalik rakendada kogu elu korralduse ja palju erinevaid tegevusi, kaasa arvatud strateegiate kavandamise ja otsuste, tegevuste, protsesside, ülesannete, projektide, toodete, teenuste ja vara. ISO 31000 saab kohaldada ükskõik millise riski, sõltumata selle laadist, kas positiivset või negatiivset mõju. Kuigi standard sätestab üldised juhised, standard ei ole mõeldud edendama ühtsust riskijuhtimise kogu organisatsioonis. Kavandamise ja rakendamise maandamise kavade koostamine ja raamistikud peavad arvesse võtma antud organisatsiooni erinevaid vajadusi, eriti tema eesmärgid, kontekst, ülesehitus, tegevuse, protsesside, ülesannete, projektide, toodete, teenuste või vara ning teatud tavade. ISO 31000 ühtlustab riskijuhtimise protsesse olemasolevates ja ka tulevastes standardites. See annab ühise lähenemisviisi, et toetada standardite tegelevad konkreetsete riskide ärahoidmiseks ja / või sektoritele, kuid ei asenda nimetatud standarditele. ISO 31000 ei ole ette nähtud sertifitseerimise eesmärgil.

Keel en

## **07 MATEMAATIKA. LOOUSTEADUSED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TR 15996:2010**

Hind 166,00

Identne CEN/TR 15996:2010

#### **Hydrometry - Measurement of snow water equivalent using snow mass registration devices**

This Technical Report defines the requirements for the use of snow mass registration devices for measurement of SWE under natural environmental conditions. It includes weighing and pressure measuring methods.

Keel en

## **11 TERVISEHOOLDUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TS 22367:2010**

Hind 135,00

Identne CEN ISO/TS 22367:2010

ja identne ISO/TS 22367:2008+Cor 1:2009

#### **Medical laboratories - Reduction of error through risk management and continual improvement**

This Technical Specification characterizes the application of ISO 15189 as a system for reducing laboratory error and improving patient safety by applying the principles of risk management, with reference to examination aspects, especially to pre- and post-examination aspects, of the cycle of laboratory medical care. This Technical Specification proposes a methodology for finding and characterizing medical laboratory error that would be avoided with the application of ISO 15189.

Keel en

#### **EVS-EN 60601-1-2:2007/AC:2010**

Hind 0,00

Identne EN 60601-1-2:2007/Corr:2010

#### **Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja seadmeomasele toimivusele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused**

Keel en

#### **EVS-EN 60601-1-6:2007/AC:2010**

Hind 0,00

Identne EN 60601-1-6:2007/Corr:2010

#### **Elektrilised meditsiiniseadmed. Osa 1-6: Üldnõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Kasutus sobivus**

Keel en

#### **EVS-EN 60601-1-8:2007/AC:2010**

Hind 0,00

Identne EN 60601-1-8:2007/Corr:2010

#### **Elektrilised meditsiiniseadmed. Osa 1-8: Üldnõuded esmasele ohutusele ja seadmeomasele toimivusele. Kollateraalsandard: Elektrilistes meditsiiniseadmetes ja -süsteemides kasutatavatele häiresüsteemidele esitatavad üldnõuded, katsetamine ja juhised**

Keel en

**EVS-EN 62083:2010**

Hind 209,00

Identne EN 62083:2009

ja identne IEC 62083:2009

**Elektrilised meditsiiniseadmed. Nõuded kiiritusravi planeerimissüsteemide ohutusele**

This International Standard applies to the design, manufacture and some installation aspects of a radiotherapy treatment planning systems(RTPS) - for use in RADIOTHERAPY TREATMENT PLANNING in human medical practice; - that imports data either through input by the OPERATOR or directly from other devices; - that outputs data either in printed form for review or directly to other devices; - and which is intended to be - for NORMAL USE, under the authority of appropriately licensed or QUALIFIED PERSONS, by OPERATORS having the required skills and training; - maintained in accordance with the recommendations given in the INSTRUCTIONS FOR USE, and - used within the environmental and electrical supply conditions SPECIFIED in the technical description.

Keel en

Asendab EVS-EN 62083:2002

**EVS-EN 60601-1:2006/AC:2010**

Hind 0,00

Identne EN 60601-1:2006/Corr:2010

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

Keel en

**EVS-EN 60601-1-3:2008/AC:2010**

Hind 0,00

Identne EN 60601-1-3:2008/Corr:2010

**Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisinäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele**

Keel en

**EVS-EN ISO 7396-1:2007/A1:2010**

Hind 68,00

Identne EN ISO 7396-1:2007/A1:2010

ja identne ISO 7396-1:2007/Amd 1:2010

**Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Amendment 1: Requirements for terminal units for vacuum fitted on medical supply units with operator-adjustable portions and connected to the pipeline through flexible hoses**

Käesolev Euroopa standard määratleb põhinõuded meditsiiniliste surugaaside ja vaakumtorustike süsteemide paigaldamise, toimimise, läbilaskevõime, dokumentatsiooni, kontrollimise ja kasutussevõtmise jaoks eesmärgiga tagada patsiendi ohutus, varustades teda torusüsteemi abil pidevalt õige gaasiga.

Keel en

**EVS-EN ISO 7396-1:2007/A2:2010**

Hind 80,00

Identne EN ISO 7396-1:2007/A2:2010

ja identne ISO 7396-1:2007/Amd 2:2010

**Meditsiinilise gaasi torusüsteemid. Osa 1: Torustikud meditsiiniliste surugaaside ja vaakumi jaoks**

Käesolev Euroopa standard määratleb põhinõuded meditsiiniliste surugaaside ja vaakumtorustike süsteemide paigaldamise, toimimise, läbilaskevõime, dokumentatsiooni, kontrollimise ja kasutussevõtmise jaoks eesmärgiga tagada patsiendi ohutus, varustades teda torusüsteemi abil pidevalt õige gaasiga.

Keel en

**EVS-EN ISO 7885:2010**

Hind 105,00

Identne EN ISO 7885:2010

ja identne ISO 7885:2010

**Dentistry - Sterile injection needles for single use**

This International Standard gives dimensional and performance requirements for sterile injection needles for single use which are used in dental cartridge syringes complying with ISO 9997 for injection of dental local anaesthetics. It further specifies requirements with respect to their packaging, labelling and colour coding. It does not cover needles for special applications or techniques. Only the materials used for the construction of the needle tubing are specified.

Keel en

Asendab EVS-EN ISO 7885:2001

**EVS-EN ISO 10993-16:2010**

Hind 135,00

Identne EN ISO 10993-16:2010

ja identne ISO 10993-16:2010

**Meditsiiniseadmete bioloogiline hindamine. Osa 16: Mittetäisväärtuslike saaduste ja uhtainete jaoks mõeldud toksikokineetilise uuringu ülesehitus**

This part of ISO 10993 gives principles on how toxicokinetic studies relevant to medical devices should be designed and performed. Annex A describes the considerations for inclusion of toxicokinetic studies in the biological evaluation of medical devices.

Keel en

Asendab EVS-EN ISO 10993-16:2009

**EVS-EN ISO 15752:2010**

Hind 105,00

Identne EN ISO 15752:2010

ja identne ISO 15752:2010

**Oftalmilised instrumendid. Endoilluminaatorid. Põhinõuded ja katsemeetodid optilise kiirguse kaitse tagamiseks**

This International Standard specifies optical radiation safety aspects of endoilluminator light sources and endoilluminator light guides which are used to illuminate the interior of the eye during ocular surgery.

Keel en

### **EVS-EN ISO 15798:2010**

Hind 166,00

Identne EN ISO 15798:2010

ja identne ISO 15798:2010

#### **Oftalmilised implantaadid. Oftalmilised visko-kirurgilised seadmed**

This International Standard is applicable to ophthalmic viscosurgical devices (OVDs), a class of non-active surgical implants with viscous and/or viscoelastic properties, intended for use during surgery in the anterior segment of the human eye. OVDs are designed to create and maintain space, to protect intra-ocular tissues and to manipulate tissues during surgery. This International Standard specifies requirements with regard to safety for the intended performance, design attributes, preclinical and clinical evaluation, sterilization, product packaging, product labelling and information supplied by the manufacturer of these devices.

Keel en

Asendab EVS-EN ISO 15798:2002

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 62083:2002**

Identne EN 62083:2001

ja identne IEC 62083:2000

#### **Elektrilised meditsiiniseadmed. Nõuded kiiritusravi planeerimissüsteemide ohutusele**

This Standard applies to the design and manufacture and some installation aspects of an RTPS: - for use in radiotherapy treatment planning in human medical practice; - that import data either through input by the operator or directly from other devices; - that output data either in printed form for review or directly to other devices; - and intended to be: - for normal use, under the authority of appropriately licensed or qualified persons, by operators having the required skills and training; - maintained in accordance with the recommendations given in the instructions for use; and - used within the environmental and electrical supply conditions specified in the technical description.

Keel en

Asendatud EVS-EN 62083:2010

#### **EVS-EN ISO 7885:2001**

Identne EN ISO 7885:2000

ja identne ISO 7885:2000

#### **Steriilsed ühekordselt kasutatavad stomatoloogilisteks süsteteks ettenähtud nõelad**

Käesolev standard esitab nõuded selliste süsteteks ettenähtud steriilsete ühekordselt kasutatavate nõelte mõõtmetele ja eksploatatsioonile, mida kasutatakse stomatoloogilistes püstolsüstaldes lokaalsete anesteetikumide (paiksete tuimastite) manustamiseks. Standard ei hõlma eriotstarbeliseks kasutamiseks ja erivõteteks ette nähtud nõelu.

Keel en

Asendab EVS-EN ISO 7885:1999

Asendatud EVS-EN ISO 7885:2010

### **EVS-EN ISO 10993-16:2009**

Identne EN ISO 10993-16:2009

ja identne ISO 10993-16:1997

#### **Meditsiiniseadmete bioloogiline hindamine. Osa 16: Mittetäisvääruslike saaduste ja uhtainete jaoks mõeldud toksikokineetilise uuringu ülesehitus**

This part of ISO 10993 gives principles on how toxicokinetic studies relevant to medical devices should be designed and performed. Annex A describes the considerations for inclusion of toxicokinetic studies in the biological evaluation of medical devices.

Keel en

Asendab EVS-EN ISO 10993-16:1999

Asendatud EVS-EN ISO 10993-16:2010

#### **EVS-EN ISO 15798:2002**

Identne EN ISO 15798:2001 + AC:2005

ja identne ISO 15798:2001

#### **Ophthalmic implants - Ophthalmic viscosurgical devices**

This standard applies ophthalmic viscosurgical devices (OVDs), a class of non-active surgical implants with viscous and/or viscoelastic properties, intended for use during surgery in the anterior segment of the human eye.

Keel en

Asendatud EVS-EN ISO 15798:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN ISO 11979-8:2009/prA1**

Identne EN ISO 11979-8:2009/prA1:2010

ja identne ISO 11979-8:2009/DAM 1:2010

Tähtaeg 30.05.2010

#### **Oftalmilised implantaadid. Intraokulaarsed läätsed. Osa 8: Põhinõuded**

This part of ISO 11979 specifies fundamental requirements for all types of intraocular lenses intended for surgical implantation into the anterior segment of the human eye, excluding corneal implants and transplants.

Keel en

#### **FprEN ISO 8362-2**

Identne FprEN ISO 8362-2:2010

ja identne ISO 8362-2:2008

Tähtaeg 30.05.2010

#### **Injection containers and accessories - Part 2: Closures for injection vials**

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

Keel en

Asendab EVS-EN 28362-2:1999

**FprEN ISO 10342**

Identne FprEN ISO 10342:2010  
ja identne ISO/FDIS 10342:2010  
Tähtaeg 30.05.2010

**Ophthalmic instruments - Eye refractometers**

This International Standard, together with ISO 15004-1, specifies requirements and test methods for eye refractometers using an objective measuring principle. It is limited to the measurement of spherocylindrical refractive error. This International Standard takes precedence over ISO 15004-1, if differences exist.

Keel en

Asendab EVS-EN ISO 10342:2004

**FprEN ISO 10993-13**

Identne FprEN ISO 10993-13:2010  
ja identne ISO/FDIS 10993-13:2010  
Tähtaeg 30.05.2010

**Meditsiiniseadmete bioloogiline hindamine. Osa 13: Polümeersetest meditsiiniseadmetest pärit mittetäisväärtuslike saaduste kuuluvuse ja koguse kindlakstegemine**

This part of ISO 10993 provides general requirements for the design of tests in a simulated environment for identifying and quantifying degradation products from finished polymeric medical devices ready for clinical use. This part of ISO 10993 describes two test methods to generate degradation products, an accelerated degradation test as a screening method and a real-time degradation test in a simulated environment. For materials that are intended to polymerize in situ, the set or cured polymer is used for testing. The data generated are used in the biological evaluation of the polymer. This part of ISO 10993 considers only non-resorbable polymers. Similar but appropriately modified procedures may be applicable for resorbable polymers. This part of ISO 10993 considers only those degradation products generated by a chemical alteration of the finished polymeric device. It is not applicable to degradation of the device induced during its intended use by mechanical stress, wear or electromagnetic radiation or biological factors such as enzymes, other proteins and cellular activity.

Keel en

Asendab FprEN ISO 10993-13

**FprEN ISO 12867**

Identne FprEN ISO 12867:2010  
ja identne ISO/FDIS 12867:2010  
Tähtaeg 30.05.2010

**Oftalmilised instrumendid. Prooviraamid**

This International Standard, together with ISO 15004-1, specifies minimum requirements and test methods for trial frames for holding trial case lenses, complying with ISO 9801, in front of a subject's eyes in order to assess visual acuity and facilitate optical correction of vision. This International Standard is applicable to lens holders mounted on headbands, bracket-mounted frames and frames mounted in the manner of spectacles with supports on the ears and the bridge of the nose. It is applicable to all types of trial frame, including half-eye and rotating lens holders. This International Standard is not applicable to refractor heads (see ISO 10341). This International Standard takes precedence over ISO 15004-1, if differences exist.

Keel en

Asendab EVS-EN ISO 12867:1999

**FprEN ISO 14602**

Identne FprEN ISO 14602:2010  
ja identne ISO/FDIS 14602:2010  
Tähtaeg 30.05.2010

**Mitteaktiivsed kirurgilised implantaadid.****Osteosünteesiks ettenähtud implantaadid. Erinõuded**

This International Standard specifies particular requirements for non-active surgical implants for osteosynthesis, hereafter referred to as implants. In addition to ISO 14630, this International Standard gives particular requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer.

Keel en

Asendab EVS-EN ISO 14602:2009

**prEN 13624**

Identne prEN 13624:2010  
Tähtaeg 30.05.2010

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

This European Standard specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water, or - in the case of ready-to-use products - with water. Products can only be tested at a concentration of 80 % or less (97 % with a modified method for special cases) as some dilution is always produced by adding the test organisms and interfering substance. This European Standard applies to products that are used in the medical area in the fields of hygienic handrub, hygienic handwash, surgical handrub, surgical handwash, instrument disinfection by immersion, and surface disinfection by wiping, spraying, flooding or other means.

Keel en

Asendab EVS-EN 13624:2004

**prEN ISO 10685-1**

Identne prEN ISO 10685-1:2010  
ja identne ISO/DIS 10685-1:2010  
Tähtaeg 30.05.2010

**Ophthalmic optics - Spectacle frames and sunglasses electronic catalogue and identification - Part 1: Product identification and electronic catalogue product hierarchy**

The scope of this document is to define rules and requirements for the definition of a unique identifier for spectacle frames and sunglass frames, and to define data information and file format used for identifying spectacle frames and sunglass frames. The scope includes sunglass clip-ons.

Keel en

## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN/TR 14383-5:2010**

Hind 243,00

Identne CEN/TR 14383-5:2010

#### **Prevention of crime - Urban planning and building design - Part 5: Petrol stations**

This Technical Report gives guidelines for a recommended strategy for efficiently combating the different types of crime liable to be committed against petrol stations. NOTE Crimes that are liable to be committed against petrol stations could include: armed robbery, violent theft, burglary (usually by breaking in at night), theft, fraud (failure to pay, use of stolen credit cards or cheques and other frauds), arson, vandalism and other crimes and offences. This Technical Report is applicable to new and existing petrol station buildings that are open to and accessible by the public.

Keel en

#### **CEN/TR 15983:2010**

Hind 229,00

Identne CEN/TR 15983:2010

#### **Stationary source emissions - Guidance on the application of EN 14181:2004**

This CEN Technical Report provides guidance for applying the European Standard EN 14181:2004. This CEN Technical Report provides guidance only on applying the quality assurance levels QAL1, QAL2 and QAL3 as well as the Annual Surveillance Test (AST). This CEN Technical Report is an informative document.

Keel en

#### **EVS-EN 838:2010**

Hind 219,00

Identne EN 838:2010

#### **Workplace exposure - Procedures for measuring gases and vapours using diffusive samplers - Requirements and test methods**

This European Standard specifies performance requirements and test methods under prescribed laboratory conditions for the evaluation of diffusive samplers and of procedures using these samplers for the determination of gases and vapours in workplace atmospheres. This European Standard is applicable to diffusive samplers and measuring procedures using these samplers in which sampling and analysis are carried out in separate stages. This European Standard is not applicable to: - diffusive samplers which are used for the direct determination of concentrations; - diffusive samplers which rely on sorption into a liquid.

Keel en

Asendab EVS-EN 838:1999

#### **EVS-EN 1366-5:2010**

Hind 178,00

Identne EN 1366-5:2010

#### **Fire resistance tests for service installations - Part 5: Service ducts and shafts**

This European Standard specifies a method for determining the fire resistance of horizontal service ducts and vertical service shafts, which pass through walls or floors and enclose pipes and cables. The test examines the behaviour of ducts and shafts exposed to fire from outside and from inside the duct. This European Standard is intended to be read in conjunction with EN 1363-1. This European Standard does not examine the risk of fire spread as a result of thermal conduction along the piping installed in service ducts or shafts, or thermal conduction through the media these pipes carry. It does not cover the risk of damage produced by thermal elongation or shortening of tubes and cables as a result of fire, or damaged pipe suspensions. This European Standard does not give guidance on how to test one, two or three sided service ducts or shafts.

Keel en

Asendab EVS-EN 1366-5:2003

#### **EVS-EN 13238:2010**

Hind 114,00

Identne EN 13238:2010

#### **Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates**

This European Standard describes the conditioning procedures for test specimens which will be tested according to the European standards for reaction to fire. The rules for the selection of substrates for construction products when carrying out reaction to fire tests are also detailed in this European Standard. This European Standard does not contain requirements for - the pre-drying of test specimens for the non-combustibility test according to EN ISO 1182; - methods of cleaning (e.g. washing) and other methods for the assessment of durability aspects, which are dealt with in the relevant product standards.

Keel en

Asendab EVS-EN 13238:2002

#### **EVS-EN 14434:2010**

Hind 198,00

Identne EN 14434:2010

#### **Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemetodid**

This European Standard specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc. It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur. This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included. Requirements concerning electrical safety are not included. Annex A (normative) includes an assessment scale for the ability to write and erase. Annex B (informative) includes terminology for display writing boards. Annex C (informative) includes significant technical differences between this document and EN 14434:2004.

Keel en

Asendab EVS-EN 14434:2005; EVS-EN 14434:2005/AC:2008

**EVS-EN 15269-1:2010**

Hind 114,00

Identne EN 15269-1:2010

**Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 1: General requirements**

This European Standard sets out the general principles for the extended application of test results obtained on fire resisting and smoke control doorsets, i.e. the types of pedestrian and industrial doors and openable windows listed in the Introduction above when tested in accordance with EN 1634-1 and/or EN 1634-3. This document provides the general principles which are intended to be used in conjunction with the relevant part of EN 15269 depending upon the specific product type to be evaluated. The rules to evaluate the field of direct application of fire resisting or smoke control door, shutter and openable window assemblies are given in EN 1634-1 and EN 1634-3 respectively and are based on the results of a single test. These rules relate to the more common forms of product constructions for which experience of testing has provided the knowledge that such variations can be safely accepted. The extent of the permitted variations is generally conservative and is based on the minimum level of common agreement achieved.

Keel en

**EVS-EN 15843:2010**

Hind 178,00

Identne EN 15843:2010

**Water quality - Guidance standard on determining the degree of modification of river hydromorphology**

This European Standard provides guidance on characterizing the modifications of river hydromorphological features described in EN 14614. Both standards focus more on morphology than on hydrology and continuity, and on lateral and longitudinal continuity rather than on vertical continuity which is difficult to measure. This standard will enable consistent comparisons of hydromorphology between rivers within a country and between different countries in Europe, providing a method for broad-based characterization across a wide spectrum of hydromorphological modification of river channels, banks, riparian zones and floodplains. Its primary aim is to assess "departure from naturalness" as a result of human pressures on river hydromorphology, and it suggests suitable sources of information (see Table A.1) which may contribute to characterizing the modification of hydromorphological features. In doing so, it does not replace methods that have been developed for local assessment and reporting. Decisions on river management for individual reaches or catchments require expert local knowledge and vary according to river type.

Keel en

**EVS-EN 15845:2010**

Hind 145,00

Identne EN 15845:2010

**Paper and board - Determination of the cytotoxicity of aqueous extracts**

This European Standard specifies a test method for the laboratory assessment of the potential cytotoxic effect of paper and board materials. This test method is intended to assess wet contact with food simulant.

Keel en

**EVS-EN 15848:2010**

Hind 135,00

Identne EN 15848:2010

**Water conditioning equipment inside buildings - Adjustable chemical dosing systems - Requirements for performance, safety and testing**

This European Standard specifies definitions, principles of construction (but not dimensions) and design, requirements on performance and operation as well as methods for testing the performance of adjustable chemical dosing systems for conditioning water intended for human consumption inside buildings (see [1]) which are permanently connected to the mains supply. The concentration in the treated water of the active chemical(s) as well as of any other ingredient or minor component (including possible contaminants) should not exceed the parametric values laid down in the existing legislation in the Member States for the water intended for the human consumption, as implemented by the national authorities.

Keel en

**EVS-EN 45502-2-3:2010**

Hind 229,00

Identne EN 45502-2-3:2010

**Active implantable medical devices - Part 2-3: Particular requirements for cochlear and auditory brainstem implant systems**

This Part 2-3 of EN 45502 specifies requirements that are applicable to those ACTIVE IMPLANTABLE MEDICAL DEVICES that are intended to treat hearing impairment via electrical stimulation of the auditory pathways. Devices which treat hearing impairment via means other than electrical stimulation are not covered by this European Standard. The tests that are specified in EN 45502 are type tests and are to be carried out on samples of a device to show compliance. This Part of EN 45502 is also applicable to NON-IMPLANTABLE PARTS and accessories of the devices (see NOTE 1). The electrical characteristics of the IMPLANTABLE PART shall be determined by either the appropriate method detailed in this particular standard or by any other method demonstrated to have an accuracy equal to, or better than, the method specified. In the case of dispute, the method detailed in this particular standard shall apply.

Keel en



**EVS-EN 50364:2010**

Hind 105,00

Identne EN 50364:2010

**Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications**

This product standard applies to devices operating within the frequency range 0 Hz to 300 GHz, used in electronic article surveillance (EAS), radio frequency identification (RFID) and similar applications. This product standard may be used for demonstration of compliance to the requirements of the RTTE Directive 1999/5/EC, with regard to the limitation of human exposure to electromagnetic fields (EMFs). There are additional requirements covered by the Directive, which are not included in this product standard. This product standard may be used for demonstration of compliance to the requirements of the Low Voltage Directive 2006/95/EC, with regard to the limitation of human exposure to EMFs. There are additional requirements covered by the Directive, which are not included in this product standard. It should be noted that the supplier of a specific piece of equipment might not know the overall exposure environment in which the equipment is being used. This product standard can only assess the human exposure from the specific equipment under evaluation when being used according to the supplier's guidelines. Other standards can apply to products covered by this document. In particular this document is not designed to evaluate the electromagnetic compatibility with other equipment; nor does it reflect any product safety requirements other than those specifically related to human exposure to electromagnetic fields.

Keel en

Asendab EVS-EN 50364:2002

**EVS-EN 50495:2010**

Hind 219,00

Identne EN 50495:2010

**Seadmete plahvatusohtu arvestavaks ohutuks talitluseks nõutavad ohutusseadmed**

This European Standard specifies the requirements of electrical safety devices, which are used to avoid potential ignition sources of equipment in explosive atmospheres. This also includes safety devices, which are operated outside areas with explosive atmospheres, to guarantee the safe function of equipment with respect to explosion hazards.

Keel en

**EVS-EN 60335-2-7:2010**

Hind 219,00

Identne EN 60335-2-7:2010

ja identne IEC 60335-2-7:2008

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-7: Erinõuded pesumasinatele**

This European Standard deals with the safety of electric washing machines for household and similar use, that are intended for washing clothes and textiles, their rated voltage being not more than 250 V for single-phase washing machines and 480 V for other washing machines, in this standard generally referred to as appliances. This standard also deals with the safety of electric washing machines for household and similar use employing an electrolyte instead of detergent. Additional requirements for these appliances are given in Annex CC. Appliances not designed for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, on farms and for communal use in blocks of flats are within the scope of this standard.

Keel en

Asendab EVS-EN 60335-2-7:2003; EVS-EN 60335-2-7:2003/A1:2004; EVS-EN 60335-2-7:2003/A2:2006

**EVS-EN 60335-2-2:2010**

Hind 198,00

Identne EN 60335-2-2:2010

ja identne IEC 60335-2-2:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veeimemis-puhastusseadmetele**

This International Standard deals with the safety of electric vacuum cleaners and water-suction cleaning appliances for household and similar purposes, including vacuum cleaners for animal grooming, their rated voltage being not more than 250 V. It also applies to centrally-sited vacuum cleaners and automatic battery-powered cleaners. This standard also applies to motorized cleaning heads and current-carrying hoses associated with a particular vacuum cleaner. Appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops and other premises for normal housekeeping purposes, are within the scope of this standard.

Keel en

Asendab EVS-EN 60335-2-2:2003; EVS-EN 60335-2-2:2003/A2:2007; EVS-EN 60335-2-2:2003/A1:2005

**EVS-EN 60335-2-4:2010**

Hind 178,00

Identne EN 60335-2-4:2010

ja identne IEC 60335-2-4:2008

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

This European Standard deals with the safety of - stand alone electric spin extractors - spin extractors incorporated in washing machines that have separate containers for washing and spin extraction for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as spin extractors intended to be used by laymen in shops, on farms, and for communal use in blocks of flats are within the scope of this standard.

Keel en

Asendab EVS-EN 60335-2-4:2003; EVS-EN 60335-2-4:2003/A1:2004; EVS-EN 60335-2-4:2003/A2:2006

**EVS-EN 60335-2-13:2010**

Hind 155,00

Identne EN 60335-2-13:2010

ja identne IEC 60335-2-13:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-13: Erinõuded fritüüridele, praepannidele ja muudele taoliste seadmetele**

This International Standard deals with the safety of electric deep fat fryers having a recommended maximum quantity of oil not exceeding 5 l, frying pans, woks and other appliances in which oil is used for cooking, and intended for household use and similar use, their rated voltage being not more than 250 V.

Keel en

Asendab EVS-EN 60335-2-13:2003; EVS-EN 60335-2-13:2003/A1:2004; EVS-EN 60335-2-13:2003/A2:2008

**EVS-EN 60335-2-30:2010/AC:2010**

Hind 0,00

Identne EN 60335-2-30:2009/Corr:2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Keel en

**EVS-EN 60335-2-41:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-41:2003/A2:2010

ja identne IEC 60335-2-41:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-41: Erinõuded pumpadele**

Deals with the safety of electric pumps for liquids having a temperature not exceeding 90 deg C, with a rated voltage of not more than 250 V for single-phase and 480 V for other appliances. Examples of appliances within the scope of this standard are aquarium pumps; pumps for garden ponds; sludge pumps; submersible pumps; table fountain pumps; vertical wet pit pumps. Pumps incorporated in appliances are not covered by this standard unless a specific reference is made

Keel en

**EVS-EN 60335-2-60:2003/A12:2010**

Hind 59,00

Identne EN 60335-2-60:2003/A12:2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele**

This standard deals with the safety of electric whirlpool baths for indoor use, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to appliances for circulating air or water in conventional baths.

Keel en

**EVS-EN 60335-2-60:2003/A11:2010**

Hind 59,00

Identne EN 60335-2-60:2003/A11:2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele**

This standard deals with the safety of electric whirlpool baths for indoor use, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to appliances for circulating air or water in conventional baths.

Keel en

**EVS-EN 60335-2-102:2006/A1:2010**

Hind 105,00

Identne EN 60335-2-102:2006/A1:2010

ja identne IEC 60335-2-102:2004/A1:2008

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkkütuse põletamise seadmetele**

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects are covered when the appliance also complies with the relevant standard for the fuel-burning appliance. If the appliance incorporates electric heating sources, it also has to comply with the relevant part 2 of IEC 60335.

Keel en

**EVS-EN 60335-2-105:2005/A11:2010**

Hind 59,00

Identne EN 60335-2-105:2005/A11:2010

**Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele**

This standard applies to two-pole non-reversible cold condition appliance couplers for a.c. only, with a degree of protection against ingress of water higher than IPXO, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A for 50 Hz or 60 Hz supply. They are intended for the connection of the supply cord to portable electrical appliances of class II for household, commercial and light industrial use.

Keel en

### **EVS-EN 60601-1-3:2008/AC:2010**

Hind 0,00

Identne EN 60601-1-3:2008/Corr:2010

**Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalarstandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele**

Keel en

### **EVS-EN ISO 11161:2007/A1:2010**

Hind 68,00

Identne EN ISO 11161:2007/A1:2010

ja identne ISO 11161:2007/Amd 1:2010

**Masinate ohutus. Integreeritud tootmissüsteemid. Põhinõuded (ISO 11161:2007)**

This International Standard specifies the safety requirements for integrated manufacturing systems (IMS) that incorporate two or more interconnected machines for specific applications, such as component manufacturing or assembly. It gives requirements and recommendations for the safe design, safeguarding and information for the use of such IMSs (see Figure 1 for the basic configuration of an IMS).

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **CLC/TS 50418:2004**

Identne CLC/TS 50418:2004

**Safety of machinery - Electro-sensitive protective equipment - Passive infra-red protective devices (PIPDs)**

This clause of EN 61496-1 is replaced by the following: This Technical Specification is to be read in conjunction with EN 61496-1:1997. It specifies requirements for the design, construction and testing of electro-sensitive protective equipment (ESPE) for the safeguarding of machinery, employing passive infra-red protective devices (PIPDs) for the sensing function. Special attention is directed to features that ensure an appropriate safety-related performance is achieved. An ESPE may include optional safety-related functions, the requirements for which are given in Annex A of EN 61496-1.

Keel en

### **EVS-EN 838:1999**

Identne EN 838:1995

**Töökeskkonna õhu kvaliteet. Difusioon-proovivõtmisvahendid gaaside ja aurude määramiseks. Nõuded ja katsemeetodid**

Käesolev Euroopa standard määrab kindlaks töökarakteristikud ja testimismeetodites ettenähtud laboratoorsed tingimused difusioon-proovivõtmisvahenditele, mida kasutatakse aurude või gaaside määramiseks töökeskkonnas. Lisades C ja D kirjeldatakse täiendavaid teste, mis on ette nähtud selle väljaselgitamiseks, kas erinevad antud kasutusala esineda võivad keskkonnategurid avaldavad difusioonproovidele kahjulikku mõju.

Keel en

Asendatud EVS-EN 838:2010

### **EVS-EN 1366-5:2003**

Identne EN 1366-5:2003

**Fire resistance tests for service installations - Part 5: Service ducts and shafts**

This Part of EN1366 specifies a method for determining the fire resistance of horizontal service ducts and vertical service shafts, which pass through walls or floors and enclose pipes and cables. The test examines the behaviour of ducts and shafts exposed to fire from outside and from inside the duct. This standard is read in conjunction with EN 1363-1

Keel en

Asendatud EVS-EN 1366-5:2010

### **EVS-EN 13238:2002**

Identne EN 13238:2001

**Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates**

This standard specifies the conditioning procedures for samples of building products, and the rules for the selection of substrates for floor coverings and wall/ceiling surface products, when carrying out reaction to fire tests.

Keel en

Asendatud EVS-EN 13238:2010

### **EVS-EN 14434:2005**

Identne EN 14434:2004

**Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

This document specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities etc. It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur.

Keel en

Asendatud EVS-EN 14434:2010

### **EVS-EN 14434:2005/AC:2008**

Identne EN 14434:2004/AC:2008

**Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

Keel en

Asendatud EVS-EN 14434:2010

### **EVS-EN 50364:2002**

Identne EN 50364:2001

**Elektroonilistes jälgimisseadmetes, raadiosageduslikes tuvastusseadmetes jms. rakendustes kasutatavate, sagedusvahemikus 0 Hz kuni 10 GHz talitlevatest seadmetest tingitud elektromagnetväljade inimesele mõjuva toime piiramine**

This product standard applies to devices operating within the frequency range 0 Hz to 10 GHz, used in electronic article surveillance (EAS), radio frequency identification (RFID) and similar applications. This product standard may be used for demonstration of compliance to the requirements of Council Directive 1999/5/EC, with regard to the limitation of human exposure to electromagnetic fields (EMFs). There are additional requirements covered by the Directive, which are not included in this product standard.

Keel en

Asendatud EVS-EN 50364:2010

**EVS-EN 60335-2-2:2003**

Identne EN 60335-2-2:2003

ja identne IEC 60335-2-2:2002

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veeimemis-puhastusseadmetele**

Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances. It also applies to motorized cleaning heads and current-carrying hoses for vacuum cleaners. These are for household use, including vacuum cleaners for animal grooming. The rated voltage is less than 250 V. This standard does not cover industrial appliances, nor special conditions such as explosive atmospheres

Keel en

Asendab EVS-EN 60335-2-2:2001

Asendatud EVS-EN 60335-2-2:2010

**EVS-EN 60335-2-4:2003**

Identne EN 60335-2-4:2002+AC:2006

ja identne IEC 60335-2-4:2002

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

Deals with the safety of electric spin extractors. It covers appliances with a capacity of less than 10 kg of dry cloth and a drum peripheral speed less than 50 m/s. The rated voltage is less than 250 V for single-phase appliances and 480 V for other appliances. It covers household use, and use by laymen in shops, in light industry and on farms

Keel en

Asendab EVS-EN 60335-2-4:2001

Asendatud EVS-EN 60335-2-4:2010

**EVS-EN 60335-2-7:2003**

Identne EN 60335-2-7:2003

ja identne IEC 60335-2-7:2002

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, their rated - voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

Asendatud EVS-EN 60335-2-7:2010

**EVS-EN 60335-2-2:2003/A2:2007**

Identne EN 60335-2-2:2003/A2:2006

ja identne IEC 60335-2-2:2002/A2:2006

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veeimemis-puhastusseadmetele**

Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances. It also applies to motorized cleaning heads and current-carrying hoses for vacuum cleaners. These are for household use, including vacuum cleaners for animal grooming. The rated voltage is less than 250 V. This standard does not cover industrial appliances, nor special conditions such as explosive atmospheres

Keel en

Asendatud EVS-EN 60335-2-2:2010

**EVS-EN 60335-2-2:2003/A1:2005**

Identne EN 60335-2-2:2003/A1:2004

ja identne IEC 60335-2-2:2002/A1:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veeimemis-puhastusseadmetele**

Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances. It also applies to motorized cleaning heads and current-carrying hoses for vacuum cleaners. These are for household use, including vacuum cleaners for animal grooming. The rated voltage is less than 250 V. This standard does not cover industrial appliances, nor special conditions such as explosive atmospheres

Keel en

Asendatud EVS-EN 60335-2-2:2010

**EVS-EN 60335-2-4:2003/A1:2004**

Identne EN 60335-2-4:2002/A1:2004

ja identne IEC 60335-2-4:2002/A1:2004+AC:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

Deals with the safety of electric spin extractors. It covers appliances with a capacity of less than 10 kg of dry cloth and a drum peripheral speed less than 50 m/s. The rated voltage is less than 250 V for single-phase appliances and 480 V for other appliances. It covers household use, and use by laymen in shops, in light industry and on farms

Keel en

Asendatud EVS-EN 60335-2-4:2010

**EVS-EN 60335-2-4:2003/A2:2006**

Identne EN 60335-2-4:2002/A2:2006

ja identne IEC 60335-2-4:2002/A2:2006

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

Deals with the safety of electric spin extractors. It covers appliances with a capacity of less than 10 kg of dry cloth and a drum peripheral speed less than 50 m/s. The rated voltage is less than 250 V for single-phase appliances and 480 V for other appliances. It covers household use, and use by laymen in shops, in light industry and on farms

Keel en

Asendatud EVS-EN 60335-2-4:2010

**EVS-EN 60335-2-7:2003/A2:2006**

Identne EN 60335-2-7:2003/A2:2006

ja identne IEC 60335-2-7:2002/A2:2006

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, their rated - voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

Asendatud EVS-EN 60335-2-7:2010

**EVS-EN 60335-2-13:2003/A2:2008**

Identne EN 60335-2-13:2003/A2:2008

ja identne IEC 60335-2-13:2002/A2:2008

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-13: Erinõuded fritüüridele, praepannidele ja muudele taoliste seadmetele**

Deals with the safety of electric deep fat fryers, frying pans and other appliances in which oil is used for cooking, and intended for household use only, their rated voltage being not more than 250 V. This standard does not apply to deep fat fryers having a recommended maximum quantity of oil exceeding 4 l (refer to IEC 60335-2-37) or commercial multi-purpose cooking pans (refer to IEC 60335-2-39).

Keel en

Asendatud EVS-EN 60335-2-13:2010

**EVS-EN 60335-2-7:2003/A1:2004**

Identne EN 60335-2-7:2003/A1:2004

ja identne IEC 60335-2-7:2002/A1:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, their rated voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

Asendatud EVS-EN 60335-2-7:2010

**EVS-EN 60695-2-4/0:2001**

Identne EN 60695-2-4/0:1993

ja identne IEC 695-2-4/0:1991

**Tuleohukatsetused. Osa 2: Katsetusmeetodid. Jagu 4, leht 0: Katsetusmeetodid difusioonitüüpi ja eelnevalt segatud tüüpi leegiga**

This section of IEC 695-2 gives guidance on the design of flame test methods and general requirements for the test apparatus to produce a series of test flames and the correlated confirmatory tests. Additional detailed information, needed for the production of specific flames, is published in a series of sheets: for example, IEC 695-2-1/1.

Keel en

**EVS-EN 60707:2002**

Identne EN 60707:1999

ja identne IEC 60707:1999

**Flammability of solid non-metallic materials when exposed to flame sources - List of test methods**

Lists test methods applicable to solid non-metallic materials having an apparent density of not less than 250 kg/m<sup>3</sup>, determined in accordance with ISO 845, and intended to serve as a preliminary indication of the behaviour of these materials when exposed to a flame ignition source. The results make it possible to check the constancy of the characteristics of a material and provide an indication of the progress in the development of materials and a relative comparison and classification of various materials.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****EN 60335-2-9:2003/FprAD**

Identne EN 60335-2-9:2003/FprAD:2010

Tähtaeg 30.05.2010

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

Deals with the safety of electric portable appliances that have a cooking function, such as baking, roasting and grilling. Examples are barbecues for indoor use, contact grills, hotplates, food dehydrators, raclette grills, toasters and waffle irons.

Keel en

**EN 60335-2-25:2003/FprAB**

Identne EN 60335-2-25:2002/FprAB:2010

Tähtaeg 30.05.2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-25: Erinõuded mikrolaineahjudele**

Deals with the safety of microwave ovens for household use. The rated voltage is less than 250 V. It also deals with combination microwave ovens. For commercial microwave ovens, see IEC 60335-2-90

Keel en

**FprEN 60335-2-100**

Identne FprEN 60335-2-100:2010

ja identne IEC 60335-2-100:2002

Tähtaeg 30.05.2010

**Household and similar electrical appliances - Safety - Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower**

This European Standard specifies the safety requirements and their verification for the design and construction of hand-held mains-operated electrical garden vacuums, and garden blower/vacuums with or without shredding means and garden blowers for use at and around the home or for similar purposes, their rated voltage being not more than 250 V single phase.

Keel en

**FprEN 60695-11-3**

Identne FprEN 60695-11-3:2010

ja identne IEC 60695-11-3:201X

Tähtaeg 30.05.2010

**Fire hazard testing - Part 11-3: Test flames - 500 W flames: Apparatus and confirmational test methods**

This part of IEC 60695-11 provides detailed requirements for the production of a 500 W nominal, pre-mixed type test flame. The approximate overall height is 125 mm. Two test flames are described: Method A may only be produced using methane whereas method C may be produced using either methane or propane. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel en

**FprEN 60695-11-4**

Identne FprEN 60695-11-4:2010

ja identne IEC 60695-11-4:201X

Tähtaeg 30.05.2010

**Fire hazard testing - Part 11-4: Test flames - 50 W flames - Apparatus and confirmational test methods**

This part of IEC 60695-11 provides detailed requirements for the production of a 50 W nominal, pre-mixed type test flame. The approximate overall height is 20 mm. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications. Normative references

Keel en

**FprEN ISO 6183**

Identne FprEN ISO 6183:2010

ja identne ISO 6183:2009

Tähtaeg 30.05.2010

**Fire protection equipment - Carbon dioxide extinguishing systems for use on premises - Design and installation**

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

Keel en

Asendab EVS-EN 25923:1999

**FprEN ISO 13943**

Identne FprEN ISO 13943:2010

ja identne ISO 13943:2008

Tähtaeg 30.05.2010

**Fire safety - Vocabulary**

This International Standard defines terminology relating to fire safety as used in International Standards and other documents of the International Standardization Organization and the International Electrotechnical Committee.

Keel en

Asendab EVS-EN ISO 13943:2000

**FprEN ISO 20685**

Identne FprEN ISO 20685:2010

ja identne ISO/FDIS 20685:2010

Tähtaeg 30.05.2010

**3-D scanning methodologies for internationally compatible anthropometric databases**

This International Standard addresses protocols for the use of 3-D surface-scanning systems in the acquisition of human body shape data and measurements defined in ISO 7250-1 that can be extracted from 3-D scans. It does not apply to instruments that measure the location and/or motion of individual landmarks. While mainly concerned with whole-body scanners, it is also applicable to body-segment scanners (head scanners, hand scanners, foot scanners). The intended audience is those who use 3-D scanners to create 1-D anthropometric databases and the users of 1-D anthropometric data from 3-D scanners. Although not necessarily aimed at the designers and manufacturers of those systems, scanner designers and manufacturers will find it useful in meeting the needs of clients who build and use 1-D anthropometric databases.

Keel en

Asendab EVS-EN ISO 20685:2005

**prEN 1366-2**

Identne prEN 1366-2:2010

Tähtaeg 30.05.2010

**Tehnoseadmete tulepüsivuse katsed. Osa 2: Tuletõkke klapid**

This Part of EN 1366 specifies a method for determining the fire resistance of fire dampers installed in fire separating elements designed to withstand heat and the passage of smoke and gases at high temperature. The Standard is used in conjunction with EN 1363-1. This standard is not suitable for testing fire dampers in suspended ceilings without modification.

Keel en

Asendab EVS-EN 1366-2:2001

**prEN 1598**

Identne prEN 1598:2010

Tähtaeg 30.05.2010

**Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes**

This standard specifies safety requirements for transparent welding curtains, strips and screens to be used for shielding of work places from their surroundings where arc welding processes are used. They are designed to protect people who are not involved in the welding process from hazardous radiant emissions from welding arcs and spatter. Welding curtains, strips and screens specified in this standard are not intended to replace welding filters. For intentional viewing of welding arcs from a distance of less than 2 m welders protection filters should be used which are specified in EN 169. The present standard is not applicable for welding processes where laser radiation is used. Darker curtains or screens should be used for mutual separation of adjacent work places for reasons of comfort.

Keel en

Asendab EVS-EN 1598:2001; EVS-EN 1598:2001/A1:2002

**prEN 14143**

Identne prEN 14143:2010

Tähtaeg 30.05.2010

**Hingamisvahendid. Suletud tsükliga sukeldumisaparaat**

This European Standard specifies minimum requirements for self-contained re-breathing diving apparatus to ensure a minimum level of safe operation of the apparatus. It applies to the following: - a maximum depth of 6 m for apparatus using pure oxygen; - a maximum depth of 40 m for apparatus using oxygen in nitrogen gas mixtures; - a maximum depth of 100 m for apparatus using oxygen and helium or oxygen, nitrogen and helium gas mixtures; - water temperatures from 4 °C to 34 °C. The requirements of this standard are intended to take account of the interaction between the wearer, the apparatus, and where possible the environment in which the apparatus is likely to be used. See annex ZA.

Keel en

Asendab EVS-EN 14143:2003

**prEN 14211**

Identne prEN 14211:2010

Tähtaeg 30.05.2010

**Välisõhu kvaliteet. Kemoluminestsentsil põhinev standardmeetod lämmastikdioksiidi ja lämmastikmonooksiidi kontsentratsiooni mõõtmiseks**

This European Standard specifies a continuous measurement method for the determination of the concentrations of nitrogen dioxide and nitrogen monoxide present in ambient air based on the chemiluminescence measuring principle. This standard describes the performance characteristics and sets the relevant minimum criteria required to select an appropriate chemiluminescence analyser by means of type approval tests. It also includes the evaluation of the suitability of an analyser for use in a specific fixed site so as to meet the EU ambient air quality Directives data quality requirements and requirements during sampling, calibration and quality assurance.

Keel en

Asendab EVS-EN 14211:2005

**prEN 14212**

Identne prEN 14212:2010

Tähtaeg 30.05.2010

**Välisõhu kvaliteet. Ultravioletfluorestsentsil põhinev standardmeetod vääveldioksiidi kontsentratsiooni mõõtmiseks**

This European Standard specifies a continuous measurement method for the determination of the concentration of sulphur dioxide present in ambient air based on the ultraviolet fluorescence measuring principle. This standard describes the performance characteristics and sets the relevant minimum criteria required to select an appropriate ultraviolet fluorescence analyser by means of type approval tests. It also includes the evaluation of the suitability of an analyser for use in a specific fixed site so as to meet the Directives data quality requirements and requirements during sampling, calibration and quality assurance for use.

Keel en

Asendab EVS-EN 14212:2005

**prEN 14625**

Identne prEN 14625:2010

Tähtaeg 30.05.2010

**Välisõhu kvaliteet. Ultravioletfotomeetrial põhinev standardmeetod osooni kontsentratsiooni mõõtmiseks**

This European Standard specifies a continuous measurement method for the determination of the concentrations of ozone present in ambient air based on the ultraviolet photometric measuring principle. This standard describes the performance characteristics and sets the relevant minimum criteria required to select an appropriate ultraviolet photometric analyser by means of type approval tests. It also includes the evaluation of the suitability of an analyser for use in a specific fixed site so as to meet the EU ambient Air Quality Directives data quality requirements and requirements during sampling, calibration and quality assurance.

Keel en

Asendab EVS-EN 14625:2005

**prEN 14626**

Identne prEN 14626:2010

Tähtaeg 30.05.2010

**Välisõhu kvaliteet. Dispersioonita infrapunaspetskoopiaal põhinev standardmeetod süsinikmonooksiidi kontsentratsiooni mõõtmiseks**

This European Standard specifies a continuous measurement method for the determination of the concentration of carbon monoxide present in ambient air based on the non-dispersive infrared spectroscopic measuring principle. This standard describes the performance characteristics and sets the relevant minimum criteria required to select an appropriate non-dispersive infrared spectroscopic analyser by means of type approval tests. It also includes the evaluation of the suitability of an analyser for use in a specific fixed site so as to meet the Directives data quality requirements and requirements during sampling, calibration and quality assurance for use.

Keel en

Asendab EVS-EN 14626:2005

**prEN 16072**

Identne prEN 16072:2010

Tähtaeg 30.05.2010

**Intelligent transport systems - ESafety - Pan European eCall-Operating requirements**

The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same Quality of Services objectives by using a mobile telecommunication network (e.g. GSM) which supports the European pre-assigned emergency destination address (TS12 [Ref.11])(See [Ref.5, Ref.6, Ref.7, Ref.8, Ref.9]), and to provide a means of manually triggering the notification of an incident. This European Standard defines the general operating requirements and intrinsic procedures for in-vehicle emergency call (eCall) services in order to transfer an emergency message from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency, via an 'eCall' communication session and to establish a voice channel between the in-vehicle equipment and the PSAP.

Keel en

## **prEN ISO 28803**

Identne prEN ISO 28803:2010  
ja identne ISO/DIS 28803:2010  
Tähtaeg 30.05.2010

### **Ergonomics of the physical environment - Application of international standards to people with special requirements**

This international standard describes how existing international standards, concerned with the ergonomics of the physical environment, can be applied for people with special requirements. That is for those people who would be considered to be beyond the scope of existing standards. It has been produced according to the principles of accessible design provided in ISO/IEC Guide 71 and the data provided in ISO TR 22411.

Keel en

## **17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 17201-3:2010**

Hind 256,00

Identne EN ISO 17201-3:2010  
ja identne ISO 17201-3:2010

#### **Acoustics - Noise from shooting ranges - Part 3: Guidelines for sound propagation calculations**

This part of ISO 17201 specifies methods of predicting sound exposure levels of shooting sound for a single shot at a given reception point. Guidelines are given to calculate other acoustic indices from the sound exposure level. The prediction is based on the angular source energy distribution of the muzzle blast as defined in ISO 17201-1 or calculated using values from ISO 17201-2. This part of ISO 17201 applies to weapons with calibres of less than 20 mm or explosive charges of less than 50 g TNT equivalent, at distances where peak pressures, including the contribution from projectile sound, are less than 1 kPa (154 dB).

Keel en

#### **EVS-EN ISO 17201-5:2010**

Hind 188,00

Identne EN ISO 17201-5:2010  
ja identne ISO 17201-5:2010

#### **Acoustics - Noise from shooting ranges - Part 5: Noise management**

This part of ISO 17201 gives guidelines for noise management of shooting activity at shooting ranges. The control of the noise received outside shooting ranges at specified reception points based either on measured or calculated sound exposure levels is specified. This part of ISO 17201 can also be used in the planning of new or reconstruction of existing ranges. It is intended to comply with all relevant local rules and regulations which imply a conversion of sound exposure level to other indicators as given in ISO 17201-3. This part of ISO 17201 applies to weapons with calibres of less than 20 mm or explosive charges of less than 50 g TNT equivalent and pressures of less than 1 kPa at the reception point.

Keel en

## **EVS-EN ISO 25178-6:2010**

Hind 124,00

Identne EN ISO 25178-6:2010  
ja identne ISO 25178-6:2010

### **Geometrical product specifications (GPS) - Surface texture: Areal - Part 6: Classification of methods for measuring surface texture**

This part of ISO 25178 describes a classification system for methods used primarily for the measurement of surface texture. It defines three classes of methods, illustrates the relationships between the classes, and briefly describes specific methods.

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 50147-2:2002**

Identne EN 50147-2:1996

#### **Anechoic chambers - Part 2: Alternative test site suitability with respect to site attenuation**

This standard specifies requirements for alternative test sites regarding site attenuation. As long as the document CISPR/A(CO)63 is not published as a part of CISPR 16 it shall be used for test site qualification.

Keel en

#### **EVS-HD 450.11 S1:2003**

Identne HD 450.11 S1:1985

ja identne IEC 60118-11:1983

#### **Hearing aids; Part 11: Symbols and other markings on hearing aids and related equipment**

Applies to symbols and other markings on hearing aids and related equipment for the purpose of identifying control setting and giving information regarding technical functions and characteristics. Provides symbols and markings for the benefit of users and those involved in the fitting of hearing aids and related equipment.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN ISO 10052:2005/FprA1**

Identne EN ISO 10052:2004/FprA1:2010

ja identne ISO 10052:2004/FDAM 1:2010

Tähtaeg 30.05.2010

#### **Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method**

This European Standard specifies field survey methods for measuring: a) airborne sound insulation between rooms; b) impact sound insulation of floors; c) airborne sound insulation of façades; and d) sound pressure levels in rooms caused by service equipment. The methods described in this European Standard are applicable for measurements in rooms of dwellings or in rooms of comparable size with a maximum of 150 m<sup>3</sup>.

Keel en



**FprEN 60645-1**

Identne FprEN 60645-1:2010

ja identne IEC 60645-1:2001

Tähtaeg 30.05.2010

**Electroacoustics - Part 1: Equipment for pure-tone audiometry**

This part of IEC 60645 specifies general requirements for audiometers and particular requirements for pure-tone audiometers designed for use in determining hearing threshold levels, in comparison with standard reference threshold levels by means of psychoacoustic test methods. The object of this standard is to ensure:

a) that tests of hearing in the frequency range 125 Hz to 16 000 Hz on a given human ear, performed with different audiometers which comply with this standard shall give substantially the same results; b) that the results obtained represent a valid comparison between the hearing of the ear tested and the reference threshold of hearing; c) that audiometers are classified according to the range of test signals they generate, according to the mode of operation or according to the complexity of the range of auditory functions they test.

Keel en

Asendab EVS-EN 60645-1:2002

**FprEN 61788-4**

Identne FprEN 61788-4:2010

ja identne IEC 61788-4:200X

Tähtaeg 30.05.2010

**Superconductivity - Part 4: Residual resistance ratio measurement - Residual resistance ratio of Nb-Ti composite superconductors**

This part of IEC 61788 covers a test method for the determination of the residual resistance ratio (RRR) of a composite superconductor comprised of Nb-Ti filaments and Cu, Cu-Ni or Cu/Cu-Ni matrix. This method is intended for use with superconductors that have a monolithic structure with rectangular or round cross-section, RRR less than 350, and cross-sectional area less than 3 mm<sup>2</sup>. All measurements are done without an applied magnetic field. The method described in the body of this standard is the "reference" method and optional acquisition methods are outlined in Clause A.3.

Keel en

Asendab EVS-EN 61788-4:2007

**FprEN 61788-11**

Identne FprEN 61788-11:2010

ja identne IEC 61788-11:200X

Tähtaeg 30.05.2010

**Superconductivity - Part 11: Residual resistance ratio measurement - Residual resistance ratio of Nb<sub>3</sub>Sn composite superconductors**

This part of IEC 61788 covers a test method for the determination of the residual resistance ratio (RRR) of Nb<sub>3</sub>Sn composite conductors. This method is intended for use with superconductor specimens that have a monolithic structure with rectangular or round cross section, RRR less than 350 and cross-sectional area less than 3 mm<sup>2</sup>, and have received a reaction heat-treatment. Ideally, it is intended that the specimens are as straight as possible; however, this is not always the case, thus care must be taken to measure the specimen in its as received condition. All measurements are done without an applied magnetic field. The method described in the body of this standard is the "reference" method and optional acquisition methods are outlined in Clause A.3.

Keel en

Asendab EVS-EN 61788-11:2003

**FprEN ISO 11201**

Identne FprEN ISO 11201:2010

ja identne ISO/FDIS 11201:2010

Tähtaeg 30.05.2010

**Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections**

This International Standard specifies a method for determining the emission sound pressure levels of machinery or equipment, at a work station and at other specified positions nearby, in an essentially free field over a reflecting plane. A work station is occupied by an operator and may be located in open space, in the room where the source under test operates, in a cab fixed to the source under test, or in an enclosure remote from the source under test. One or more specified positions may be located in the vicinity of a work station, or in the vicinity of an attended or unattended machine. Such positions are sometimes referred to as bystander positions.

Keel en

Asendab EVS-EN ISO 11201:2009

### **FprEN ISO 11202**

Identne FprEN ISO 11202:2010  
ja identne ISO/FDIS 11202:2010  
Tähtaeg 30.05.2010

#### **Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections**

This International Standard specifies a method for determining the emission sound pressure levels of machinery or equipment, at a work station and at other specified positions nearby, in situ. A work station is occupied by an operator and may be located in open space, in the room where the source under test operates, in a cab fixed to the source under test, or in an enclosure remote from the source under test. One or more specified positions may be located in the vicinity of a work station, or in the vicinity of an attended or unattended machine. Such positions are sometimes referred to as bystander positions. Emission sound pressure levels are determined as A-weighted levels. Additionally, levels in frequency bands and C-weighted peak emission sound pressure levels can be determined in accordance with this International Standard, if required.

Keel en

Asendab EVS-EN ISO 11202:2009

### **FprEN ISO 11204**

Identne FprEN ISO 11204:2010  
ja identne ISO/FDIS 11204:2010  
Tähtaeg 30.05.2010

#### **Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections**

This International Standard specifies a method for determining the emission sound pressure levels of machinery or equipment, at a work station and at other specified positions nearby, in any environment which meets certain qualification requirements. A work station is occupied by an operator and may be located in open space, in the room where the source under test operates, in a cab fixed to the source under test, or in an enclosure remote from the source. One or more specified positions may be located in the vicinity of an attended or unattended machine. Such positions are sometimes referred to as bystander positions. Emission sound pressure levels are determined as A-weighted levels. Additionally, levels in frequency bands and C-weighted peak emission sound pressure levels can be determined in accordance with this International Standard, if required.

Keel en

Asendab EVS-EN ISO 11204:2009

### **prEN ISO 3095**

Identne prEN ISO 3095:2010  
ja identne ISO/DIS 3095:2010  
Tähtaeg 30.05.2010

#### **Raudteealased rakendused. Akustika. Raudteeveeremi tekitatud müra mõõtmise**

This European Standard specifies the measurement method and conditions to obtain reproducible and comparable exterior noise emission levels and spectra for all kinds of railbound vehicles operating on rails or other types of fixed track, hereinafter conventionally called "unit". This standard is applicable to type testing of units. It does not include all the instructions to characterize the noise emission of the other infrastructure related sources (bridges, crossings, switching, impact noise, curving noise, etc),

Keel en

Asendab EVS-EN ISO 3095:2007

## **19 KATSETAMINE**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 1330-4:2010**

Hind 336,00  
Identne EN 1330-4:2010

#### **Non destructive testing - Terminology - Part 4: Terms used in ultrasonic testing**

This European Standard defines terms used in ultrasonic testing.

Keel en

Asendab EVS-EN 1330-4:2000

#### **EVS-EN 12668-1:2010**

Hind 229,00  
Identne EN 12668-1:2010

#### **Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 1: Instruments**

This European Standard specifies methods and acceptance criteria for assessing the electrical performance of analogue and digital ultrasonic instruments for pulse operation using A-scan display, employed for manual ultrasonic non-destructive examination with single or dual-element probes operating within the centre frequency range 0,5 MHz to 15 MHz. Ultrasonic instruments for continuous waves are not included in this standard. This standard may partly be applicable to ultrasonic instruments in automated systems but then other tests can be needed to ensure satisfactory performance.

Keel en

Asendab EVS-EN 12668-1:2000; EVS-EN 12668-1:2000/A1:2004

**EVS-EN 12668-2:2010**

Hind 256,00

Identne EN 12668-2:2010

**Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 2: Probes**

This European Standard covers probes used for ultrasonic non-destructive examination in the following categories with centre frequencies in the range 0,5 MHz to 15 MHz, focusing and without focusing means: a) single or dual transducer contact probes generating compressional or shear waves; b) single transducer immersion probes. Where material-dependent ultrasonic values are specified in this document they are based on steels having a sound velocity of  $(5\,920 \pm 50)$  m/s for longitudinal waves, and  $(3\,255 \pm 30)$  m/s for transverse waves. Periodic tests for probes are not included in this document. Routine tests for the verification of probes using on-site methods are given in EN 12668-3. If parameters in addition to those specified in EN 12668-3 are to be verified during the probe's life time, as agreed upon by the contracting parties, the methods of verification for these additional parameters should be selected from those given in this document.

Keel en

Asendab EVS-EN 12668-2:2002; EVS-EN 12668-2:2002/A1:2004

**EVS-EN ISO 15548-1:2008/AC:2010**

Hind 0,00

Identne EN ISO 15548-1:2008/AC:2010

ja identne ISO 15548-1:2008/Cor 1:2010

**Non-destructive testing - Equipment for eddy current examination - Part 1: Instrument characteristics and verification**

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 1330-4:2000**

Identne EN 1330-4:2000

**Non destructive testing - Terminology - Part 4: Terms used in ultrasonic testing**

The standard defines terms used in ultrasonic testing.

Keel en

Asendatud EVS-EN 1330-4:2010

**EVS-EN 12668-2:2002**

Identne EN 12668-2:2001

**Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 2: Probes**

This part of the standard covers probes used for ultrasonic non-destructive examination in the following categories with centre frequencies in the range 0,5 MHz to 15 MHz, focusing and without focusing means: 1) single or dual transducer contact probes generating compressional or shear waves; 2) immersion probes.

Keel en

Asendatud EVS-EN 12668-2:2010

**EVS-EN 12668-1:2000**

Identne EN 12668-1:2000

**Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 1: Instruments**

This standard specifies methods and acceptance criteria for assessing the electrical performance of analog and digital ultrasonic instruments for pulse operation using A-scan display, employed for manual ultrasonic non-destructive examination with single or twin transducer probes operating within the centre frequency range 0,5 MHz to 15 MHz.

Keel en

Asendatud EVS-EN 12668-1:2010

**EVS-EN 12668-1:2000/A1:2004**

Identne EN 12668-1:2000/A1:2004

**Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 1: Instruments**

This standard specifies methods and acceptance criteria for assessing the electrical performance of analog and digital ultrasonic instruments for pulse operation using A-scan display, employed for manual ultrasonic non-destructive examination with single or twin transducer probes operating within the centre frequency range 0,5 MHz to 15 MHz.

Keel en

Asendatud EVS-EN 12668-1:2010

**EVS-EN 12668-2:2002/A1:2004**

Identne EN 12668-2:2001/A1:2004

**Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 2: Probes**

This part of the standard covers probes used for ultrasonic non-destructive examination in the following categories with centre frequencies in the range 0,5 MHz to 15 MHz, focusing and without focusing means: 1) single or dual transducer contact probes generating compressional or shear waves; 2) immersion probes.

Keel en

Asendatud EVS-EN 12668-2:2010

**EVS-EN 61107:2002**

Identne EN 61107:1996

ja identne IEC 61107:1996

**Data exchange for meter reading, tariff and load control - Direct local data exchange**

Specifies hardware and protocol specifications for local systems. Deals with direct local systems, in which the hand held unit is connected to one tariff device only at a time.

Keel en

Asendatud EVS-EN 62056-21:2003

## 21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

### UUED STANDARDID JA PUBLIKATSIOONID

#### EVS-EN 61907:2010

Hind 271,00

Identne EN 61907:2010

ja identne IEC 61907:2009

#### Communication network dependability engineering

This International Standard gives guidance on dependability engineering of communication networks. It establishes a generic framework for network dependability performance, provides a process for network dependability implementation, and presents criteria and methodology for network technology designs, performance evaluation, security consideration and quality of service measurement to achieve network dependability performance objectives. This standard is applicable to network equipment developers and suppliers, network integrators and providers of network service functions for planning, evaluation and implementation of network dependability.

Keel en

## 23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

### UUED STANDARDID JA PUBLIKATSIOONID

#### EVS-EN 1057:2006+A1:2010

Hind 219,00

Identne EN 1057:2006+A1:2010

#### Vask ja vasesulamid. Õmbluseta ümmargused vasest vee- ja gaasitorud sanitaarvaldkonnas kasutamiseks ja kütmiseks

See Euroopa standard määrab kindlaks proovivõtu, katsetusmeetodite ja tarnetingimuste nõuded vasktorude kohta, mille välisläbimõõt on 6 mm kuni 267 mm (267 mm kaasa arvatud).

Keel en

Asendab EVS-EN 1057:2006

#### EVS-EN 1993-4-2/NA:2010

Hind 92,00

#### Eurokoodeks 3 - Teraskonstruksioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa

Eurokoodeksi 3 osas 4.2 on toodud eeskirjad ja rakendusjuhised, et ehituslikult projekteerida vedeltoodete salvestamiseks mõeldud püstseid silindrilisi ja püstkülikulisi terasest vedelikumahuteid, mis on alusele toetatud ja millel on järgmised iseloomustavad tunnused:

a) sisemine tunnussurve vedeliku pinna nivool – mitte väiksem kui 100 mbar ja mitte suurem kui 500 mbar; b) metalli projekttemperatuur on vahemikus –50 °C kuni +300 °C. Austeniit- või roostevabadest terasest mahutite puhul võib temperatuur olla vahemikus –165 °C kuni +300 °C. Väsimuskoormuste puhul peaks temperatuur olema piiratud tingimusega  $T < 150$  °C; c) vedeliku maksimaalne projektnivoo mitte kõrgemal kui silinderkooriku või püstkülikmahuti ülaser.

Keel et

Asendab EVS 1993-4-2:2003

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

Hind 256,00

Identne EN 1993-4-2:2007+AC:2009

ja identne EVS-EN 1993-4-2/NA:2010

#### Eurokoodeks 3 - Teraskonstruksioonide projekteerimine. Osa 4-2: Vedelikumahutid

Eurokoodeksi 3 osas 4.2 on toodud eeskirjad ja rakendusjuhised, et ehituslikult projekteerida vedeltoodete salvestamiseks mõeldud püstseid silindrilisi ja püstkülikulisi terasest vedelikumahuteid, mis on alusele toetatud ja millel on järgmised iseloomustavad tunnused:

a) sisemine tunnussurve vedeliku pinna nivool – mitte väiksem kui 100 mbar ja mitte suurem kui 500 mbar; b) metalli projekttemperatuur on vahemikus –50 °C kuni +300 °C. Austeniit- või roostevabadest terasest mahutite puhul võib temperatuur olla vahemikus –165 °C kuni +300 °C. Väsimuskoormuste puhul peaks temperatuur olema piiratud tingimusega  $T < 150$  °C; c) vedeliku maksimaalne projektnivoo mitte kõrgemal kui silinderkooriku või püstkülikmahuti ülaser.

Keel et

Asendab EVS 1993-4-2:2003

#### EVS-EN 1993-4-3:2007+NA:2010

Hind 229,00

Identne EN 1993-4-3:2007+AC:2009

ja identne EVS-EN 1993-4-3/NA:2010

#### Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-3: Torujuhtmed

Eurokoodeksi 3 käesolev osa 4-3 esitab põhimõtted ja rakendusjuhised ehituslikuks projekteerimiseks silindriliste terasest torustike jaoks, mis on ette nähtud vedelike või gaaside või vedelike ja gaaside segude transportimiseks keskkonnatemperatuuril, mida pole käsitletud detailset rakendust hõlmavates muudes Euroopa standardites.

Keel et

#### EVS-EN 1993-4-3/NA:2010

Hind 92,00

#### Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-3: Torujuhtmed. Eesti standardi rahvuslik lisa

Eurokoodeksi 3 käesolev osa 4-3 esitab põhimõtted ja rakendusjuhised ehituslikuks projekteerimiseks silindriliste terasest torustike jaoks, mis on ette nähtud vedelike või gaaside või vedelike ja gaaside segude transportimiseks keskkonnatemperatuuril, mida pole käsitletud detailset rakendust hõlmavates muudes Euroopa standardites.

Keel et

#### EVS-EN 10305-5:2010

Hind 166,00

Identne EN 10305-5:2010

#### Steel tubes for precision applications - Technical delivery conditions - Part 5: Welded and cold sized square and rectangular tubes

This European Standard specifies the technical delivery conditions for welded cold sized steel tubes of square and rectangular cross section for precision applications. Tubes according to this document are characterised by having precisely defined tolerances on dimension and a specified maximum surface roughness. Typical fields of application are in the automotive, furniture and general engineering industries.

Keel en

Asendab EVS-EN 10305-5:2003; EVS-EN 10305-5:2003/AC:2007

**EVS-EN 15632-2:2010**

Hind 114,00

Identne EN 15632-2:2010

**District heating pipes - Pre-insulated flexible pipe systems - Part 2: Bonded plastic service pipes - Requirements and test methods**

This European Standard provides requirements and test methods for flexible, pre-insulated, directly buried heating pipes with plastics service pipes and bonding between the layers of the pipes. This European Standard is valid for maximum operating temperatures of 95 °C and maximum operating pressures up to 10 bar for a design lifetime of at least 30 years. This European Standard does not cover surveillance systems.

Keel en

**EVS-EN 15632-3:2010**

Hind 105,00

Identne EN 15632-3:2010

**District heating pipes - Pre-insulated flexible pipe systems - Part 3: Non bonded system with plastic service pipes; requirements and test methods**

This European Standard provides requirements and test methods for flexible, pre-insulated, direct buried district heating pipes with plastic service pipes and no bonding between the layers of the pipes. This European Standard is valid for maximum operating temperatures of 95 °C and maximum operating pressures up to 10 bar for a design lifetime of at least 30 years. This European Standard does not cover surveillance systems.

Keel en

**EVS-EN 60335-2-41:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-41:2003/A2:2010

ja identne IEC 60335-2-41:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele**

Deals with the safety of electric pumps for liquids having a temperature not exceeding 90 deg C, with a rated voltage of not more than 250 V for single-phase and 480 V for other appliances. Examples of appliances within the scope of this standard are aquarium pumps; pumps for garden ponds; sludge pumps; submersible pumps; table fountain pumps; vertical wet pit pumps. Pumps incorporated in appliances are not covered by this standard unless a specific reference is made

Keel en

**EVS-EN ISO 10497:2010**

Hind 155,00

Identne EN ISO 10497:2010

ja identne ISO 10497:2010

**Testing of valves - Fire type-testing requirements**

This International Standard specifies fire type-testing requirements and a fire type-test method for confirming the pressure-containing capability of a valve under pressure during and after the fire test. It is not applicable to the testing requirements for valve actuators other than manually operated gear boxes or similar mechanisms when these form part of the normal valve assembly. Other types of valve actuators (e.g. electrical, pneumatic or hydraulic) can need special protection to operate in the environment considered in this valve test, and the fire testing of such actuators is outside the scope of this International Standard. Fire test certificates of valves previously tested according to previous editions of ISO 10497 and to similar internationally recognized fire test standards are also acceptable.

Keel en

Asendab EVS-EN ISO 10497:2004

**EVS-EN ISO 11295:2010**

Hind 198,00

Identne EN ISO 11295:2010

ja identne ISO 11295:2010

**Classification and information on design of plastics piping systems used for renovation**

This International Standard defines and describes families of techniques for the renovation of non-pressure and pressure pipelines through the use of plastics pipes, fittings and ancillary components. For each technique family, it identifies areas of application from the range covered by existing renovation product standards, which include underground drainage and sewerage, and underground water and gas supply networks. This International Standard provides information on the principles of, but not the detailed methodologies for, the design of plastics piping systems applied as linings to existing pipelines, covering: - existing pipeline and site conditions; - lining system functions; - structural performance; - hydraulic performance; - other factors affecting lining system selection. It does not cover the calculation methods used to determine, for each viable technique, the required amount of lining material needed to secure the desired performance of the renovated pipeline.

Keel en

Asendab EVS-EN 13689:2003

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS 845-2:2004**

ja identne EVS 845-2:2004

**Hoonete ventilatsiooni projekteerimine. Osa 2: Ventilatsiooniseadmete valik**

Käesolevas standardis esitatakse nõuded ventilatsiooniseadmete valikuks ventilatsiooniprojektides ning elamute, suurkanalide ja garaažide ventilatsiooni projekteerimise põhikriteeriumid.

Keel et

Asendatud EVS 906:2010

**EVS-EN 1057:2006**

Identne EN 1057:2006

**Vask ja vasesulamid. Õmbluseta ümmargused vasest vee- ja gaasitorud sanitaarvaldkonnas kasutamiseks ja kütmiseks**

See Euroopa standard määrab kindlaks proovivõtu, katsetusmeetodite ja tarnetingimuste nõuded vasktorude kohta, mille välisläbimõõt on 6 mm kuni 267 mm (267 mm kaasa arvatud).

Keel en

Asendab EVS-EN 1057:2000

**EVS-EN 13689:2003**

Identne EN 13689:2002

**Guidance on the classification and design of plastics piping systems used for renovation**

This standard is a guidance document, defining families of techniques for renovation of non-pressure and pressure pipelines by use of plastics pipes, fittings and ancillary components

Keel en

Asendatud EVS-EN ISO 11295:2010

**EVS-EN ISO 10497:2004**

Identne EN ISO 10497:2004

ja identne ISO 10497:2004

**Testing of valves - Fire type-testing requirements**

This International Standard specifies fire type-testing requirements and a fire type-test method for confirming the pressure-containing capability of a valve under pressure during and after the fire test. It does not cover the testing requirements for valve actuators other than manually operated gear boxes or similar mechanisms when these form part of the normal valve assembly. Other types of valve actuators (e.g. electrical, pneumatic or hydraulic) may need special protection to operate in the environment considered in this valve test, and the fire testing of such actuators is outside the scope of this International Standard.

Keel en

Asendatud EVS-EN ISO 10497:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 13445-5:2009/prA3**

Identne EN 13445-5:2009/prA3:2010

Tähtaeg 30.05.2010

**Leekkuumutusetu surveanumad. Osa 5: Kontroll ja katsetamine**

This Part of this European Standard specifies the inspection and testing of individual and serially produced pressure vessels made of steels in accordance with EN 13445-2 subject to predominantly non\_cyclic operation (i.e. vessels operating below 500 full equivalent pressure cycles).

Keel en

**FprEN ISO 8029**

Identne FprEN ISO 8029:2010

ja identne ISO 8029:2007

Tähtaeg 30.05.2010

**Plastics hose - General-purpose collapsible water hose, textile-reinforced - Specification**

This International Standard specifies the requirements for four types of textile-reinforced thermoplastics collapsible water hoses for general applications for use in the temperature range of -10 °C to +55 °C. Such hoses are classified into four types, as follows: - low pressure, designed for a maximum working pressure of up to 4,0 bar at 23 °C and up to 2,0 bar at 55 °C; - medium pressure, for a maximum working pressure of up to 7,0 bar at 23 °C and up to 3,6 bar at 55 °C; - high pressure, for a maximum working pressure of up to 10,0 bar at 23 °C and up to 5,1 bar at 55 °C; - extra-high pressure, for a maximum working pressure of up to 15,5 bar at 23 °C and up to 7,9 bar at 55 °C. This standard does not apply to products used for fire-fighting or the conveyance of drinking water.

Keel en

Asendab EVS-EN 28029:1999

**prEN 10216-2**

Identne prEN 10216-2:2010

Tähtaeg 30.05.2010

**Surveotstarbelised õmbluseta terastorud. Tehnilised tarnetingimused. Osa 2: Süsinik- ja legerterasest kõrgendatud temperatuuriomadustega torud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10216-2:2002+A2:2007

**prEN 13616**

Identne prEN 13616:2010

Tähtaeg 30.05.2010

**Seadmed paiksete vedelkütusemahutite ülevoolu vältimiseks**

This standard specifies the minimum performance and construction requirements for various types of overfill prevention devices which are limited to static tanks of shop fabricated manufacture both metallic and non metallic. It covers devices for underground tanks and also above ground tanks with a maximum height of 5 m. To cover the different types of overfill prevention devices, two types have been developed: - Type A: An overfill prevention device where the operation does not depend on the road tank vehicle or supply system; - Type B: An overfill prevention device where the operation depends on the road tank vehicle or the supply system. This standard applies to overfill prevention devices for liquid petroleum fuels, having a flash point up to but not exceeding 100 °C. The requirements apply to overfill prevention devices suitable for use at ambient temperatures in the range from -25 °C to +60 °C, and subject to normal operational pressure variations. Additional measures may be required for use at temperatures outside this range and are the subject of negotiation between the manufacturer and its client.

Keel en

Asendab EVS-EN 13616:2004

#### **prEN 16051-1**

Identne prEN 16051-1:2010

Tähtaeg 30.05.2010

#### **Inflation devices and accessories for inflatable consumer products - Part 1: Compatibility of valves and valve adapters**

This document specifies the interface geometry between valves and pump adapters as well as, flow rate performance, pressure, marking and labelling for air pumps for inflatable consumer articles (see definition in 3.1). This document does not apply for - valves of personal flotation devices according to EN ISO 12402; - diving accessories and buoyancy compensators according to EN 1809. This document exclude the following valve types: - valves used for bicycles and vehicles; - needle valves (e. g. valves used for team sport balls).

Keel en

#### **prEN 16051-2**

Identne prEN 16051-2:2010

Tähtaeg 30.05.2010

#### **Inflation devices and accessories for inflatable consumer products - Part 2: Safety requirements, durability, performance, compatibility and test methods of inflators**

This document specifies safety requirements, performance requirements and requirements for marking and labelling of air pumps for inflatable consumer articles including the interface geometry between pump adapters and valves for inflatable consumer articles.

This document does apply for pumps including tubes and adapters for inflation and deflation. This document is not applicable to electrical inflators.

Keel en

#### **prEN ISO 9080**

Identne prEN ISO 9080:2010

ja identne ISO/DIS 9080:2010

Tähtaeg 30.05.2010

#### **Plastics piping and ducting systems - Determination of the longterm hydrostatic strength of thermoplastics materials in pipe form by extrapolation**

This International Standard describes a method for estimating the long-term hydrostatic strength of thermoplastics materials by statistical extrapolation. The method is applicable to all types of thermoplastics pipe at applicable temperatures. It was developed on the basis of test data from pipe systems. The dimensions of the pipes to be tested may be specified in the relevant product/system standards.

Keel en

Asendab EVS-EN ISO 9080:2004

#### **prEN ISO 17769-1**

Identne prEN ISO 17769-1:2010

ja identne ISO/DIS 17769-1:2010

Tähtaeg 30.05.2010

#### **Liquid pumps and installation - General terms - Definitions, quantities, letter symbols and units - Part 1: Liquid pumps**

This International Standard deals with terms, letter symbols and units related to the flow of liquids through rotodynamic and positive displacement liquid pumps and associated installations. It serves as a means of clarifying communications between the installation designer, manufacturer, operator and plant constructor. Part 1 deals with liquid pumps. Part 2 deals with Pumping Systems The standard identifies the units in common usage but all further legal units may be used. This International Standard deals solely with conditions described by positive values for the rate of flow and pump head. The definitions are set out showing firstly the most common form of a quantity followed by some frequently used variants. Other variants can be constructed and appropriate symbols evolved using the symbols and subscripts shown. Prefixes such as "working" and "design" can be also applied to the defined quantities.

Keel en

#### **prEN ISO 17769-2**

Identne prEN ISO 17769-2:2010

ja identne ISO/DIS 17769-2:2010

Tähtaeg 30.05.2010

#### **Liquid pumps - General terms and installation - Definitions, quantities, letter symbols and units - Part 2: Pumping System**

This International Standard deals with terms, letter symbols and units related to the flow of liquids through rotodynamic and positive displacement liquid pumps and associated installations. It serves as a means of clarifying communications between the installation designer, manufacturer, operator and plant constructor. Part 1 deals with liquid pumps. Part 2 deals with Pumping Systems The standard identifies the units in common usage but all further legal units may be used. This part 2 deals mainly with Pumping Systems. For ease of use, some definitions already available in Part 1 have been repeated.

Keel en

## **25 TOOTMISTEHNOLLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 12417:2001+A2:2009/AC:2010**

Hind 0,00

Identne EN 12417:2001+A2:2009/AC:2010

#### **Tööpingid. Ohutus. Töötluskeskused**

Keel en

#### **EVS-EN 13128:2001+A2:2009/AC:2010**

Hind 0,00

Identne EN 13128:2001+A2:2009/AC:2010

#### **Tööpinkide ohutus. Freesid (sealhulgas sisetreipingid)**

Keel en

**EVS-EN 13507:2010**

Hind 105,00

Identne EN 13507:2010

**Thermal spraying - Pre-treatment of surfaces of metallic parts and components for thermal spraying**

This European Standard specifies the processing of surface preparation for thermal spraying. Important principles indicated in this European Standard should be taken into consideration when surfaces of metallic parts are to be prepared for thermal spraying. This European Standard applies for production of new parts as well as for the repair of worn parts. This European Standard does not apply for thermal spraying in the case of protection against atmospheric corrosion by coatings of zinc and/or aluminium and their alloys, for which EN ISO 2063 applies.

Keel en

Asendab EVS-EN 13507:2001

**EVS-EN 13898:2003+A1:2009/AC:2010**

Hind 0,00

Identne EN 13898:2003+A1:2009/AC:2010

**Tööpingid. Ohutus. Seadmed külmmetalli saagimiseks**

Keel en

**EVS-EN 14070:2004+A1:2009/AC:2010**

Hind 0,00

Identne EN 14070:2003+A1:2009/AC:2010

**Tööpinkide ohutus. Edastus- ja eriotstarbelised seadmed**

Keel en

**EVS-EN 61029-2-1:2010**

Hind 198,00

Identne EN 61029-2-1:2010

ja identne IEC 61029-2-1:1993, modified+A1:1999+A2:2001

**Teisaldatavate mootorajamiga elektritööriistade ohutus . Osa 2-1: Erinõuded ketassaepinkidele**

This European Standard applies to transportable circular saw benches intended for cutting wood and analogue materials with a blade diameter not exceeding 315 mm.

Keel en

Asendab EVS-EN 61029-2-1:2003

**EVS-EN 61029-2-8:2010**

Hind 219,00

Identne EN 61029-2-8:2010

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

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

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 848-1:1998.

Keel en

Asendab EVS-EN 61029-2-8:2004

**EVS-EN ISO 9539:2010**

Hind 80,00

Identne EN ISO 9539:2010

ja identne ISO 9539:2010

**Gaaskeevituse, -lõikamise ja seonduvate protsesside seadmetes kasutatavad materjalid**

This International Standard specifies the general, and some of the special, requirements on materials used for the construction of equipment used in gas welding, cutting and allied processes. Additional requirements on materials for some equipment are given in other standards. This International Standard is not applicable to materials used for the construction of welding hoses which are specified in ISO 3821.

Keel en

Asendab EVS-EN 29539:1999

**EVS-EN ISO 14344:2010**

Hind 114,00

Identne EN ISO 14344:2010

ja identne ISO 14344:2010

**Welding consumables - Procurement of filler materials and fluxes**

This International Standard specifies tools for communication between a purchaser and a supplier of welding consumables within quality systems, such as those based upon ISO 9001[1]. In production, the components of welding consumables are divided into discrete, predetermined quantities so that satisfactory tests with a sample from that quantity will establish that the entire quantity meets specification requirements. These quantities, known by such terms as heats, lots, blends, batches and mixes, vary in size according to the manufacturer. For identification purposes, each manufacturer assigns a unique designation to each quantity. This designation usually consists of a series of numbers or letters, or combinations thereof, which will enable the manufacturer to determine the date and time (or shift) of manufacture, the type and source of the raw materials used, and the details of the procedures used in producing the welding consumable. This designation stays with the welding consumable and can be used to identify the material later, in those cases in which identification is necessary.

Keel en

Asendab EVS-EN ISO 14344:2005

**EVS-EN ISO 14713-3:2010/AC:2010**

Hind 0,00

Identne EN ISO 14713-3:2009/AC:2010

**Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 3: Sherardizing**

Keel en



#### **EVS-EN ISO 17635:2010**

Hind 155,00

Identne EN ISO 17635:2010

ja identne ISO 17635:2010

#### **Keevisõmbuste mittepurustav kontrollimine.**

##### **Üldjuhised metalsete materjalide kohta**

This International Standard gives guidelines for the choice of non-destructive testing (NDT) methods for welds and evaluation of the results for quality control purposes, based on quality requirements, material, weld thickness, welding process, and extent of testing. This International Standard also specifies general rules and standards to be applied to the different types of testing, for either the methodology or the acceptance level for metallic materials. Acceptance levels cannot be a direct interpretation of the quality levels defined in ISO 5817 or ISO 10042. They are linked to the overall quality of the produced batch of welds. Requirements for acceptance levels for NDT comply with quality levels stated in ISO 5817 or ISO 10042 (moderate, intermediate, stringent) only on a general basis and not in detail for each indication. Annex A gives correlations between quality, NDT and acceptance level standards. Annex B gives an overview of the standards linked to quality levels, acceptance levels, and NDT methods.

Keel en

Asendab EVS-EN 12062:1999/A1:2002; EVS-EN 12062:1999; EVS-EN 12062:1999/A2:2004

#### **EVS-EN ISO 23279:2010**

Hind 145,00

Identne EN ISO 23279:2010

ja identne ISO 23279:2010

#### **Non-destructive testing of welds - Ultrasonic testing - Characterization of indications in welds**

This International Standard defines a procedure for classifying internal indications as planar or non-planar. This procedure is only suitable for indications located at least 5 mm below the unground surface of the joint. Annex A defines the procedure in the form of a flowchart. Figure 1 illustrates the location of indications.

Keel en

Asendab EVS-EN 1713:1999; EVS-EN 1713:1999/A1:2002; EVS-EN 1713:1999/A2:2004

#### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

##### **EVS-EN 1713:1999/A2:2004**

Identne EN 1713:1998/A2:2003

#### **Keevisõmbuste mittepurustav kontrollimine. Ultraheliuuring. Keevisõmbustelt saadud signaalide iseloomustus**

Käesolev standard määrab protsessuaalse läbiviimiskeemi, mille eesmärgiks on sisemiste signaalide klassifitseerimine tasapindseteks või mittetasapindseteks.

Keel en

Asendatud EVS-EN ISO 23279:2010

##### **EVS-EN 1713:1999**

Identne EN 1713:1998

#### **Keevisõmbuste mittepurustav kontrollimine. Ultraheliuuring. Keevisõmbustelt saadud signaalide iseloomustus**

Käesolev standard määrab protsessuaalse läbiviimiskeemi, mille eesmärgiks on sisemiste signaalide klassifitseerimine tasapindseteks või mittetasapindseteks.

Keel en

Asendatud EVS-EN ISO 23279:2010

#### **EVS-EN 1713:1999/A1:2002**

Identne EN 1713:1998/A1:2002

#### **Keevisõmbuste mittepurustav kontrollimine. Ultraheliuuring. Keevisõmbustelt saadud signaalide iseloomustus**

Käesolev standard määrab protsessuaalse läbiviimiskeemi, mille eesmärgiks on sisemiste signaalide klassifitseerimine tasapindseteks või mittetasapindseteks.

Keel en

Asendatud EVS-EN ISO 23279:2010

##### **EVS-EN 12062:1999/A2:2004**

Identne EN 12062:1997/A2:2003

#### **Keevisõmbuste mittepurustav kontrollimine. Üldjuhised metalsete materjalide kohta**

Võttes aluseks kvaliteedinõuded, materjali, keevisõmbuse paksuse, keevitusprotsessi ja kontrollimisulatus annab käesolev standard juhiseid mittepurustavate kontrollimismeetodite valimiseks ja tulemuste hindamiseks kvaliteedikontrolli eesmärgil. Standard määrab kindlaks ka üldjuhised ja standardid, mida kohaldatakse erinevate uuringutüüpide korral, mis on suunatud kas meetodikale või tehnilistele tingimustele vastavuse tasemele metalsete materjalide korral.

Keel en

Asendatud EVS-EN ISO 17635:2010

##### **EVS-EN 12062:1999**

Identne EN 12062:1997

#### **Keevisõmbuste mittepurustav kontrollimine. Üldjuhised metalsete materjalide kohta**

Võttes aluseks kvaliteedinõuded, materjali, keevisõmbuse paksuse, keevitusprotsessi ja kontrollimisulatus annab käesolev standard juhiseid mittepurustavate kontrollimismeetodite valimiseks ja tulemuste hindamiseks kvaliteedikontrolli eesmärgil. Standard määrab kindlaks ka üldjuhised ja standardid, mida kohaldatakse erinevate uuringutüüpide korral, mis on suunatud kas meetodikale või tehnilistele tingimustele vastavuse tasemele metalsete materjalide korral.

Keel en

Asendatud EVS-EN ISO 17635:2010

##### **EVS-EN 12062:1999/A1:2002**

Identne EN 12062:1997/A1:2002

#### **Keevisõmbuste mittepurustav kontrollimine. Üldjuhised metalsete materjalide kohta**

Võttes aluseks kvaliteedinõuded, materjali, keevisõmbuse paksuse, keevitusprotsessi ja kontrollimisulatus annab käesolev standard juhiseid mittepurustavate kontrollimismeetodite valimiseks ja tulemuste hindamiseks kvaliteedikontrolli eesmärgil. Standard määrab kindlaks ka üldjuhised ja standardid, mida kohaldatakse erinevate uuringutüüpide korral, mis on suunatud kas meetodikale või tehnilistele tingimustele vastavuse tasemele metalsete materjalide korral.

Keel en

Asendatud EVS-EN ISO 17635:2010

**EVS-EN 13507:2001**

Identne EN 13507:2001

**Thermal spraying - Pre-treatment of surfaces of metallic parts and components for thermal spraying**

The surface preparation of a work part may have a substantial effect on the performance of sprayed coatings especially with regard to their adhesion to the substrate and thus their protective action.

Keel en

Asendatud EVS-EN 13507:2010

**EVS-EN 29539:1999**

Identne EN 29539:1992

ja identne ISO 9539:1988

**Gaaskeevituse, -lõikamise ja seonduvate protsesside seadmetes kasutatavad materjalid**

Standard määrab kindlaks üldised ja erinõuded gaaskeevituse, -lõikamise ja seonduvate protsesside seadmete konstruktsioonis kasutatavatele materjalidele. Standard ei käsitle materjale, mida on kasutatud keevitusvoolikute konstruktsioonis.

Keel en

Asendatud EVS-EN ISO 9539:2010

**EVS-EN 60646:2002**

Identne EN 60646:1998

ja identne IEC 60646:1992

**Test method for crucible induction furnaces**

This International Standard applies to electrical installations comprising industrial crucible induction furnaces for melting, holding and superheating. Its object is the standardization of test methods to determine the essential parameters and technical characteristic of electroheat installations comprising the type of furnaces indicated above.

Keel en

Asendatud EVS-EN 62076:2006

**EVS-EN 61029-2-1:2003**

Identne EN 61029-2-1:2002

ja identne IEC 61029-2-1:1993+A1:1999+A2:2001

**Teisaldatavate mootorajamiga elektritööriistade ohutus . Osa 2-1: Erinõuded ketassaepinkidele**

Applies to transportable circular saws intended for cutting wood and similar materials with a blade diameter not exceeding 260 mm.

Keel en

Asendatud EVS-EN 61029-2-1:2010

**EVS-EN 61029-2-8:2004**

Identne EN 61029-2-8:2003

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

Applies to transportable single spindle vertical moulders with a maximum cutter block diameter of 180 mm.

Keel en

Asendatud EVS-EN 61029-2-8:2010

**EVS-EN ISO 14344:2005**

Identne EN ISO 14344:2005

ja identne ISO 14344:2002

**Welding and allied processes - Flux and gas shielded electrical welding processes - Procurement guidelines for consumables**

This International Standard is a tool for communication between a purchaser and a supplier of welding consumables within quality systems as might, for example, be based upon ISO 9001.

Keel en

Asendatud EVS-EN ISO 14344:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 60974-12**

Identne FprEN 60974-12:2010

ja identne IEC 60974-12:201X

Tähtaeg 30.05.2010

**Kaarkeevitusseadmed. Osa 12: Keevituskaablite ühendusseadmed**

Specifies safety and performance requirements of coupling devices. Is applicable to coupling devices for cables for welding and allied processes designed for connection and disconnection without using tools.

Keel en

Asendab EVS-EN 60974-12:2005

**FprEN 60974-13**

Identne FprEN 60974-13:2010

ja identne IEC 60974-13:201X

Tähtaeg 30.05.2010

**Arc welding equipment - Part 13: Return current clamp**

This part of IEC 60974 is applicable to return current clamp for welding and allied processes designed for connection and disconnection without using tools with a rating above 50 A. This part of IEC 60974 is not applicable to return current clamp for underwater welding. This part of IEC 60974 specifies safety and performance requirements of return current clamp. This part of IEC 60974 does not specify requirements for welding cables.

Keel en

**FprEN ISO 7963**

Identne FprEN ISO 7963:2010

ja identne ISO 7963:2006

Tähtaeg 30.05.2010

**Non-destructive testing - Ultrasonic testing - Specification for calibration block No. 2**

This International Standard specifies the dimensions, material, manufacture and methods of use for calibration block No. 2 for calibrating and checking ultrasonic testing equipment.

Keel en

Asendab EVS-EN 27963:1999

**prEN 13523-11**

Identne prEN 13523-11:2010

Tähtaeg 30.05.2010

**Coil coated metals - Test methods - Part 11: Resistance to solvents (rubbing test)**

This part of EN 13523 specifies the procedure for evaluating the degree of curing by determining the resistance of an organic coating on a metallic substrate to solvents.

Keel en

Asendab EVS-EN 13523-11:2005

## **prEN 13523-17**

Identne prEN 13523-17:2010

Tähtaeg 30.05.2010

### **Coil coated metals - Test methods - Part 17:**

#### **Adhesion of strippable films**

This part of EN 13523 describes two methods for determining the numerical evaluation of the adhesion of strippable films which have previously been applied to an organic coating on a metallic substrate. Samples can be tested irrespective of whether the strippable film has been applied in the laboratory or on the production line. NOTE Method 1 is preferred for films with adhesive and method 2 for films without adhesive.

Keel en

Asendab EVS-EN 13523-17:2005

## **prEN 13523-19**

Identne prEN 13523-19:2010

Tähtaeg 30.05.2010

### **Coil coated metals - Test methods - Part 19: Panel design and method of atmospheric exposure testing**

This part of EN 13523 specifies the panel design and describes the procedure for determining the resistance to outdoor exposure of an organic coating on a metallic substrate.

Keel en

Asendab EVS-EN 13523-19:2005

## **27 ELEKTRI- JA SOOJUSENERGEETIKA**

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 61173:2002**

Identne EN 61173:1994

ja identne IEC 61173:1992

#### **Overvoltage protection for photovoltaic (PV) power generating systems - Guide**

This International Standard gives guidance on the protection of overvoltage issues for both stand-alone and grid-connected photovoltaic power generating systems. It is intended to identify sources of overvoltage hazards (including lightning) to define the types of protection such as grounding, shielding, stroke interception and protective devices.

Keel en

Asendatud EVS-HD 60364-7-712:2006

#### **EVS-EN 61721:2002**

Identne EN 61721:1999

ja identne IEC 61721:1995

#### **Susceptibility of a photovoltaic (PV) module to accidental impact damage (resistance to impact test)**

Determines the susceptibility of a module to accidental impact damage.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 60671**

Identne prEN 60671:2010

ja identne IEC 60671:2007

Tähtaeg 30.05.2010

#### **Nuclear power plants - Instrumentation and control systems important to safety - Surveillance testing**

Lays down principles for testing I&C systems performing category A, and C functions, per IEC 61226, during normal power operation and shutdown, so as to check the functional availability especially with regard to the detection of faults that could prevent the proper operation of the functions important to safety. Covers the possibility of testing at short intervals or continuous surveillance, as well as periodic testing at longer intervals. It also establishes basic rules for the design and application of the test equipment and its interface with the systems important to safety. The main change with respect to the previous edition includes an extension of the scope to cover all systems important to safety, and a requirement gradation for systems and equipment performing category A, and C functions.

Keel en

#### **prEN 60965**

Identne prEN 60965:2010

ja identne IEC 60965:2009

Tähtaeg 30.05.2010

#### **Nuclear power plants - Control rooms - Supplementary control points for reactor shutdown without access to the main control room**

IEC 60965:2009 establishes requirements for the supplementary control points provided to enable the operating staff of nuclear power plants to shut down the reactor and maintain the plant in a safe shut-down state in the event that control of the safety functions can no longer be exercised from the main control room, due to unavailability of the main control room or its facilities. The main technical changes with regard to the previous edition are as follows: - to clarify the definitions and review the requirements; - to update the references to new IEC standards published since the first issue; - to align the standard with new editions of the relevant IAEA documents.

Keel en

#### **prEN 61500**

Identne prEN 61500:2010

ja identne IEC 61500:2009

Tähtaeg 30.05.2010

#### **Nuclear power plants - Instrumentation and control systems important to safety - Data communication in systems performing category A functions**

IEC 61500:2009 establishes requirements for data communication which is used in systems performing category A functions in nuclear power plants. It covers also interface requirements for data communication of equipment performing category A functions with other systems including those performing category B and C functions and functions not important to safety. This second edition is intended to accomplish the following: - to change the focus from multiplexed data transmission to data communication; - to restrict the scope to communication in systems performing category A functions.

Keel en

## 29 ELEKTROTEHNIKA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CLC/TR 50503:2010**

Hind 229,00

Identne CLC/TR 50503:2010

#### **Guidelines for the inventory control, management, decontamination and/or disposal of electrical equipment and insulating liquids containing PCBs**

The scope of this Technical report is to provide guidance for the activities of inventory, control, management, decontamination and/or disposal of equipment and containers with insulating liquid containing PCBs, in compliance with the Council Directives (96/59/EC), using Best Available Techniques - BAT - (96/61/EC), Commission Decision (2001/68/EC), Stockholm Convention on Persistent Organic Pollutants (POPs) and/or with appropriate national or local legislation.

Keel en

#### **CLC/TS 50537-3:2010**

Hind 188,00

Identne CLC/TS 50537-3:2010

#### **Railway applications - Mounted parts of the traction transformer and cooling system -- Part 3: Water pump for traction converters**

This Technical Specification covers requirements for centrifugal and peripheral electric pumps which generate the circulation of cooling liquid in converters of rail vehicles and their associated cooling system. The pumps covered in this Technical Specification are rotodynamic pumps driven by canned motors or magnetically coupled motors. CLC/TS 50537-3 gives consideration to both technical and normative requirements of the railway environment and restricts the variety provided by industry-wide standards for pumps (for example EN 50216-7, EN 733 and EN ISO 9906). It determines requirements and tests enabling the interchangeability especially regarding electrical, mechanical and hydraulic interfaces. Furthermore, service conditions are described.

Keel en

#### **CLC/TS 50537-1:2010**

Hind 155,00

Identne CLC/TS 50537-1:2010

#### **Railway applications - Mounted parts of the traction transformer and cooling system -- Part 1: HV bushing for traction transformers**

This Technical Specification is applicable to high voltage (HV) bushings, intended for use in traction transformers of rail vehicles, cooled by insulating liquid with rated voltages up to 25 kV single phase and rated currents up to 630 A at frequencies from 16,7 Hz to 60 Hz. HV bushings within the scope of this Technical Specification are bushings for separable connectors that connect the power supply coming from a contact wire or from a contact rail to the primary winding of the traction transformer. The Technical Specification only deals with HV bushings that are mounted to the transformer. CLC/TS 50537-1 gives consideration to both technical and normative requirements of the railway environment and restricts the variety provided by industry-wide standards for bushings, such as EN 50180 and EN 60137. It determines requirements and tests enabling the interchangeability especially regarding electrical and mechanical interfaces. Furthermore, service conditions are described. The cable plug as the counterpart of the HV bushing's plug-in end is not covered by this Technical Specification.

Keel en

#### **CLC/TS 50537-2:2010**

Hind 188,00

Identne CLC/TS 50537-2:2010

#### **Railway applications - Mounted parts of the traction transformer and cooling system -- Part 2: Pump for insulating liquid for traction transformers and reactors**

This Technical Specification covers requirements for electric pumps which generate the circulation of insulation liquid in traction transformers and reactors of rail vehicles and their associated cooling system. The pumps covered by this Technical Specification are rotodynamic pumps driven by a squirrel cage induction motor which is immersed in the insulating liquid. CLC/TS 50537-2 gives consideration to both technical and normative requirements of the railway environment and restricts the variety provided by industry-wide standards for pumps (for example EN 50216-7 and EN ISO 9906). It determines requirements and tests enabling the interchangeability especially regarding electrical, mechanical and hydraulic interfaces. Furthermore, service conditions are described.

Keel en

**CLC/TS 50537-4:2010**

Hind 135,00

Identne CLC/TS 50537-4:2010

**Railway applications - Mounted parts of the traction transformer and cooling system - Part 4: Gas and liquid actuated (Buchholz) relay for liquid immersed transformers and reactors with conservator for rail vehicles**

This Technical Specification covers gas and liquid actuated (Buchholz) relays for liquid immersed transformers and reactors with conservator for rail vehicles. The device is intended to detect • gas release from the unit to be protected, • cooling liquid surge from the protected unit to the conservator, • complete loss of the cooling liquid in the conservator. This Technical Specification gives consideration to both technical and normative requirements of the railway environment and restricts the variety in particular provided by the industry-wide standard EN 50216-2. It determines requirements and tests enabling the interchangeability of Buchholz relays by defining the following types of interfaces: • mechanical interface, e.g. flanges for pipe connection, dimensions; • electrical interface, e.g. supply voltage for making and breaking capability; • functional interface, e.g. protective operational behaviour. It is not applicable to flameproof relays. Different liquids may be used, which are typically used for both cooling and insulating. Furthermore, operating conditions are described.

Keel en

**CLC/TS 50544:2010**

Hind 178,00

Identne CLC/TS 50544:2010

**Low voltage d.c. surge protective device for traction systems - Selection and application rules for surge arresters**

This Technical Specification applies to non linear metal-oxide resistor type surge arresters (MO surge arresters) without spark gaps designed to limit voltage surges on d.c. traction systems with nominal voltage up to 1 500 V. This Technical Specification applies to protection of equipment. Same principles for selection and application apply for MO surge arresters on d.c. traction systems with nominal voltage 3 000 V.

Keel en

**EVS-EN 50397-3:2010**

Hind 155,00

Identne EN 50397-3:2010

**Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. - Part 3: Guide to use**

This part of EN 50397 provides general recommendations for the selection, storage, transportation and installation of the covered conductors and the related accessories specified in Parts 1 and 2 of the standard, unless otherwise specified. Safety regulations and environmental regulations as well as rules for installation and mechanical design are not considered in this Guide to use, as they are covered by relevant national regulations and laws. Relevant national regulations are not considered in this guide, but shall always be consulted as appropriate.

Keel en

**EVS-EN 50495:2010**

Hind 219,00

Identne EN 50495:2010

**Seadmete plahvatusohtu arvestavaks ohutuks talitluseks nõutavad ohutusseadmed**

This European Standard specifies the requirements of electrical safety devices, which are used to avoid potential ignition sources of equipment in explosive atmospheres. This also includes safety devices, which are operated outside areas with explosive atmospheres, to guarantee the safe function of equipment with respect to explosion hazards.

Keel en

**EVS-EN 60071-1:2006/A1:2010**

Hind 105,00

Identne EN 60071-1:2006/A1:2010

ja identne IEC 60071-1:2006/A1:2010

**Insulation co-ordination - Part 1: Definitions, principles and rules**

Applies to three phase alternating current systems having a highest voltage for equipment above 1 kV. Specifies the procedures for the selection of the standard withstand voltages for the phase to earth, phase to phase and longitudinal insulation of the equipment and the installations of these systems. Supersedes sections 2 and 3 of IEC 60071-3

Keel en

**EVS-EN 60079-20-1:2010**

Hind 295,00

Identne EN 60079-20-1:2010

ja identne IEC 60079-20-1:2010

**Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data**

This part of IEC 60079 provides guidance on classification of gases and vapours. It describes a test method intended for the measurement of the maximum experimental safe gaps (MESG) for gas- or vapour-air mixtures under normal conditions of temperature and pressure so as to permit the selection of an appropriate group of equipment. The method does not take into account the possible effects of obstacles on the safe gaps<sup>2</sup>. This standard describes also a test method intended for use in the determination of the auto-ignition temperature of a chemically pure vapour or gas in air at atmospheric pressure.

Keel en

**EVS-EN 60172:2003/A2:2010**

Hind 92,00

Identne EN 60172:1994/A2:2010

ja identne IEC 60172:1987/A2:2010

**Test procedure for the determination of the temperature index of enamelled winding wires**

Specifies, in accordance with the provisions of IEC 60216-1, a method for evaluating the temperature index of enamelled and of tape wrapped round and rectangular wire. It does not include fibre-insulated wire or wire covered with tapes containing inorganic fibres

Keel en

**EVS-EN 60255-1:2010**

Hind 243,00

Identne EN 60255-1:2010

ja identne IEC 60255-1:2009

**Measuring relays and protection equipment - Part 1: Common requirements**

This part of IEC 60255 specifies common rules and requirements applicable to measuring relays and protection equipment including any combination of devices to form schemes for power system protection such as control, monitoring and process interface equipment in order to obtain uniformity of requirements and tests. All measuring relays and protection equipment used for protection within the power system environment are covered by this standard. Other standards in this series may define their own requirements which in such cases shall take precedence. For special applications (marine, aerospace, explosive atmospheres, computers, etc.), the general requirements within this standard may need to be enhanced by additional special requirements. The requirements are applicable only to relays in new condition. All tests in this standard are type tests, unless otherwise declared.

Keel en

Asendab EVS-EN 60255-6:2002

**EVS-EN 60255-11:2010**

Hind 124,00

Identne EN 60255-11:2010

ja identne IEC 60255-11:2008

**Measuring relays and protection equipment - Part 11: Voltage dips, short interruptions, variations and ripple on auxiliary power supply port**

This part of the IEC 60255 series specifies the general requirements for a.c. and d.c. power supplies, for measuring relays and protection equipment for power system protection, including the control, monitoring and process interface equipment used with those systems. This part is based on: • IEC 61000-4-11 for a.c. voltage dips, short interruptions and variations; • IEC 61000-4-17 for voltage ripple; • IEC 61000-4-29 for d.c. voltage dips, short interruptions and variations. The objective of the tests is to confirm that the equipment under test will operate correctly when energised and subjected to dips, interruptions and alternating components (ripple). The requirements specified in this standard are applicable to measuring relays and protection equipment in a new condition and all tests specified are type tests only.

Keel en

**EVS-EN 60317-18:2004/A1:2010**

Hind 80,00

Identne EN 60317-18:2004/A1:2010

ja identne IEC 60317-18:2004/A1:2009

**Specifications for particular types of winding wires - Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120**

minimum 2,0 mm; minimum 0,80 mm; Specifies the requirements of enamelled rectangular copper winding wire of class 120 with a sole coating based on polyvinyl acetal resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. Class 120 is a thermal class that requires a minimum temperature index of 120 and a heat shock temperature of at least 155 °C. The temperature in degrees Celsius corresponding to the temperature index is not necessarily that at which it is recommended that the wire be operated and this will depend on many factors, including the type of equipment involved. The range of nominal conductor dimensions covered by this standard is as follows: - width: maximum 16,0 mm; - thickness: maximum 5,60 mm. Wires of grade 1 and grade 2 are included in this specification and apply to the complete range of conductors. The specified combinations of width and thickness as well as the specified ratio width/ thickness are given in IEC 60317-0-2. The main changes with respect to the previous edition are listed below: - new requirements for appearance, Subclause 3.2, added; - new pin hole test, Clause 23, added.

Keel en

**EVS-EN 60317-22:2004/A1:2010**

Hind 68,00

Identne EN 60317-22:2004/A1:2010

ja identne IEC 60317-22:2004/A1:2009

**Specifications for particular types of winding wires - Part 22: Polyester or polyesterimide enamelled round copper wire overcoated with polyamide, class 180**

Specifies the requirements of enamelled round copper winding wire of class 180 with a dual coating. The underlying coating is based on polyester or polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is based on polyamide resin. Class 180 is a thermal class that requires a minimum temperature index of 180 and a heat shock temperature of at least 200°C. The temperature in degrees Celsius corresponding to the temperature index is not necessarily that at which it is recommended that the wire be operated and this will depend on many factors, including the type of equipment involved. The range of nominal conductor diameters covered by this standard is as follows: - grade 1: 0,050 mm up to and including 3,150 mm; - grade 2: 0,050 mm up to and including 5,000 mm; - grade 3: 0,250 mm up to and including 1,600 mm. The nominal conductor diameters are specified in Clause 4 of IEC 60317-0-1. The main changes with respect to the previous edition are listed below: - new requirements for appearance, Subclause 3.2, added; - breakdown voltage values, former Table 3, replaced with a reference to IEC 60317-0-1; - new pin hole test, Clause 23, added.

Keel en

**EVS-EN 60335-2-29:2004/A2:2010**

Hind 80,00

Identne EN 60335-2-29:2004/A2:2010

ja identne IEC 60335-2-29:2002/A2:2009

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele**

Deals with the safety of electric battery chargers for household use having an output at safety extra-low voltage, their rated voltage being not more than 250 V. This standard also includes battery chargers intended for use in garages, shops, light industry and on farms.

Keel en

**EVS-EN 60335-2-97:2007/A2:2010**

Hind 92,00

Identne EN 60335-2-97:2006/A2:2010

ja identne IEC 60335-2-97:2002/A2:2008

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded rulooste, markiiside, ruloode ja muude taoliste seadmete ajamitele**

This International Standard deals with the safety of electric drives for rolling equipment such as shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Drives for equipment with a spring-controlled driven part, such as a folding arm awning, are also within the scope of this standard.

Keel en

**EVS-EN 60670-1:2005/AC:2010**

Hind 0,00

Identne EN 60670-1:2005/Corr:2010

**Kilbid ja ümbrised majapidamismasinatete ja nendega sarnaste fikseeritud elektriseadmete lisavarustusele. Osa 1: Üldnõuded**

Keel en

**EVS-EN 60684-2:2002/A2:2010**

Hind 124,00

Identne EN 60684-2:1997/A2:2005

ja identne IEC 60684-2:1997/A2:2005

**Flexible insulating sleeving - Part 2: Methods of test**

This part of IEC 60684 gives methods of test for flexible insulating sleeving, including heat shrinkable sleeving intended primarily for insulating electrical conductors and connections of electrical apparatus, although they may be used for other purposes.

Keel en

Asendatud FprEN 60684-2

**EVS-EN 61243-1:2005/A1:2010**

Hind 155,00

Identne EN 61243-1:2005/A1:2010

ja identne IEC 61243-1:2003/A1:2009

**Live working – Voltage detectors Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.**

Is applicable to portable voltage detectors, with or without built-in power sources, to be used on electrical systems for voltages of 1 kV to 765 kV a.c., and frequencies of 50 Hz and/or 60 Hz.

Keel en

**EVS-EN 62333-3:2010**

Hind 124,00

Identne EN 62333-3:2010

ja identne IEC 62333-3:2010

**Noise suppression sheet for digital devices and equipment - Part 3: Characterization of parameters of noise suppression sheet**

This part of IEC 62333 provides characterization of parameters for electromagnetic noise suppression sheet (NSS) for digital devices and equipment used in a frequency range between 30 MHz to 30 GHz. Guidance is given for uniform presentation of the properties of noise suppression sheet, intended for use in manufacturers and users technical data. NSS suppresses noise at its source, rather than absorbing noise at a distance. Therefore NSS is distinguished from RF wave absorbers used in free space.

Keel en

**EVS-EN 62493:2010**

Hind 229,00

Identne EN 62493:2010

ja identne IEC 62493:2009

**Assessment of lighting equipment related to human exposure to electromagnetic fields**

This International Standard applies to the assessment of lighting equipment related to human exposure to electromagnetic fields. The assessment consists of the induced current density for frequencies from 20 kHz to 10 MHz and the specific absorption rate (SAR) for frequencies from 100 kHz to 300 MHz around lighting equipment.

Keel en

**EVS-HD 620 S2:2010**

Hind 603,00

Identne HD 620 S2:2010

**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to 20,8/36 (42) kV**

HD 620 applies to cables with extruded insulation and for rated voltages  $U_0/U(\text{Um})$  from 3,6/6 (7,2) kV up to 20,8/36(42) kV used in power distribution systems of voltages not exceeding the maximum r.m.s. value of the system voltage  $U_m$ . This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD. Test methods specified are given EN 60228, EN 60229, EN 60332-1-2, EN 60811, EN 60885-3, HD 605 and HD 632. Attention should be drawn to the fact that a significant number of sections include references to long term tests which are collected in HD 605. These long-term tests are considered as necessary and reflect the best available knowledge for the existing cable design. They are related to specific designs and different philosophies concerning adequate measures against the influence of water. However it is the firm intention to reduce this large number of different tests, but more experience should be gained before starting to rationalise this important matter. The particular types of cables are specified in Parts 9 to 11.

Keel en

Asendab EVS-HD 620 S1:2002/A2:2006; EVS-HD 620 S1:2002; EVS-HD 620 S1:2002/A3:2007; EVS-HD 620 S1:2002/A1:2008; EVS-HD 620 S1:2002/A3:2007/AC:2007

**EVS-HD 60364-7-709:2009/AC:2010**

Hind 0,00

Identne HD 60364-7-709:2009/Corr:2010

**Madalpingelised elektripaigaldised. Osa 7-709:****Nõuded eripaigaldistele ja -paikadele.****Huvisõidusadamad ja muud samalaadsed paigad**

Keel en

**ASENDATUD VÕI TÛHISTATUD STANDARDID****EVS-EN 50001:2003**

Identne EN 50001:1973

**Low voltage switchgear and control gear for industrial use - Dimensions**

The purpose of the present standard is to establish the dimensions, including the fixing dimensions, of low voltage industrial apparatus.

Keel en

**EVS-EN 50002:2003**

Identne EN 50002:1973

**Low voltage switchgear and control gear for industrial use - Dimensions - Fixing holes for contactor relays**

The present standard applies to contactor relays and primarily to those having from 4 to 10 contacts, of which the rated working voltage does not exceed 380V (415V) alternating current, and the terminals of which each permit the connection of either one or two flexible conductors of 1,5 mm<sup>2</sup> maximum cross section or of a single flexible conductor of 2,5 mm<sup>2</sup> maximum cross section.

Keel en

**EVS-EN 50147-2:2002**

Identne EN 50147-2:1996

**Anechoic chambers - Part 2: Alternative test site suitability with respect to site attenuation**

This standard specifies requirements for alternative test sites regarding site attenuation. As long as the document CISPR/A(CO)63 is not published as a part of CISPR 16 it shall be used for test site qualification.

Keel en

**EVS-EN 60255-6:2002**

Identne EN 60255-6:1994

ja identne IEC 60255-6:1988

**Electrical relays - Part 6: Measuring relays and protection equipment**

This standard specifies the general performance requirements of all electrical measuring relays and protection equipment used in the electrotechnical fields of the IEC.

Keel en

Asendatud EVS-EN 60255-1:2010

**EVS-EN 60317-11:2002**

Identne EN 60317-11:2000

ja identne IEC 60317-11:1999

**Specifications for particular types of winding wires - Part 11: Bunched solderable polyurethane enamelled round copper wires, class 130, with silk covering**

This International Standard specifies the requirements of bunched solderable enamelled round copper winding wires, class 130, with silk covering. This covering consists of one or two layers of silk. The single wire is a solderable polyurethane enamelled round copper winding wire, class 130 (IEC 317-4).

Keel en

**EVS-EN 60317-30:2002**

Identne EN 60317-30:1996+A1:1998

ja identne IEC 60317-30:1990+A1:1997

**Specifications for particular types of winding wires - Part 30: Polyimide enamelled rectangular copper wire, class 220**

This International Standard specifies the requirements of enamelled rectangular copper winding wire of class 220 with a sole coating based on polyimide resin. Class 220 is a thermal class that requires a minimum temperature index of 220 and a heat shock temperature of at least 240 °C.

Keel en

**EVS-EN 60317-30:2002/A2:2006**

Identne EN 60317-30:1996/A2:2005

ja identne IEC 60317-30:1990/A2:2005

**Specifications for particular types of winding wires - Part 30: Polyimide enamelled rectangular copper wire, class 220**

This International Standard specifies the requirements of enamelled rectangular copper winding wire of class 220 with a sole coating based on polyimide resin. Class 220 is a thermal class that requires a minimum temperature index of 220 and a heat shock temperature of at least 240 °C.

Keel en

**EVS-EN 60707:2002**

Identne EN 60707:1999

ja identne IEC 60707:1999

**Flammability of solid non-metallic materials when exposed to flame sources - List of test methods**

Lists test methods applicable to solid non-metallic materials having an apparent density of not less than 250 kg/m<sup>3</sup>, determined in accordance with ISO 845, and intended to serve as a preliminary indication of the behaviour of these materials when exposed to a flame ignition source. The results make it possible to check the constancy of the characteristics of a material and provide an indication of the progress in the development of materials and a relative comparison and classification of various materials.

Keel en

**EVS-EN 61150:2002**

Identne EN 61150:1993

ja identne IEC 61150:1992 + Cor.:1992

**Alkaline secondary cells and batteries - Sealed nickel-cadmium rechargeable monobloc batteries in button cell design**

Specifies tests and requirements for sealed nickel-cadmium rechargeable monobloc batteries in button cell design, suitable for use in any orientation.

Keel en



**EVS-EN 61259:2002**

Identne EN 61259:1994

ja identne IEC 61259:1994

**Gas-insulated metal-enclosed switchgear for rated voltages 72,5 kV and above - Requirements for switching of bus-charging currents by disconnectors**

This International standard applies to alternating current gas-insulated metal-enclosed disconnectors for rated voltages of 72,5 kV and above. This standard provides test requirements for gas-insulated metal-enclosed disconnectors used to switch small capacitive currents (no load currents) such as occur when sections of busbars or grading capacitors are energized or de-energized.

Keel en

Asendatud EVS-EN 62271-102:2003

**EVS-EN 119000:2002**

Identne EN 119000:1996

**Generic Specification: Dry and mercury wetted reed contact units**

This Generic Specification applies to dry and mercury wetted reed contact units of assessed quality. It lists the tests and measurement procedures which may be selected for use in Detail Specifications for such units. This document also specifies the quality assessment procedures to be followed. This specification applies to those reed contact units which are operated by an applied magnetic field; it is not restricted to any particular type contact load.

Keel en

Asendatud EVS-EN 62246-1:2003

**EVS-EN 138121:2002**

Identne EN 138121:2001

**Blank detail specification: Fixed inductors for electromagnetic interference suppression - Inductors for which safety tests are required (safety tests only)**

This blank detail specification forms the basis of a uniform procedure for a common European Mark. It implements the approval schedule for safety test in EN 138100, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the design.

Keel en

**EVS-HD 360 S2:2001**

Identne HD 360 S2:1990 + A1:1991

**Ümara ristlõikega kummiisolatsiooniga tõstemasinakaablid tavakasutuseks**

The requirements of this HD apply to circular rubber insulates braided flexible cables and rubber sheathed flexible cables of rated voltages  $U_0/U$  up to and including 450/750 V, used for lifts and similar applications.

Keel en

**EVS-HD 620 S1:2002**

Identne HD 620 S1:1996

**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to 20,8/36 (42) kV**

HD 620 applies to cables with extruded insulation and for rated voltages  $U_0/U(U_m)$  from 3.6/6 (7.2) kV up to 20.8/36(42) kV used in power distribution systems of voltages not exceeding the maximum rms value of the system voltage  $U_m$ . This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD

Keel en

Asendatud EVS-HD 620 S2:2010

**EVS-HD 620 S1:2002/A3:2007**

Identne HD 620 S1:1996/A3:2007

**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV to 20,8/36 (42) kV**

HD 620 applies to cables with extruded insulation and for rated voltages  $U_0/U(U_m)$  from 3.6/6 (7.2) kV up to 20.8/36(42) kV used in power distribution systems of voltages not exceeding the maximum rms value of the system voltage  $U_m$ . This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD

Keel en

Asendatud EVS-HD 620 S2:2010

**EVS-HD 620 S1:2002/A1:2008**

Identne HD 620 S1:1996/A1:2001

**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV to 20,8/36 (42) kV**

HD 620 applies to cables with extruded insulation and for rated voltages  $U_0/U(U_m)$  from 3.6/6 (7.2) kV up to 20.8/36(42) kV used in power distribution systems of voltages not exceeding the maximum rms value of the system voltage  $U_m$ . This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD

Keel en

Asendatud EVS-HD 620 S2:2010

**EVS-HD 620 S1:2002/A3:2007/AC:2007**

Identne HD 620 S1:1996/A3:2007/Corr:2007

**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV to 20,8/36 (42) kV**

Keel en

Asendatud EVS-HD 620 S2:2010

**EVS-HD 620 S1:2002/A2:2006**

Identne HD 620 S1:1996/A2:2003

**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to 20,8/36 (42) kV**

HD 620 applies to cables with extruded insulation and for rated voltages  $U_0/U(U_m)$  from 3.6/6 (7.2) kV up to 20.8/36(42) kV used in power distribution systems of voltages not exceeding the maximum rms value of the system voltage  $U_m$ . This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD

Keel en

Asendatud EVS-HD 620 S2:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 60238:2005/FprA2**

Identne EN 60238:2004/FprA2:2010  
ja identne IEC 60238:2004/A2:200X  
Tähtaeg 30.05.2010

#### **Edisonkeermega lambipesad**

This International Standard applies to lampholders with Edison thread E14, E27 and E40, designed for connection to the supply of lamps and semi-luminaires\* only. It also applies to switched-lampholders for use in a.c. circuits only, where the working voltage does not exceed 250 V r.m.s. This standard also applies to lampholders with Edison thread E5 designed for connection to the supply mains of series connected lamps, with a working voltage not exceeding 25 V, to be used indoors, and to lampholders with Edison thread E10 designed for connection to the supply mains of series connected lamps, with a working voltage not exceeding 60 V, to be used indoors or outdoors. It also applies to lampholders E10 for building-in, for the connection of single lamps to the supply. These lampholders are not intended for retail sale.

Keel en

### **EN 60400:2008/FprA1**

Identne EN 60400:2008/FprA1:2010  
ja identne IEC 60400:2008/A1:200X  
Tähtaeg 30.05.2010

#### **Lambipesad torukujulistele luminofoorlampidele ja süüturipesad**

This International Standard states the technical and dimensional requirements for lampholders for tubular fluorescent lamps and for starterholders, and the methods of test to be used in determining the safety and the fit of the lamps in the lampholders and the starters in the starterholders. This standard covers independent lampholders and lampholders for building-in, used with tubular fluorescent lamps provided with caps as listed in Annex A, and independent starterholders and starterholders for building-in, used with starters in accordance with IEC 60155, intended for use in a.c. circuits where the working voltage does not exceed 1 000 V r.m.s.

Keel en

### **EN 60838-1:2004/FprA2**

Identne EN 60838-1:2004/FprA2:2010  
ja identne IEC 60838-1:2004/A2:200X  
Tähtaeg 30.05.2010

#### **Mitmesugused lambipesad. Osa 1: Üldnõuded ja katsetused**

Applies to lampholders of miscellaneous types intended for building-in (To be used with general purpose lamps, projection lamps, floodlighting lamps and street-lighting lamps with caps as listed in annex A) and the methods of test to be used in determining the safe use of lamps in lampholders. Requirements for lampholders for tubular fluorescent lamps, Edison screw lampholders and bayonet lampholders are covered by separate standards.

Keel en

### **EN 60947-8:2003/FprA2**

Identne EN 60947-8:2003/FprA2:2010  
ja identne IEC 60947-8:2003/A2:201X  
Tähtaeg 30.05.2010

#### **Madalpingelised lülitus- ja juhtimisaparaadid. Osa 8: Pöörlevate elektrimasinate sisseehitatud termokaitse juhtimisseadmed**

Specifies rules for control units, which perform the switching functions in response to the thermal detectors incorporated in rotating electrical machines according to IEC 60034-11, and the industrial application. It specifies rules for that type of system

Keel en

### **EN 60947-4-3:2001/FprA2**

Identne EN 60947-4-3:2000/FprA2:2010  
ja identne IEC 60947-4-3:1999/A2:201X  
Tähtaeg 30.05.2010

#### **Madalpingelised lülitus- ja juhtimisaparaadid. Osa 4-3: Kontaktorid ja mootorikäivitid. Vahelduvvoolu pooljuhtkontrollerid ja -käivitid mitte-mootorkoormuste**

This standard applies to semiconductor non motor load controllers and contactors intended for performing electrical operations by changing the state of a.c. electric circuits between the ON state and the OFF state. Typical applications are given in table 2. As controllers, they may be used to reduce the amplitude of the r.m.s. a.c. voltage on the load terminals from that of the applied voltage - either continuously or for a specified period of time. The half-wave period of the a.c. wave form remains unchanged from that of the applied voltage.

Keel en

### **EN 61184:2008/FprA1**

Identne EN 61184:2008/FprA1:2010  
ja identne IEC 61184:2008/A1:200X  
Tähtaeg 30.05.2010

#### **Bajonettlambipesad**

This International Standard applies to bayonet lampholders B15d and B22d for connection of lamps and semi-luminaires to a supply voltage of 250 V. This standard also covers lampholders which are integral with a luminaire or intended to be built into appliances. It covers the requirements for the lampholder only. For all other requirements, such as protection against electric shock in the area of the terminals, the requirements of the relevant appliance standard shall be observed and tested after building into the appropriate equipment, when that equipment is tested according to its own standard. Lampholders for use by luminaire manufacturers only are not for retail sale.

Keel en

### **FprEN 50342-5**

Identne FprEN 50342-5:2010  
Tähtaeg 30.05.2010

#### **Lead-acid starter batteries - Part 5: Properties of battery housings and handles**

This European Standard covers multicell battery housings produced of polypropylene as the preferred material for lead-acid batteries as an energy storage device for cranking combustion engines, for lighting and for additional equipment used in road vehicles. These batteries are all referred to as starter batteries. This European Standard describes battery housings for batteries usable within the engine compartment and for installation under light-protected conditions.

Keel en

**FprEN 50386**

Identne FprEN 50386:2010

Tähtaeg 30.05.2010

**Bushings up to 1 kV and from 250 A to 5 kA, for liquid filled transformers**

This European Standard is applicable to ceramic insulated bushings for rated voltages up to 1 000 V, rated currents from 250 A up to 5 000 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers.

Keel en

Asendab EVS-EN 50386:2003

**FprEN 60264-4-1**

Identne FprEN 60264-4-1:2010

ja identne EC 60264-4-1:1997+A1:2009

Tähtaeg 30.05.2010

**Packaging of winding wires - Part 4: Methods of test - Section 1: Delivery spools made from thermoplastic material**

This part of IEC 60264 defines methods of test for delivery spools for winding wires made from thermoplastic materials in order to determine conformity with the established performance requirements for their properties.

Keel en

Asendab EVS-EN 60264-4-1:2003

**FprEN 60695-11-3**

Identne FprEN 60695-11-3:2010

ja identne IEC 60695-11-3:201X

Tähtaeg 30.05.2010

**Fire hazard testing - Part 11-3: Test flames - 500 W flames: Apparatus and confirmational test methods**

This part of IEC 60695-11 provides detailed requirements for the production of a 500 W nominal, pre-mixed type test flame. The approximate overall height is 125 mm. Two test flames are described: Method A may only be produced using methane whereas method C may be produced using either methane or propane. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel en

**FprEN 60695-11-4**

Identne FprEN 60695-11-4:2010

ja identne IEC 60695-11-4:201X

Tähtaeg 30.05.2010

**Fire hazard testing - Part 11-4: Test flames - 50 W flames - Apparatus and confirmational test methods**

This part of IEC 60695-11 provides detailed requirements for the production of a 50 W nominal, pre-mixed type test flame. The approximate overall height is 20 mm. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications. Normative references

Keel en

**FprEN 60947-4-2**

Identne FprEN 60947-4-2:2010

ja identne IEC 60947-4-2:201X

Tähtaeg 30.05.2010

**Madalpingelised lülitus- ja juhtimisaparaadid. Osa 4: Kontaktorid ja mootorikäivitid. Jagu 2: Vahelduvvoolu pooljuht-mootorikontrollerid ja -käivitid**

This standard applies to controllers and starters, which may include a series mechanical switching device, intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V a.c. This standard characterizes controllers and starters with and without bypass means. Controllers and starters dealt with in this standard are not normally designed to interrupt short-circuit currents. Therefore, suitable short-circuit protection (see 8.2.5) should form part of the installation, but not necessarily of the controller or starter. In this context, this standard gives requirements for controllers and starters associated with separate short-circuit protective devices.

Keel en

Asendab EVS-EN 60947-4-2:2001/A1:2002; EVS-EN 60947-4-2:2001/A2:2007; EVS-EN 60947-4-2:2001

**FprEN 61788-4**

Identne FprEN 61788-4:2010

ja identne IEC 61788-4:200X

Tähtaeg 30.05.2010

**Superconductivity - Part 4: Residual resistance ratio measurement - Residual resistance ratio of Nb-Ti composite superconductors**

This part of IEC 61788 covers a test method for the determination of the residual resistance ratio (RRR) of a composite superconductor comprised of Nb-Ti filaments and Cu, Cu-Ni or Cu/Cu-Ni matrix. This method is intended for use with superconductors that have a monolithic structure with rectangular or round cross-section, RRR less than 350, and cross-sectional area less than 3 mm<sup>2</sup>. All measurements are done without an applied magnetic field. The method described in the body of this standard is the "reference" method and optional acquisition methods are outlined in Clause A.3.

Keel en

Asendab EVS-EN 61788-4:2007

**FprEN 61788-11**

Identne FprEN 61788-11:2010

ja identne IEC 61788-11:200X

Tähtaeg 30.05.2010

**Superconductivity - Part 11: Residual resistance ratio measurement - Residual resistance ratio of Nb3Sn composite superconductors**

This part of IEC 61788 covers a test method for the determination of the residual resistance ratio (RRR) of Nb3Sn composite conductors. This method is intended for use with superconductor specimens that have a monolithic structure with rectangular or round cross section, RRR less than 350 and cross-sectional area less than 3 mm<sup>2</sup>, and have received a reaction heat-treatment. Ideally, it is intended that the specimens are as straight as possible; however, this is not always the case, thus care must be taken to measure the specimen in its as received condition. All measurements are done without an applied magnetic field. The method described in the body of this standard is the "reference" method and optional acquisition methods are outlined in Clause A.3.

Keel en

Asendab EVS-EN 61788-11:2003

**FprEN 62040-3**

Identne FprEN 62040-3:2010

ja identne IEC 62040-3:200X

Tähtaeg 30.05.2010

**Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements**

This standard applies to movable, stationary and/or fixed electronic uninterruptible power systems (UPS) that deliver single or three-phase fixed frequency a.c. output voltage not exceeding 1000V a.c. and that present, generally through a d.c. link, an energy storage system. This standard is intended to specify performance and test requirements of a complete UPS and not of individual UPS functional units. The individual UPS functional units are dealt with in IEC publications referred to in the bibliography given in annex O that apply so far that they are not in contradiction with this standard. The primary function of the UPS covered by this standard is to ensure continuity of an alternating power source. The UPS may also serve to improve the quality of the power source by keeping it within specified characteristics. UPS have been developed over a wide range of power, from less than hundred watts to several megawatts, to meet consumer requirements for continuity and quality of power to a variety of loads.. Refer to annexes A and B for information on typical UPS configurations and topologies..

Keel en

Asendab EVS-EN 62040-3:2002; EVS-EN 62040-3:2002/A11:2009

**FprEN 62208**

Identne FprEN 62208:2010

ja identne IEC 62208:201X

Tähtaeg 30.05.2010

**Madalpingeliste aparaadikoostete tühjad ümbrised. Üldnõuded**

This International Standard applies to empty enclosures, prior to the incorporation of switchgear and controlgear components by the user, as supplied by the enclosure manufacturer. This standard specifies definitions, classifications, characteristics and test requirements of enclosures to be used for e.g. as part of switchgear and controlgear assemblies in accordance with the IEC 61439 series, the rated voltage of which does not exceed 1 000 V a.c., or 1 500 V d.c. and suitable for general use for either indoor or outdoor applications.

Keel en

Asendab EVS-EN 62208:2004

**FprEN 62271-106**

Identne FprEN 62271-106:2010

ja identne IEC 62271-106:201X

Tähtaeg 30.05.2010

**High-voltage switchgear and controlgear - Part 106: Alternating current contactors, contactor-based controllers and motor-starters**

This International Standard is applicable to a.c. contactors and/or contactor-based controllers and motor-starters designed for indoor installation and operation at frequencies up to and including 60 Hz on systems having voltages above 1 000 V but not exceeding 24 000 V.

Keel en

Asendab EVS-EN 60470:2002

**FprEN 62271-204**

Identne FprEN 62271-204:2010

ja identne IEC 62271-204:201X

Tähtaeg 30.05.2010

**High-voltage switchgear and controlgear - Part 204: Rigid high-voltage, gas-insulated transmission lines for rated voltages of 72,5 kV and above**

This international standard applies to rigid HV gas-insulated transmission lines (GIL) in which the insulation is obtained, at least partly, by a non-corrosive insulating gas, other than air at atmospheric pressure, for alternating current of rated voltages above 52kV, and for service frequencies up to and including 60 Hz. It is intended that this international standard be used where the provisions of IEC 62271-203 do not cover the application of GIL (see NOTE 3). At each end of the HV gas-insulated transmission line, a specific element may be used for the connection between the HV gas-insulated transmission line and other equipment like bushings, power transformers or reactors, cable boxes, metal-enclosed surge arresters, voltage transformers or GIS, covered by their own specification. Unless otherwise specified, the HV gas-insulated transmission line is designed to be used under normal service conditions. This international standard should be read in conjunction with IEC 62271-1 and IEC 62271-203.

Keel en

### **FprEN 62631-1**

Identne FprEN 62631-1:2010

ja identne IEC 62631-1:200X

Tähtaeg 30.05.2010

#### **Guidelines for the determination of dielectric and resistive properties of solid insulating materials - Part 1: General considerations**

This part of IEC 62631 gives guidelines for the determination of dielectric and resistive properties of solid electrical insulating materials.

Keel en

### **FprHD 60269-3**

Identne HD 60269-3:2007

ja identne IEC 60269-3:2006 (Modified)

Tähtaeg 30.05.2010

#### **Madalpingelised sulavkaitsmed. Osa 3: Lisanõuded tavaisikute poolt (peamiselt majapidamises ja muudel taolistel rakendustel) kasutamiseks ettenähtud kaitsmete. Kaitsmete standardsüsteemide A kuni F näited**

Fuses for use by unskilled persons according to the following fuse systems comply with all subclauses of IEC 60269-1 and with the requirements laid down in the relevant fuse systems. This standard is divided into six fuse systems, each dealing with a specific example of standardized fuses for use by unskilled persons: • Fuse system A: D type fuse system Remark: previously Section I in IEC 60269-3-1. • Fuse system B: Cylindrical fuses (NF cylindrical fuse system) Remark: previously Section IIA in IEC 60269-3-1. • Fuse system C: Cylindrical fuses (BS cylindrical fuse system) Remark: previously before Section IIB in IEC 60269-3-1. • Fuse system D: Cylindrical fuses (Italian cylindrical fuse system) Remark: previously Section IIC in IEC 60269-3-1. • Fuse system E: Pin-type fuses Remark: previously Section III in IEC 60269-3-1. • Fuse system F: Cylindrical fuse-links for use in plugs (BS plugtop fuse system) Remark: previously Section IV in IEC 60269-3-1.

Keel en

Asendab EVS-EN 60269-3:2001

### **FprHD 60364-5-54**

Identne FprHD 60364-5-54:2010

ja identne IEC 60364-5-54:201X

Tähtaeg 30.05.2010

#### **Madalpingelised elektripaigaldised. Osa 5-54: Elektriseadmete valik ja paigaldamine. Maandamine, kaitsejuhid ja kaitse-potentsiaaliühtlustusjuhid**

This part of IEC 60364 addresses the earthing arrangements and protective conductors including protective bonding conductors in order to satisfy the safety of the electrical installation.

Keel en

Asendab EVS-HD 60364-5-54:2007

### **prEN 50317**

Identne prEN 50317:2010

Tähtaeg 30.05.2010

#### **Raudteelased rakendused. Vooluvõtusüsteemid. Pantograafi ja liinivahelise dünaamilise vastasmõju mõõtmiste esitatavad nõuded ja hindamine**

The European standard specifies the functional requirements for output and accuracy of measurements of the dynamic interaction between pantograph and overhead contact line

Keel en

Asendab EVS-EN 50317:2003/A1:2004; EVS-EN 50317:2003/A2:2007

### **FprEN 61788-6**

Identne FprEN 61788-6:2010

ja identne IEC 61788-6:200X

Tähtaeg 30.05.2010

#### **Superconductivity -- Part 6: Mechanical properties measurement - Room temperature tensile test of Cu/Nb-Ti composite superconductors**

This part of IEC 61788 covers a test method detailing the tensile test procedures to be carried out on Cu/Nb-Ti superconductive composite wires at room temperature. This test is used to measure modulus of elasticity, 0,2 % proof strength of the composite due to yielding of the copper component, and tensile strength. The value for percentage elongation after fracture and the second type of 0,2 % proof strength due to yielding of the Nb-Ti component serves only as a reference (see Clauses A.1 and A.2). The sample covered by this test procedure has a round or rectangular cross-section with an area of 0,15 mm<sup>2</sup> to 2 mm<sup>2</sup> and a copper to superconductor volume ratio of 1,0 to 8,0 and without the insulating coating.

Keel en

Asendab EVS-EN 61788-6:2008

## **31 ELEKTROONIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 60191-6-18:2010**

Hind 166,00

Identne EN 60191-6-18:2010

ja identne IEC 60191-6-18:2010

#### **Mechanical standardization of semiconductor devices - Part 6-18: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for ball grid array (BGA)**

This part of IEC 60191 provides standard outline drawings, dimensions, and recommended variations for all square ball grid array packages (BGA), whose terminal pitch is 1 mm or larger.

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **CLC/TS 50418:2004**

Identne CLC/TS 50418:2004

#### **Safety of machinery - Electro-sensitive protective equipment - Passive infra-red protective devices (PIPDs)**

This clause of EN 61496-1 is replaced by the following: This Technical Specification is to be read in conjunction with EN 61496-1:1997. It specifies requirements for the design, construction and testing of electro-sensitive protective equipment (ESPE) for the safeguarding of machinery, employing passive infra-red protective devices (PIPDs) for the sensing function. Special attention is directed to features that ensure an appropriate safety-related performance is achieved. An ESPE may include optional safety-related functions, the requirements for which are given in Annex A of EN 61496-1.

Keel en

**EVS-EN 100114-6:2002**

Identne EN 100114-6:1996+A1:1999

**Rule of procedure 14: Quality assessment procedures - Part 6: Technology approval of electronic component manufacturers**

Technology approval is a method of approving a complete technological process (design, process realization, product manufacture, test and shipment) covering the qualification aspects common to all products as determined by the technology under consideration. This method has evolved to meet the needs of users and manufacturers and incorporates many of the latest principles and techniques in the management of quality i.e. TQM.

Keel en

**EVS-EN 100114-1:2002**

Identne EN 100114-1:1996

**Rule of Procedure - Quality Assessment Procedures - Part 1: CECC requirements for the approval of an organization**

This section is intended for use by manufactureres, distributors and specialist contractors operating in the field of electronic components, who wish to obtain quality system approval for an organization under the CECC System. This RP shall prevail in cases of apparent conflict.

Keel en

**EVS-EN 120006:2005**

Identne EN 120006:1992

**Blank Detail Specification: PIN-photodiodes for fibre optic applications**

Keel en

**EVS-EN 120008:2002**

Identne EN 120008:1993

**Blank detail specification: light emitting diodes and infrared emitting diodes for fibre optic system or sub-system**

Blank detail specification.

Keel en

**EVS-EN 130800:2002**

Identne EN 130800:2000

**Sectional Specification: Tantalum surface mounting capacitors**

This specification applies to tantalum solid electrolyte surface mounting capacitors. These capacitors are primarily intended to be mounted directly onto substrates for hybrid circuits or onto printed boards.

Keel en

Asendatud EVS-EN 60384-3:2007

**EVS-EN 130900:2002**

Identne EN 130900:1997

**Sectional Specification: Fixed polystyrene film dielectric metal foil d.c. capacitors**

This European Standard specifies requirements for fixed capacitors for direct current, for rated voltages not exceeding 6300 V, with electrodes of thin metal foils and a polystyrene film dielectric. They are intended for use in electronic equipment.

Keel en

**EVS-EN 130901:2002**

Identne EN 130901:1997

**Blank Detail Specification: Fixed polystyrene film dielectric metal foil d.c. capacitors - Assessment level E**

This European Standard specifies requirements for fixed capacitors for direct current, for rated voltages not exceeding 6300 V, with electrodes of thin metal foils and a polystyrene film dielectric. They are intended for use in electronic equipment.

Keel en

**EVS-EN 130902:2002**

Identne EN 130902:1997

**Blank Detail Specification: Fixed polystyrene film dielectric metal foil d.c. capacitors - Assessment level EZ**

This European Standard specifies requirements for fixed capacitors for direct current, for rated voltages not exceeding 6300 V, with electrodes of thin metal foils and a polystyrene film dielectric. They are intended for use in electronic equipment.

Keel en

**EVS-EN 133101:2002**

Identne EN 133101:1998

**Blank Detail Specification: Passive filter units for electromagnetic interference suppression. Filters for which safety test are not required**

Blank detail specification.

Keel en

Asendatud EVS-EN 60939-1:2005

**EVS-EN 160100:2002**

Identne EN 160100:1997

**Sectional specification: Capability approval of manufacturers of printed board assemblies of assessed quality**

This document is a sectional specification relating to printed board assemblies of assessed quality which meet the criteria for a modular electronic unit as defined in the generic specification EN 160 000. It applies to both custom built products and to standard catalogue items and defines the characteristics to be assessed and the test methods to be used for capability approval, for quality conformance inspection (lot-by-lot) and maintenance of approval.

Keel en

**EVS-EN 175200:2002**

Identne EN 175200:1996

**Sectional Specification: Circular connectors**

This Sectional Specification is applicable to circular connectors for use in electrical and electronic equipment and systems. It shall be used in conjunction with the basic specification, IEC 512:

Electromechanical components for electronic equipment, basic testing procedures and measuring methods, and the relevant Detail Specification.

Keel en

Asendatud EVS-EN 61076-2:2002

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 60947-4-3:2001/FprA2**

Identne EN 60947-4-3:2000/FprA2:2010  
ja identne IEC 60947-4-3:1999/A2:201X  
Tähtaeg 30.05.2010

### **Madalpingelised lülitus- ja juhtimisaparaadid. Osa 4-3: Kontaktorid ja mootorikäivited. Vahelduvvoolu pooljuhtkontrollerid ja -käivited mitte-mootorkoormustele**

This standard applies to semiconductor non motor load controllers and contactors intended for performing electrical operations by changing the state of a.c. electric circuits between the ON state and the OFF state. Typical applications are given in table 2. As controllers, they may be used to reduce the amplitude of the r.m.s. a.c. voltage on the load terminals from that of the applied voltage - either continuously or for a specified period of time. The half-wave period of the a.c. wave form remains unchanged from that of the applied voltage.

Keel en

### **FprEN 60512-7-2**

Identne FprEN 60512-7-2:2010  
ja identne IEC 60512-7-2:200X  
Tähtaeg 30.05.2010

### **Connectors for electronic equipment - Tests and measurements - Part 7-2: Impact tests (free connectors) - Test 7b: Mechanical strength impact**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a free connector on the end of a cable or wire bundle to withstand impacts it could receive when dropped onto a hard surface.

Keel en

### **FprEN 60512-8-3**

Identne FprEN 60512-8-3:2010  
ja identne IEC 60512-8-3:200X  
Tähtaeg 30.05.2010

### **Connectors for electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the robustness of the actuating lever of a connector mating or release mechanism.

Keel en

### **FprEN 60512-9-2**

Identne FprEN 60512-9-2:2010  
ja identne IEC 60512-9-2:200X  
Tähtaeg 30.05.2010

### **Connectors for electronic equipment - Tests and measurements - Part 9-2: Endurance tests - Test 9b: Electrical load and temperature**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a connector to withstand elevated temperatures with electrical loading.

Keel en

### **FprEN 60512-9-4**

Identne FprEN 60512-9-4:2010  
ja identne IEC 60512-9-4:200X  
Tähtaeg 30.05.2010

### **Connectors for electronic equipment - Tests and measurements - Part 9-4: Endurance tests - Test 9d: Durability of contact retention system and seals (maintenance, ageing)**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a connector to withstand stresses caused by repeated extraction and insertion of contacts during maintenance.

Keel en

### **FprEN 60512-17-2**

Identne FprEN 60512-17-2:2010  
ja identne IEC 60512-17-2:200X  
Tähtaeg 30.05.2010

### **Connectors for electronic equipment - Tests and measurements - Part 17-2: Cable clamping tests - Test 17b: Cable clamp resistance to cable rotation**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard method to assess the ability of a cable-clamping device to allow rotary movement of the cable/wire bundle without damage to the external surface of the cable/wire bundle, the cable-clamping device, the connector or the sub-assembly.

Keel en

### **FprEN 60603-7-2**

Identne FprEN 60603-7-2:2010  
ja identne IEC 60603-7-2:201X  
Tähtaeg 30.05.2010

### **Connectors for electronic equipment - Part 7-2: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 100 MHz**

This part of IEC 60603-7 covers 8-way, unshielded, free and fixed connectors, and specifies mechanical and environmental requirements, and electrical transmission requirements for frequencies up to 100 MHz. These connectors are typically used as category 5 connectors in class D cabling systems specified in ISO/IEC 11801:2002. These connectors are intermateable, interoperable, and backward compatible with other IEC 60603-7 series connectors. While the definition of interoperable is being discussed within IEC, "interoperable" in this standard means the following: The fixed and the free connector are capable of interconnecting with any IEC 60603-7 series connector, and that when it is interconnected, it fully meets all requirements of the lower frequency IEC 60603-7 series standard.

Keel en

Asendab EVS-EN 60603-7-2:2009

**FprEN 60603-7-3**

Identne FprEN 60603-7-3:2010

ja identne IEC 60603-7-3:201X

Tähtaeg 30.05.2010

**Connectors for electronic equipment - Part 7-3: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 100 MHz**

This part of IEC 60603 covers 8-way shielded free and fixed connectors and specifies mechanical and environmental requirements and electrical transmission requirements for frequencies up to 100 MHz. These connectors are typically used as category 5 connectors in class D cabling systems specified in ISO/IEC 11801:2002. These connectors are intermateable, interoperable, and backward compatible with other IEC 60603-7 series connectors. While the definition of interoperable is being discussed within the IEC, "interoperable" in this standard means the following: the fixed and the free connector are capable of interconnecting with any IEC 60603-7 series connector, and when it is interconnected, it fully meets all requirements of the lower frequency IEC 60603-7 series standard.

Keel en

Asendab EVS-EN 60603-7-3:2009

**FprEN 60603-7-5**

Identne FprEN 60603-7-5:2010

ja identne IEC 60603-7-5:201X

Tähtaeg 30.05.2010

**Connectors for electronic equipment - Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz**

This part of IEC 60603-7 covers IEC 60603-7-5 connectors, and specifies mechanical and environmental requirements, and electrical transmission requirements for frequencies up to 250 MHz. These connectors are typically used as category 6 connectors in class E cabling systems specified in ISO/IEC 11801:2002. These connectors are intermateable, interoperable, and backward compatible with other IEC 60603-7 series connectors. While the definition of interoperable is being discussed within IEC, "interoperable" in this standard means the following: The fixed and the free connector are capable of interconnecting with any IEC 60603-7 series connector, and that when it is interconnected, it fully meets all requirements of the lower frequency IEC 60603-7 series standard.

Keel en

Asendab EVS-EN 60603-7-5:2009

**FprEN 60512-8-2**

Identne FprEN 60512-8-2:2010

ja identne IEC 60512-8-2:200X

Tähtaeg 30.05.2010

**Connectors for electronic equipment - Tests and measurements - Part 8-2: Static load tests (fixed connectors) - Test 8b: Static load, axial**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to determine the ability of a fixed connector to withstand a steady axial force which might occur during normal use.

Keel en

**FprEN 61643-312**

Identne FprEN 61643-312:2010

ja identne IEC 61643-312:200X

Tähtaeg 30.05.2010

**Components for low-voltage surge protective devices - Part 312: Preferred values and characteristics for gas discharge tubes**

This international standard is applicable to gas discharge tubes (GDT) used for overvoltage protection in telecommunications, signalling and low-voltage power distribution networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.. They are defined as a gap, or series of gaps, in an enclosed discharge medium other than air. They are designed to protect apparatus or personnel, or both, from high transient voltages. This standard contains a series of test criteria, test methods and test circuits for determining the electrical characteristics of GDTs having two or three electrodes. This standard does not specify requirements applicable to complete surge protective devices, nor does it specify total requirements for GDTs employed within electronic devices, where precise coordination between GDT performance and surge protective device withstand capability is highly critical.

Keel en

Asendab EVS-EN 61643-311:2003

**FprEN 61643-313**

Identne FprEN 61643-313:2010

ja identne IEC 61643-313:201X

Tähtaeg 30.05.2010

**Components for low-voltage surge protective devices - Part 313: Selection and applications principles for gas discharge tubes**

This international standard is applicable to gas discharge tubes (GDT) used for overvoltage protection in telecommunications, signalling and low-voltage power distribution networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.. They are defined as a gap, or series of gaps, in an enclosed discharge medium other than air. They are designed to protect apparatus or personnel, or both, from high transient voltages. This standard contains a series of test criteria, test methods and test circuits for determining the electrical characteristics of GDTs having two or three electrodes. This standard does not specify requirements applicable to complete surge protective devices, nor does it specify total requirements for GDTs employed within electronic devices, where precise coordination between GDT performance and surge protective device withstand capability is highly critical.

Keel en

Asendab EVS-EN 61643-311:2003



### **FprEN 62047-5**

Identne FprEN 62047-5:2010

ja identne IEC 62047-5:200X

Tähtaeg 30.05.2010

#### **Semiconductor devices - Micro-electromechanical devices - Part 5: RF MEMS switches**

This standard describes terminology, definition, symbols, test methods that can be used to evaluate and determine the essential ratings and characteristic parameters of RF MEMS switches. The statements made in this standardization are also applicable to RF MEMS switches with various structures, contacts (DC contact and capacitive contact), configurations (series and shunt), switching networks (SPST, SPDT, DPDT, etc.), and actuation mechanism such as electrostatic, electro-thermal, electromagnetic, piezoelectric, etc. The RF MEMS switches are promising devices in advanced mobile phones with multi-band/mode operation, smart radar systems, reconfigurable RF devices and systems, SDR phones, test equipments, tunable devices and systems, satellite, etc.

Keel en

### **FprEN 62047-7**

Identne FprEN 62047-7:2010

ja identne IEC 62047-7:200X

Tähtaeg 30.05.2010

#### **Semiconductor devices - Micro-electromechanical devices - Part 7: MEMS BAW filter & duplexer for radio frequency control and selection**

This standard describes terms, definition, symbols, configurations, and test methods that can be used to evaluate and determine the performance characteristics of BAW resonator, filter, and duplexer devices as radio frequency control and selection devices. This standard specifies the methods of tests and general requirements for BAW resonator, filter, and duplexer devices of assessed quality using either capability or qualification approval procedures.

Keel en

### **FprEN 62477-1**

Identne FprEN 62477-1:2010

ja identne IEC 62477-1:201X

Tähtaeg 30.05.2010

#### **Safety requirements for power semiconductor converter systems - Part 1: General**

This International Standard applies to systems and parts thereof, with the main purpose of converting power, including products, that include power semiconductor converters (PSC), with a rated system voltage not exceeding 1 000 V a.c. or 1 500 V d.c.

Keel en

### **FprEN 62496-2-1**

Identne FprEN 62496-2-1:2010

ja identne IEC 62496-2-1:201X

Tähtaeg 30.05.2010

#### **Optical circuit boards - Basic test and measurement procedures - Part 2-1: Measurements - Optical attenuation and isolation**

IEC 62496-2-1 describes the various methods to measure the optical attenuation and isolation of optical circuit boards (OCBs).

Keel en

## **33 SIDETEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TS 61850-80-1:2010**

Hind 356,00

Identne CLC/TS 61850-80-1:2010

ja identne IEC/TS 61850-80-1:2008

#### **Communication networks and systems for power utility automation -- Part 80-1: Guideline to exchanging information from a CDC-based data model using IEC 60870-5-101 or IEC 60870-5-104**

This technical specification gives a guideline on how to exchange information from a CDC-based data model (for example IEC 61850) using IEC 60870-5-101 or IEC 60870-5-104 between substation(s) and control center(s). Mostly guidelines for functions needed in a substation gateway device are given. The goal of this technical specification is to describe standardized mapping of device-oriented data models (for example IEC 61850) with already defined attributes of CDC's and services (for example IEC 61850-7) onto the already defined ASDU's and services of IEC 60870-5-104 or IEC 60870-5-101. It is not the goal of this technical specification to add any extensions to published standards (for example IEC 61850 or IEC 60870-5-104 or IEC 60870-5-101).

Keel en

#### **EVS-EN 50065-1:2002/A1:2010**

Hind 80,00

Identne EN 50065-1:2001/A1:2010

#### **Madalpinge elektripaigaldistel olev signalisatsioon sagedusalal 3 kHz kuni 148,5 kHz. Osa 1: Üldnõuded, sagedusalad ja elektromagnetilised häiringud**

This standard applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 kHz to transmit information on low-voltage electrical systems, either on the public supply system or within

installations in consumers' premises.

Keel en

**EVS-EN 50364:2010**

Hind 105,00

Identne EN 50364:2010

**Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications**

This product standard applies to devices operating within the frequency range 0 Hz to 300 GHz, used in electronic article surveillance (EAS), radio frequency identification (RFID) and similar applications. This product standard may be used for demonstration of compliance to the requirements of the RTTE Directive 1999/5/EC, with regard to the limitation of human exposure to electromagnetic fields (EMFs). There are additional requirements covered by the Directive, which are not included in this product standard. This product standard may be used for demonstration of compliance to the requirements of the Low Voltage Directive 2006/95/EC, with regard to the limitation of human exposure to EMFs. There are additional requirements covered by the Directive, which are not included in this product standard. It should be noted that the supplier of a specific piece of equipment might not know the overall exposure environment in which the equipment is being used. This product standard can only assess the human exposure from the specific equipment under evaluation when being used according to the supplier's guidelines. Other standards can apply to products covered by this document. In particular this document is not designed to evaluate the electromagnetic compatibility with other equipment; nor does it reflect any product safety requirements other than those specifically related to human exposure to electromagnetic fields.

Keel en

Asendab EVS-EN 50364:2002

**EVS-EN 50411-2-9:2010**

Hind 219,00

Identne EN 50411-2-9:2010

**Fibre organisers and closures to be used in optical fibre communications systems - Product specifications - Part 2-9: Non-sealed closures for air blown fibre microduct cable, for category S & A**

This specification contains the initial, start of life dimensional, mechanical and environmental performance requirements which a fully installed blown fibre protected, non-sealed closure for duct and microduct cable, must meet in order for it to be categorised as an EN standard product. These products are suitable for installation of and use with microduct fibre units, microduct optical fibre cables, microduct and protected microduct as defined within EN 60794-5. When the non-sealed closures are installed in subterranean environments it is mandatory to use sealed ABF connectors meeting EN 50411-2-8 in order to guarantee the expected network performance and reliability.

Keel en

**EVS-EN 60601-1-2:2007/AC:2010**

Hind 0,00

Identne EN 60601-1-2:2007/Corr:2010

**Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja seadmeomasele toimivusele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused**

Keel en

**EVS-EN 60728-13:2010**

Hind 295,00

Identne EN 60728-13:2010

ja identne IEC 60728-13:2010

**Cable networks for television signals, sound signals and interactive services - Part 13: Optical systems for broadcast signal transmissions**

This part of IEC 60728 is applicable to optical transmission system for broadcast signal transmission that consists of a head-end equipment, optical transmission lines, in-house wirings and a system outlet. The system is primarily intended for television and sound signals using analogue and/or digital transmission technology. This standard specifies the basic system parameters and methods of measurement for optical distribution system having a system outlet in order to assess the system performance and its performance limits.

Keel en

**EVS-EN 61000-4-8:2010**

Hind 219,00

Identne EN 61000-4-8:2010

ja identne IEC 61000-4-8:2009

**Electromagnetic compatibility (EMC) -- Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test**

This part of IEC 61000 relates to the immunity requirements of equipment, only under operational conditions, to magnetic disturbances at power frequencies 50 Hz and 60 Hz related to: - residential and commercial locations; - industrial installations and power plants; - medium voltage and high voltage substations. The applicability of this standard to equipment installed in different locations is determined by the presence of the phenomenon, as specified in Clause 4. This standard does not consider disturbances due to capacitive or inductive coupling in cables or other parts of the field installation.

Keel en

Asendab EVS-EN 61000-4-8:2002

**EVS-EN 61280-1-4:2010**

Hind 219,00

Identne EN 61280-1-4:2010

ja identne IEC 61280-1-4:2009

**Fibre optic communication subsystem test procedures -- Part 1-4: General communication subsystems - Light source encircled flux measurement method**

This part of IEC 61280 is intended to characterize the encircled flux of two types of light sources: transmission light sources, which are usually coherent and substantially under-excite the mode volume of a multimode fibre, and measurement light sources, which are incoherent and excite most of the mode volume of a multimode fibre. This part of IEC 61280 sets forth a standard procedure for the collection of two-dimensional fibre optic nearfield greyscale data and subsequent reduction to one-dimensional data expressed as a set of three sampled parametric functions of radius from the fibre's optical centre. This revision of IEC 61280-1-4 continues to fulfil its original purpose, characterization of transmission light sources, which enables the accurate mathematical prediction of minimum guaranteed link length in 1 gigabit per second or greater fibre optic data communication systems. New to this revision is support for improved measurement precision of insertion loss in multimode fibre optic links through the characterization of measurement light sources. Estimation of the fibre core diameter is not an objective of this standard.

Keel en

Asendab EVS-EN 61280-1-4:2003

**EVS-EN 61280-2-3:2009/AC:2010**

Hind 0,00

Identne EN 61280-2-3:2009/Corr:2010

**Fibre optic communication subsystem test procedures -- Part 2-3: Digital systems - Jitter and wander measurements**

Keel en

**EVS-EN 61300-2-21:2010**

Hind 135,00

Identne EN 61300-2-21:2010

ja identne IEC 61300-2-21:2009

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-21: Tests - Composite temperature/humidity cyclic test**

The purpose of this part of IEC 61300 is to determine the resistance of a fibre optic device to the deteriorative effects of high temperature, humidity and cold conditions. It is intended to reveal defects in a device under test (DUT) caused by breathing as opposed to absorption of moisture. The test covers the effect of the freezing of trapped water in cracks and fissures as well as condensation. However, the degree of condensation will vary depending on the size and thermal mass of the DUT. This test differs from other cyclic damp heat tests in that it derives its increased severity from: a) a greater number of temperature variations leading to pumping actions in a given time; b) a greater cyclic temperature range; c) a higher rate of change of temperature; d) the inclusion of a number of excursions to sub-zero temperature. This type of test is particularly important for fibre optic devices made of a variety of different materials.

Keel en

Asendab EVS-EN 61300-2-21:2002

**EVS-EN 61753-111-7:2010**

Hind 188,00

Identne EN 61753-111-7:2010

ja identne IEC 61753-111-7:2009

**Fibre optic interconnecting devices and passive components - Performance standard - Part 111-7: Sealed closures for category A - Aerial**

This part of IEC 61753 contains the minimum test and measurement requirements and severities which a sealed fibre optic closure must satisfy in order to be categorised as meeting the IEC standard for category A – aerial, as defined in Annex A of IEC 61753-1. Free breathing closures are not covered in this standard.

Keel en

**EVS-EN 61753-111-8:2010**

Hind 188,00

Identne EN 61753-111-8:2010

ja identne IEC 61753-111-8:2009

**Fibre optic interconnecting devices and passive components - Performance standard - Part 111-8: Sealed closures for category G - Ground**

This part of IEC 61753 contains the minimum test and measurement requirements and severities which a sealed fibre optic closure must satisfy in order to be categorised as meeting the IEC standard for category G – ground, as defined in Annex A of IEC 61753-1. Free breathing closures are not covered in this standard.

Keel en

**EVS-EN 61753-111-9:2010**

Hind 198,00

Identne EN 61753-111-9:2010

ja identne IEC 61753-111-9:2009

**Fibre optic interconnecting devices and passive components - Performance standard - Part 111-9: Sealed closures for category S - Subterranean**

This part of IEC 61753 contains the minimum test and measurement requirements and severities which a sealed fibre optic closure must satisfy in order to be categorised as meeting the IEC standard for category S – subterranean, as defined in Annex A of IEC 61753-1. Free breathing closures are not covered in this standard.

Keel en

**EVS-EN 61850-6:2010**

Hind 415,00

Identne EN 61850-6:2010

ja identne IEC 61850-6:2009

**Communication networks and systems for power utility automation -- Part 6: Configuration description language for communication in electrical substations related to IEDs**

This part of IEC 61850 specifies a file format for describing communication-related IED (Intelligent Electronic Device) configurations and IED parameters, communication system configurations, switch yard (function) structures, and the relations between them. The main purpose of this format is to exchange IED capability descriptions, and SA system descriptions between IED engineering tools and the system engineering tool(s) of different manufacturers in a compatible way. The defined language is called System Configuration description Language (SCL). The IED and communication system model in SCL is according to IEC 61850-5 and IEC 61850-7-x. SCSM specific extensions or usage rules may be required in the appropriate parts. The configuration language is based on the Extensible Markup Language (XML) version 1.0 (see XML references in Clause 2). This standard does not specify individual implementations or products using the language, nor does it constrain the implementation of entities and interfaces within a computer system. This part of the standard does not specify the download format of configuration data to an IED, although it could be used for part of the configuration data.

Keel en

Asendab EVS-EN 61850-6:2004

**EVS-EN 61907:2010**

Hind 271,00

Identne EN 61907:2010

ja identne IEC 61907:2009

**Communication network dependability engineering**

This International Standard gives guidance on dependability engineering of communication networks. It establishes a generic framework for network dependability performance, provides a process for network dependability implementation, and presents criteria and methodology for network technology designs, performance evaluation, security consideration and quality of service measurement to achieve network dependability performance objectives. This standard is applicable to network equipment developers and suppliers, network integrators and providers of network service functions for planning, evaluation and implementation of network dependability.

Keel en

**EVS-EN 62148-15:2010**

Hind 155,00

Identne EN 62148-15:2010

ja identne IEC 62148-15:2009

**Fibre optic active components and devices - Package and interface standards -- Part 15: Discrete vertical cavity surface emitting laser packages**

This part of IEC 62148 covers the physical dimension and interface specifications for the discrete vertical cavity surface emitting laser (VCSEL) devices in optical telecommunication and optical data transmission applications. The object of this standard is to adequately specify the physical requirements of VCSEL devices that will enable mechanical interchangeability of laser devices or transmitters complying with this standard both at the printed circuit wiring board and for any panel-mounting requirement.

Keel en

**EVS-EN 300 113-1 V1.6.2:2010**

Hind 315,00

ja identne EN 300 113-1 V1.6.2

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 1: Technical characteristics and methods of measurement**

Keel en

**EVS-EN 300 113-2 V1.4.2:2010**

Hind 155,00

ja identne EN 300 113-2 V1.4.2

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Antenniühendusega pidevat või vahelduvat mähisjoone modulatsiooni kasutavad raadioseadmed andme- ja/või kõneanduriteks; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 300 119-3 V2.2.2:2010**

Hind 124,00

ja identne EN 300 119-3 V2.2.2

**Environmental Engineering (EE); European telecommunication standard for equipment practice; Part 3: Engineering requirements for miscellaneous racks and cabinets**

Keel en

**EVS-EN 300 220-1 V2.3.1:2010**

Hind 295,00

ja identne EN 300 220-1 V2.3.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods**

Keel en

**EVS-EN 300 220-2 V2.3.1:2010**

Hind 155,00

ja identne EN 300 220-2 V2.3.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed (SRD); Raadiosagedusvahemikus 25 MHz kuni 1 000 MHz kasutamiseks mõeldud võimsustasemetega kuni 500 mW raadioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinoüete alusel**

Keel en

**EVS-EN 300 330-1 V1.7.1:2010**

Hind 271,00

ja identne EN 300 330-1 V1.7.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 1: Technical characteristics and test methods**

Keel en

**EVS-EN 300 330-2 V1.5.1:2010**

Hind 124,00

ja identne EN 300 330-2 V1.5.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed (SRD); Raadiosagedusalas 9 kHz kuni 25 MHz töötavad raadioseadmed ja sagedusalas 9 kHz kuni 30 MHz töötavad induktiivseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 300 338-1 V1.3.1:2010**

Hind 229,00

ja identne EN 300 338-1 V1.3.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 1: Common requirements**

Keel en

**EVS-EN 300 338-2 V1.3.1:2010**

Hind 256,00

ja identne EN 300 338-2 V1.3.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 2: Class A/B DSC**

Keel en

**EVS-EN 300 338-3 V1.1.1:2010**

Hind 229,00

ja identne EN 300 338-3 V1.1.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 3: Class D DSC**

Keel en

**EVS-EN 300 338-4 V1.1.1:2010**

Hind 229,00

ja identne EN 300 338-4 V1.1.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 4: Class E DSC**

Keel en

**EVS-EN 300 373-2 V1.2.1:2010**

Hind 229,00

ja identne EN 300 373-2 V1.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); MF ja HF raadiosagedusalas kasutatavad liikuva mereside raadiosaatjad ja -vastuvõtjad; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinoüete alusel**

Keel en

**EVS-EN 300 373-3 V1.2.1:2010**

Hind 229,00

ja identne EN 300 373-3 V1.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); MF ja HF raadiosagedusalas kasutatavad liikuva mereside raadiosaatjad ja -vastuvõtjad; Osa 3: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 3 punkti e põhinoüete alusel**

Keel en

**EVS-EN 301 166-1 V1.3.2:2010**

Hind 315,00

ja identne EN 301 166-1 V1.3.2

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment for analogue and/or digital communication (speech and/or data) and operating on narrow band channels and having an antenna connector; Part 1: Technical characteristics and methods of measurement**

Keel en

**EVS-EN 301 166-2 V1.2.3:2010**

Hind 155,00

ja identne EN 301 166-2 V1.2.3

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Antenni ühendusega kitsaribalisel kanalil töötavad analoog- ja/või digitaalside (kõne ja/või andmeedastus) raadioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinoüete alusel**

Keel en

**EVS-EN 301 649 V2.1.1:2010**

Hind 504,00

ja identne EN 301 649 V2.1.0

**Digital Enhanced Cordless Telecommunications (DECT); DECT Packet Radio Service (DPRS)**

Keel en

**EVS-EN 301 908-1 V4.2.1:2010**

Hind 178,00

ja identne EN 301 908-1 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 1: IMT-2000, sissejuhatus ja üldised nõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinoüete alusel**

Keel en

**EVS-EN 301 908-2 V4.2.1:2010**

Hind 219,00

ja identne EN 301 908-2 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 2: IMT-2000, otsese hajutamise CDMA (UTRA FDD ja E-UTRA FDD) kasutajaseadmete harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 301 908-3 V4.2.1:2010**

Hind 229,00

ja identne EN 301 908-3 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 3: IMT-2000, otsese hajutamise CDMA (UTRA FDD ja E-UTRA FDD) baasjaamade harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 301 908-4 V4.2.1:2010**

Hind 271,00

ja identne EN 301 908-4 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 4: IMT-2000, mitme kandjaga CDMA (cdma2000 ja UMB) kasutajaseadmete põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-5 V4.2.1:2010**

Hind 243,00

ja identne EN 301 908-5 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 5: IMT-2000, mitme kandjaga CDMA (cdma2000 ja UMB) baasjaamade põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-6 V4.2.1:2010**

Hind 243,00

ja identne EN 301 908-6 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 6: IMT-2000, CDMA TDD (UTRA TDD ja E-UTRA TDD) kasutajaseadmete põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-7 V4.2.1:2010**

Hind 271,00

ja identne EN 301 908-7 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 7: IMT-2000, CDMA TDD (UTRA TDD) ja E-UTRA TDD) baasjaamade harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 301 908-11 V4.2.1:2010**

Hind 209,00

ja identne EN 301 908-11 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 11: IMT-2000, CDMA otsese hajutamise (UTRA FDD ja E-UTRA FDD) repiiterite harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 301 908-12 V4.2.1:2010**

Hind 198,00

ja identne EN 301 908-12 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 12: IMT-2000, mitme kandjaga CDMA (cdma2000) repiiterite põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-13 V4.2.1:2010**

Hind 219,00

ja identne EN 301 908-13 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 13: IMT-2000 E-UTRA kasutajaseadmete põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-14 V4.2.1:2010**

Hind 219,00

ja identne EN 301 908-14 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 14: IMT-2000 E-UTRA baasjaamade põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-15 V4.2.1:2010**

Hind 219,00

ja identne EN 301 908-15 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 15: IMT-2000 E-UTRA FDD repiiterite põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-16 V4.2.1:2010**

Hind 219,00

ja identne EN 301 908-16 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 16: IMT-2000 CDMA mitme kandjaga UMB kasutajaseadmete põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 301 908-17 V4.2.1:2010**

Hind 229,00

ja identne EN 301 908-17 V4.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 17: IMT-2000 CDMA mitme kandjaga UMB baasjaamade põhinõuded, harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 alusel**

Keel en

**EVS-EN 302 208-1 V1.3.1:2010**

Hind 256,00

ja identne EN 302 208-1 V1.3.1

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W;Part 1: Technical requirements and methods of measurement**

Keel en

**EVS-EN 302 208-2 V1.3.1:2010**

Hind 135,00

ja identne EN 302 208-2 V1.3.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Raadiosagedusalas 865 MHz kuni 868 MHz võimsusega kuni 2 W töötavad raadiosageduslikud identifitseerimisseadmed;Osa 2:Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 302 217-1 V1.3.1:2010**

Hind 198,00

ja identne EN 302 217-1 V1.3.1

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

Keel en

**EVS-EN 302 217-2-1 V1.3.1:2010**

Hind 256,00

ja identne EN 302 217-2-1 V1.3.1

**Fixed Radio Systems;Characteristics and requirements for point-to-point equipment and antennas;Part 2-1: System-dependent requirements for digital systems operating in frequency bands where frequency co-ordination is applied**

Keel en

**EVS-EN 302 217-2-2 V1.3.1:2010**

Hind 315,00

ja identne EN 302 217-2-2 V1.3.1

**Paiksed raadiosüsteemid; Raadioliinide seadmete ja antennide karakteristikud ja nõuded; Osa 2-2: Koordineeritavates raadiosagedusalades töötavate digitaalsüsteemide harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinõuete alusel**

Keel en

**EVS-EN 302 217-4-1 V1.4.1:2010**

Hind 166,00

ja identne EN 302 217-4-1 V1.4.1

**Fixed Radio Systems;Characteristics and requirements for point-to-point equipment and antennas;Part 4-1: System-dependent requirements for antennas**

Keel en

**EVS-EN 302 217-4-2 V1.5.1:2010**

Hind 209,00

ja identne EN 302 217-4-2 V1.5.1

**Paiksed raadiosüsteemid.Raadioliinide seadmete ja antennide karakteristikud ja nõuded.Osa 4-2:Antennid.Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 302 544-1 V1.1.2:2010**

Hind 219,00

ja identne EN 302 544-1 V1.1.2:2009

**Sagedusalas 2500 MHz kuni 2690 MHz töötavad lairibaandmeedastussüsteemid;Osa 1:Aegtihendus dupleks modulatsiooniga (TDD) baasjaamad;harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 302 550-1-1 V1.1.1:2010**

Hind 243,00

ja identne EN 302 550-1-1 V1.1.1

**Satellite Earth Stations and Systems (SES);Satellite Digital Radio (SDR) Systems;Part 1: Physical Layer of the Radio Interface;Sub-part 1: Outer Physical Layer**

Keel en

**EVS-EN 302 550-1-2 V1.1.1:2010**

Hind 145,00

ja identne EN 302 550-1-2 V1.1.1

**Satellite Earth Stations and Systems (SES);Satellite Digital Radio (SDR) Systems;Part 1: Physical Layer of the Radio Interface;Sub-part 2: Inner Physical Layer Single Carrier Modulation**

Keel en

**EVS-EN 302 550-1-3 V1.1.1:2010**

Hind 178,00

ja identne EN 302 550-1-3 V1.1.1

**Satellite Earth Stations and Systems (SES);Satellite Digital Radio (SDR) Systems;Part 1: Physical Layer of the Radio Interface;Sub-part 3: Inner Physical Layer Multi Carrier Modulation**

Keel en

**EVS-EN 302 561 V1.2.1:2010**

Hind 271,00

ja identne EN 302 561 V1.2.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Sageduskanalis laiusega 25 kHz, 50 kHz, 100 kHz või 150 kHz töötavad pidevat või vahelduvat mähisjoone modulatsiooni kasutavad raadioseadmed; Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 302 977 V1.1.2:2010**

Hind 243,00

ja identne EN 302 977 V1.1.2

**Kosmoseside maajaamad ja süsteemid (SES). Raadiosagedusalades 12/14 GHz töötavad liiklusvahenditele paigaldatud maajaamade (VMES) harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinõuete alusel**

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 50364:2002**

Identne EN 50364:2001

**Elektroonilistes jälgimisseadmetes, raadiosageduslikes tuvastusseadmetes jms. rakendustes kasutatavate, sagedusvahemikus 0 Hz kuni 10 GHz talitlevatest seadmetest tingitud elektromagnetväljade inimesele mõjuva toime piiramine**

This product standard applies to devices operating within the frequency range 0 Hz to 10 GHz, used in electronic article surveillance (EAS), radio frequency identification (RFID) and similar applications. This product standard may be used for demonstration of compliance to the requirements of Council Directive 1999/5/EC, with regard to the limitation of human exposure to electromagnetic fields (EMFs). There are additional requirements covered by the Directive, which are not included in this product standard.

Keel en

Asendatud EVS-EN 50364:2010

**EVS-EN 61000-4-8:2002**

Identne EN 61000-4-8:1993+A1:2001

ja identne IEC 61000-4-8:1993+A1:2000

**Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 8: Power frequency magnetic field immunity test - Basic EMC Publication**

Relates to the immunity requirements of equipment, only under operational conditions, to magnetic disturbances at power frequency related to: - residential and commercial location - industrial installations and power plants - medium voltage and high voltage sub-stations.

Keel en

Asendatud EVS-EN 61000-4-8:2010

**EVS-EN 61280-1-4:2003**

Identne EN 61280-1-4:2003

ja identne IEC 61280-1-4:2003

**Fibre optic communication subsystem test procedures - Part 1-4: General communication subsystems - Collection and reduction of two-dimensional nearfield data for multimode fibre laser transmitters**

Provides a procedure for the collection of two-dimensional fibre optic nearfield grayscale data and subsequent reduction to one-dimensional data expressed as a set of three sampled parametric functions of radius from the fibre's optical center. The object is to reduce measurement errors and inter-laboratory variation

Keel en

Asendatud EVS-EN 61280-1-4:2010

**EVS-EN 61280-2-5:2002**

Identne EN 61280-2-5:1998

ja identne IEC 61280-2-5:1998

**Fibre optic communication subsystem basic test procedures - Part 2-5: Test procedures for digital systems - Jitter transfer function measurement**

The object of this test procedure is to measure the jitter transfer characteristics of an individual digital equipment as the ratio of the output jitter to the applied input jitter as a function of frequency.

Keel en

Asendatud EVS-EN 61280-2-3:2009

**EVS-EN 61300-2-21:2002**

Identne EN 61300-2-21:1997

ja identne IEC 61300-2-21:1995

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-21: Tests - Composite temperature-humidity cyclic test**

The purpose of this part of IEC 1300 is to determine in an accelerated manner the resistance of a fibre optic device to the deteriorative effects of high temperature, humidity and cold conditions.

Keel en

Asendatud EVS-EN 61300-2-21:2010

**EVS-EN 61300-2-25:2002**

Identne EN 61300-2-25:1997

ja identne IEC 61300-2-25:1995

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-25: Tests - Sealing endurance for closures**

The purpose of this part of IEC 1300 is to determine the long-term properties of the sealing system of closures, especially if they are used in pressurized cable networks.

Keel en

**EVS-EN 61300-2-39:2002**

Identne EN 61300-2-39:1997

ja identne IEC 61300-2-39:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures - Part 2-39: Tests - Susceptibility to external magnetic fields**

This part of IEC 1300 describes the test to measure a component's susceptibility to a change in optical performance when an external magnetic field is exerted on it.

Keel en



**EVS-EN 61300-2-16:2007**

Identne EN 61300-2-16:2006

ja identne IEC 61300-2-16:2006

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-16: Tests - Mould growth**

This part of IEC 61300, when required by the relevant specification, evaluates the ability of the materials used for passive fibre optic devices to withstand the action of fungi and bacteria and soil microorganisms likely to be encountered during usage. The type and extent of material deterioration may be determined by visual examination and/or changes in mass or any other physical property. Since mould growth conditions include high relative humidity, the test is applicable to passive optic devices under humid operating conditions according to IEC 61753-1, in storage and/or transport.

Keel en

Asendab EVS-EN 61300-2-16:2002

**EVS-EN 61850-6:2004**

Identne EN 61850-6:2004

ja identne IEC 61850-6:2004

**Communication networks and systems in substations - Part 6: Configuration description language for communication in electrical substations related to IEDs**

Specifies a file format for describing communication related IED (Intelligent Electronic Device) configurations and IED parameters, communication system configurations, switchyard (function) structures, and the relations between them. The purpose is to exchange IED capability descriptions, and SA system descriptions between IED engineering tools and the system engineering tool(s) of different manufacturers in a compatible way. Is to be used together with IEC 61850-5 and the IEC 61850-7 series.

Keel en

Asendatud EVS-EN 61850-6:2010

**EVS-EN 62272-1:2004**

Identne EN 62272-1:2003

ja identne IEC 62272-1:2003

**Digital Radio Mondiale (DRM) - Part 1: System specification**

Describes the frequency bands used for broadcasting below 30 MHz: Low frequency (LF) band - from 148,5 kHz to 283,5 kHz, in ITU Region 1 [1]\* only; Medium frequency (MF) band - from 526,5 kHz to 1 606,5 kHz, in ITU Regions 1 [1] and 3 [1] and from 525 kHz to 1 705 kHz in ITU Region 2 [1]; High frequency (HF) bands - a set of individual broadcasting bands in the frequency range 2,3 MHz to 27 MHz, generally available on a Worldwide basis. These bands offer unique propagation capabilities that permit the achievement of: Large coverage areas, whose size and location may be dependent upon the time of day, season of the year or period in the (approximately) 11 year sunspot cycle; Portable and mobile reception with relatively little impairment caused by the environment surrounding the receiver.

Keel en

**EVS-EN 133101:2002**

Identne EN 133101:1998

**Blank Detail Specification: Passive filter units for electromagnetic interference suppression. Filters for which safety test are not required**

Blank detail specification.

Keel en

Asendatud EVS-EN 60939-1:2005

**EVS-EN 138121:2002**

Identne EN 138121:2001

**Blank detail specification: Fixed inductors for electromagnetic interference suppression - Inductors for which safety tests are required (safety tests only)**

This blank detail specification forms the basis of a uniform procedure for a common European Mark. It implements the approval schedule for safety test in EN 138100, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the design.

Keel en

**EVS-EN ISO/IEC 13818-9:2001**

Identne EN ISO/IEC 13818-9:2000

ja identne ISO/IEC 13818-9:1996

**Information technology - Generic coding of moving pictures and associated audio information - Part 9: Extension for real time interface for systems decoders**

This part of ISO/IEC 13818 does not change or supersede any of the requirements in ISO/IEC 13818-1. All Transport Streams, whether or not they are delivered in accordance with the RTI shall comply with ISO/IEC 13818-1. In particular, the accuracy requirement in ISO/IEC 13818-1 for PCRs in Transport Streams is not changed by the requirements of this part of ISO/IEC 13818. Compliance with this part of ISO/IEC 13818 is not required for compliance with ISO/IEC 13818-1.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****EN 300 396-6 V1.4.0**

ja identne EN 300 396-6 V1.4.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA); Direct Mode Operation (DMO); Part 6: Security**

Keel en

**EN 300 296-2 V1.3.1**

ja identne EN 300 296-2 V1.3.1

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 300 086-1 V1.4.1**

ja identne EN 300 086-1 V1.4.1

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Land Mobile Service;Radio equipment with an internal or external RF connector intended primarily for analogue speech;Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 300 086-2 V1.3.1**

ja identne EN 300 086-2 V1.3.1

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Land Mobile Service;Radio equipment with an internal or external RF connector intended primarily for analogue speech;Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 300 175-2 V2.3.0**

ja identne EN 300 175-2 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 2: Physical Layer (PHL)**

Keel en

**EN 300 175-3 V2.3.0**

ja identne EN 300 175-3 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 3: Medium Access Control (MAC) layer**

Keel en

**EN 300 175-4 V2.3.0**

ja identne EN 300 175-4 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 4: Data Link Control (DLC) layer**

Keel en

**EN 300 175-5 V2.3.0**

ja identne EN 300 175-5 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 5: Network (NWK) layer**

Keel en

**EN 300 175-6 V2.3.0**

ja identne EN 300 175-6 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 6: Identities and addressing**

Keel en

**EN 300 175-7 V2.3.0**

ja identne EN 300 175-7 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 7: Security features**

Keel en

**EN 300 175-8 V2.3.0**

ja identne EN 300 175-8 V2.3.0

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 8: Speech and audio coding and**

Keel en

**EN 300 296-1 V1.3.1**

ja identne EN 300 296-1 V1.3.1

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Land Mobile Service;Radio equipment using integral antennas intended primarily for analogue speech;Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 300 392-5 V2.2.0**

ja identne EN 300 392-5 V2.2.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D) and Direct Mode Operation (DMO); Part 5: Peripheral Equipment Interface (PEI)**

Keel en

**EN 300 392-2 V3.4.0**

ja identne EN 300 392-2 V3.4.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface (AI)**

Keel en

**EN 300 392-7 V3.2.0**

ja identne EN 300 392-7 V3.2.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA);Voice plus Data (V+D);Part 7: Security**

Keel en

**EN 300 392-12-4 V1.2.0**

ja identne EN 300 392-12-4 V1.2.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 12: Supplementary services stage 3; Sub-part 4: Call Forwarding (CF)**

Keel en

**EN 300 392-12-8 V1.2.0**

ja identne EN 300 392-12-8 V1.2.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 12: Supplementary services stage 3; Sub-part 8: Area Selection (AS)**

Keel e

**EN 300 392-3-5 V1.4.0**

ja identne EN 300 392-3-5 V1.4.0

Tähtaeg 30.05.2010

**Terrestrial Trunked Radio (TETRA);Voice plus Data (V+D);Part 3: Interworking at the Inter-System Interface (ISI);Sub-part 5: Additional Network Feature for Mobility Management (ANF-ISIMM)**

Keel en

**EN 300 444 V2.1.1**

ja identne EN 300 444 V2.1.1

Tähtaeg 30.05.2010

**Digital Enhanced Cordless Telecommunications (DECT);Generic Access Profile (GAP)**

Keel en

**EN 300 676-1 V1.5.1**

ja identne EN 300 676-1 V1.5.1

Tähtaeg 30.05.2010

**Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 301 025-1 V1.4.1**

ja identne EN 301 025-1 V1.4.1

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC);Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 301 841-1 V1.3.1**

ja identne 301 841-1 V1.3.1

Tähtaeg 30.05.2010

**VHF air-ground Digital Link (VDL) Mode 2;Technical characteristics and methods of measurement for ground-based equipment;Part 1: Physical layer and MAC sub-layer**

Keel en

**EN 302 217-2-2 V1.4.1**

ja identne EN 302 217-2-2 V1.4.1

Tähtaeg 30.05.2010

**Fixed Radio Systems;Characteristics and requirements for point-to-point equipment and antennas;Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied;Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 302 583 V1.1.2**

ja identne EN 302 583 V1.1.2

Tähtaeg 30.05.2010

**Digital Video Broadcasting (DVB);Framing Structure, channel coding and modulation for Satellite Services to Handheld devices (SH) below 3 GHz**

Keel en

**EN 302 645 V1.1.1**

ja identne EN 302 645 V1.1.1

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Short Range Devices;Global Navigation Satellite Systems (GNSS) Repeaters;Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 302 684-1 V1.0.0**

ja identne EN 302 684-1 V1.0.0

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);EMC network standards;Part 1: Wire-line telecommunications networks using telephone wires [Endorsed CENELEC pr50529-1: 2008]**

Keel en

**EN 302 684-2 V1.0.0**

ja identne EN 302 684-2 V1.0.0

Tähtaeg 30.05.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM);EMC network standards;Part 2: Wire-line telecommunications networks using coaxial cables [Endorsed CENELEC pr50529-2: 2008]**

Keel en

**EN 302 769 V1.1.1**

ja identne EN 302 769 V1.1.1

Tähtaeg 30.05.2010

**Digital Video Broadcasting (DVB);Frame structure channel coding and modulation for a second generation digital transmission system for cable systems (DVB-C2)**

Keel en

**EN 303 212 V1.1.1**

ja identne EN 303 212 V1.1.1

Tähtaeg 30.05.2010

**Airport Collaborative Decision Making (A-CDM);Community Specification for application under the Single European Sky Interoperability Regulation EC**

Keel en

**EN 303 213-1 V1.2.1**

ja identne EN 303 213-1 V1.2.1

Tähtaeg 30.05.2010

**Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces**

Keel en

**FprEN 50554**

Identne FprEN 50554:2010

Tähtaeg 30.05.2010

**Basic standard for the in-situ assessment of a broadcast site related to general public exposure to radio frequency electromagnetic fields**

This basic standard specifies the method for assessing overall exposure from fixed radio frequency sources at a broadcast site. This assessment may be applied at any time but must be carried out when the exposure situation changes in or around this site. It plays an essential role in the coordination of different stakeholders, with respect to ensuring EMF exposure compliance in and around a broadcast site especially for equipment installed within the site

Keel en

**FprEN 55017**

Identne FprEN 55017:2010

ja identne CISPR 17:201X

Tähtaeg 30.05.2010

**Methods of measurement of the suppression characteristics of passive EMC filtering devices**

This standard specifies methods to measure the radio interference suppression characteristics of passive EMC filtering devices used in power and signal lines.

Keel en

**FprEN 60268-16**

Identne FprEN 60268-16:2010

ja identne IEC 60268-16:200X

Tähtaeg 30.05.2010

**Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index**

This part of IEC 60268 specifies objective methods for rating the transmission quality of speech with respect to intelligibility. The objective of this standard is to provide a comprehensive manual for all types of users of the STI method in the fields of audio, communications and acoustics. Three methods are presented, which are closely related and are referred to as "STI," "STIPA", and "STITEL". The first two methods are intended for rating speech transmission with or without sound systems. The latter method has more restricted uses.

Keel en

Asendab EVS-EN 60268-16:2003

**FprEN 60728-6**

Identne FprEN 60728-6:2010

ja identne IEC 60728-6:201X

Tähtaeg 30.05.2010

**Cable networks for television signals, sound signals and interactive services - Part 6: Optical equipment**

This part of IEC 60728 lays down the measuring methods, performance requirements and data publication requirements of optical equipment of cable networks for television signals, sound signals and interactive services. This standard • applies to all optical transmitters, receivers, amplifiers, directional couplers, isolators, multiplexing devices, connectors and splices 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, shall be published. • identifies guaranteed performance requirements for certain parameters; • lays down data publication requirements with guaranteed performance; • describes methods of measurement for compliance testing. All requirements and published data relate to minimum performance levels within the specified frequency range and in well-matched conditions as might be applicable to cable networks for television signals, sound signals and interactive services.

Keel en

Asendab EVS-EN 60728-6:2004

**FprEN 61300-2-17**

Identne FprEN 61300-2-17:2010

ja identne IEC 61300-2-17:201X

Tähtaeg 30.05.2010

**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

**FprEN 61300-3-45**

Identne FprEN 61300-3-45:2010

ja identne IEC 61300-3-45:201X

Tähtaeg 30.05.2010

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-45: Examinations and measurements - Attenuation of random mated multi-fibre connectors**

The purpose of this part of IEC 61300 is to describe the procedure required to measure the statistical distribution and mean attenuation for random mated optical connectors with PC and APC polished 1-row multi-fibre rectangular ferrules as defined in the IEC 61754 series. This measurement method is applicable to cable assemblies.

Keel en

**FprEN 61643-312**

Identne FprEN 61643-312:2010

ja identne IEC 61643-312:200X

Tähtaeg 30.05.2010

**Components for low-voltage surge protective devices - Part 312: Preferred values and characteristics for gas discharge tubes**

This international standard is applicable to gas discharge tubes (GDT) used for overvoltage protection in telecommunications, signalling and low-voltage power distribution networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.. They are defined as a gap, or series of gaps, in an enclosed discharge medium other than air. They are designed to protect apparatus or personnel, or both, from high transient voltages. This standard contains a series of test criteria, test methods and test circuits for determining the electrical characteristics of GDTs having two or three electrodes. This standard does not specify requirements applicable to complete surge protective devices, nor does it specify total requirements for GDTs employed within electronic devices, where precise coordination between GDT performance and surge protective device withstand capability is highly critical.

Keel en

Asendab EVS-EN 61643-311:2003

**FprEN 61643-313**

Identne FprEN 61643-313:2010

ja identne IEC 61643-313:201X

Tähtaeg 30.05.2010

**Components for low-voltage surge protective devices - Part 313: Selection and applications principles for gas discharge tubes**

This international standard is applicable to gas discharge tubes (GDT) used for overvoltage protection in telecommunications, signalling and low-voltage power distribution networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.. They are defined as a gap, or series of gaps, in an enclosed discharge medium other than air. They are designed to protect apparatus or personnel, or both, from high transient voltages. This standard contains a series of test criteria, test methods and test circuits for determining the electrical characteristics of GDTs having two or three electrodes. This standard does not specify requirements applicable to complete surge protective devices, nor does it specify total requirements for GDTs employed within electronic devices, where precise coordination between GDT performance and surge protective device withstand capability is highly critical.

Keel en

Asendab EVS-EN 61643-311:2003

**FprEN 61754-20-100**

Identne FprEN 61754-20-100:2010

ja identne IEC 61754-20-100:201X

Tähtaeg 30.05.2010

**Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 20-100: Interface standard for LC connectors with protective housings related to IEC 61076-3-106**

This interface standard covers connectors with protective housings. These connectors use a push-pull coupling mechanism. To connect the fibres inside the housing the LC interface is used as described in IEC 61754-20. The fully assembled variants (connectors) described in this document incorporate fixed and free connectors.

Keel en

**FprEN 62129-2**

Identne FprEN 62129-2:2010

ja identne IEC 62129-2:201X

Tähtaeg 30.05.2010

**Calibration of wavelength/optical frequency measurement instruments - Part 2: Michelson interferometer single wavelength meters**

This international standard is applicable to instruments measuring the vacuum wavelength or optical frequency emitted from sources that are typical for the fibre-optic communications industry. These sources include Distributed Feedback (DFB) laser diodes, External Cavity lasers and single longitudinal mode fibre-type sources. It is assumed that the optical radiation will be coupled to the wavelength meter by a single-mode optical fibre. The standard describes the calibration of wavelength meters to be performed by calibration laboratories or by wavelength meter manufacturers. This document is part of the IEC 62129 series on the calibration of wavelength/optical frequency measurement instruments. Refer to standard IEC 62129 for the calibration of optical spectrum analyzers.

Keel en

**FprEN 62496-2-1**

Identne FprEN 62496-2-1:2010

ja identne IEC 62496-2-1:201X

Tähtaeg 30.05.2010

**Optical circuit boards - Basic test and measurement procedures - Part 2-1: Measurements - Optical attenuation and isolation**

IEC 62496-2-1 describes the various methods to measure the optical attenuation and isolation of optical circuit boards (OCBs).

Keel en

**FprEN 62605**

Identne FprEN 62605:2010

ja identne IEC 62605:200X

Tähtaeg 30.05.2010

**Multimedia systems and equipment - Multimedia e-publishing and e-books - Interchange format for E-dictionaries**

This International Standard specifies the interchange format for e-dictionaries among publishers, content creators and manufacturers. This International Standard does not address the followings: • Data formats for reading devices. • Elements necessary for final print reproduction only. • Rendering issues related to physical devices • Security issues such as DRM for document

Keel en

**prEN 50288-10**

Identne prEN 50288-10:2010

Tähtaeg 30.05.2010

**Multi-element metallic cables used in analogue and digital communication and control - Part 10: Sectional specification for cables characterized up to 500 MHz - Horizontal and building backbone cables**

EN 50288-10 is a sectional specification for screened cables, characterised up to 500 MHz, to be used in horizontal and building backbone wiring for Information technology, Generic-cabling systems. This sectional specification contains the electrical, mechanical, transmission and environmental performance characteristics and requirements of the cables when tested in accordance with the referenced test methods. This sectional specification is to be read in conjunction with EN 50288-1:2003, which contains the essential provisions for its application. The cables covered in this sectional specification are intended to operate with voltages and currents normally encountered in communications systems. These cables are not intended to be used in conjunction with low impedance sources, for example the electrical power supplies of public utility mains.

Keel en

#### **prEN 50288-11**

Identne prEN 50288-11:2010

Tähtaeg 30.05.2010

#### **Multi-element metallic cables used in analogue and digital communication and control - Part 11: Sectional specification for un-screened cables, characterised up to 500 MHz, for horizontal and building backbone wiring**

EN 50288-11 is a sectional specification for un-screened cables, characterised up to 500 MHz, to be used in horizontal and building backbone wiring for Information technology, Generic-cabling systems. This sectional specification contains the electrical, mechanical, transmission and environmental performance characteristics and requirements of the cables when tested in accordance with the referenced test methods. This sectional specification is to be read in conjunction with EN 50288-1:2003, which contains the essential provisions for its application. The cables covered in this sectional specification are intended to operate with voltages and currents normally encountered in communications systems. These cables are not intended to be used in conjunction with low impedance sources, for example the electrical power supplies of public utility mains.

Keel en

#### **prEN 50288-9-1**

Identne prEN 50288-9-1:2010

Tähtaeg 30.05.2010

#### **Multi-element metallic cables used in analogue and digital communications and control - Part 9-1: Sectional specification for screened cables characterised up to 1 000 MHz - Horizontal and building backbone cables**

EN 50288-9-1 is a sectional specification for screened cables, characterised up to 1 000 MHz, to be used in horizontal floor and building backbone wiring for Information technology, Generic-cabling systems. This sectional specification contains the electrical, mechanical, transmission and environmental performance characteristics and requirement of the cables when tested in accordance with the referenced test methods. This sectional specification should be read in conjunction with EN 50288-1:2003, which contains the essential provisions for its application. The cables covered in this sectional specification are intended to operate with voltages and currents normally encountered in communication systems. These cables are not intended to be used in conjunction with low impedance sources, for example, the electric power supplies of public utility mains.

Keel en

#### **prEN 50411-3-3**

Identne prEN 50411-3-3:2010

Tähtaeg 30.05.2010

#### **Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 3-3: Singlemode optical fibre fusion splice protectors**

This European Standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements, which a singlemode fusion splice protector must meet in order for it to be categorised as an EN standard product. Although in this document the product is qualified for EN 60793-2-50 type B1.1 and B1.3 singlemode fibres it may also be suitable for fusion splice protection of multimode fibre with 125 µm diameter glass cladding and other singlemode fibres with 125 µm diameter glass cladding at other wavelengths.

Keel en

#### **prEN 50551-2**

Identne prEN 50551-2:2010

Tähtaeg 30.05.2010

#### **Simplex and duplex cables to be used for cords - Part 2: Detailed Specification and minimum requirements for simplex ruggedized single mode cables to be used for patchcord/cords Category U**

This detailed specification describes parameters that can be considered for terminating the simplex ruggedized single mode cables with connectors in different communication applications of category U (uncontrolled).

Keel en

## **35 INFOTEHNOLOOGIA. KONTORISEADMED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TS 13141:2010**

Hind 219,00

Identne CEN ISO/TS 13141:2010

ja identne ISO/TS 13141:2010

#### **Electronic fee collection - Localisation augmentation communication for autonomous systems**

This Technical Specification establishes requirements for short-range communication for the purposes of augmenting the localisation in autonomous electronic fee collection (EFC) systems. Localisation augmentation serves to inform OBE about geographical location and the identification of a charge object. This Technical Specification specifies the provision of location and heading information and security means to protect from the manipulation of the OBE with false road-side equipment (RSE).

Keel en

**CLC/TR 50542:2010**

Hind 356,00

Identne CLC/TR 50542:2010

**Railway applications - Communication means between safety equipment and man-machine interfaces (MMI)**

This Technical Report defines, in accordance with the ERTMS/ETCS requirements: a) for each DMI function to be exchanged to and from the driver, including ETCS, STM: - performances needed; - degraded modes recovering; b) DMI Safety targets; c) communication system requirements: - real-time capability; - performances (bandwidth, etc.); - expansion capability; - RAMS; - applicable standards; - degraded modes; - degraded modes management; - interface with other systems; - LCC requirements.

Keel en

**CWA 15710:2010**

Hind 229,00

Identne CWA 15710:2010

**Metalex (Open XML Interchange Format for Legal and Legislative Resources)**

Keel en

Asendab CWA 15710:2007

**CWA 16076:2010**

Hind 166,00

Identne CWA 16076:2010

**ECTS Information Package/Course Catalogue MLO Application Profile**

This CEN Workshop Agreement defines refinements to the MLO Information Model for representing the ECTS IP/CC, based on best practice guidance offered to institutions seeking the honorary distinction of an ECTS Label1.

Keel en

**CWA 16077:2010**

Hind 124,00

Identne CWA 16077:2010

**Educational Credit Information Model**

This CWA defines the semantics of classes and properties used to represent Credits in electronic form. The definitions in this standard are primarily intended to be referenced by other bindings, specifications, and standards; for example, specifications representing learning opportunities and units of learning.

Keel en

**CWA 16078:2010**

Hind 219,00

Identne CWA 16078:2010

**Curriculum Exchange Format**

Learning resources can be found on the Internet or in a computer system. They are often stored in an organised way in repositories together with information about them. The information is called metadata and it helps to search, browse, filter and then retrieve additional information. Some of the keywords that are put into metadata can be based on words or phrases taken from real curricula so that learners and teachers can relate to them. Adding the identifiers of these terms or concepts to metadata and associating them with a resource, is called tagging. Curricula often have a tree like structure that presents topics and objectives in a particular way. This structure can be used to navigate or browse to the terms that are used in the metadata and so provide links to useful resources.

Keel en

**CWA 16093:2010**

Hind 377,00

Identne CWA 16093:2010

**Feasibility Study for a Global eBusiness Interoperability Test Bed (GITB)**

This document presents preliminary results of an on-going feasibility analysis for Global Interoperability Test Bed Methodologies (GITB) for eBusiness testing. While eBusiness scenarios are widely adopted by users in industry, governments and the public sector, it is still cumbersome for them to reach interoperability of eBusiness solutions and to achieve conformance with standards specifications. Previous experiences demonstrate the need for more advanced testing methodologies and practices which cope with the relevant set of standards for realizing comprehensive eBusiness scenarios (i.e. business processes and choreography, business documents and transport and communication), and a test bed addressing the specific requirements of multi-partner interactions.

Keel en

**CWA 16097:2010**

Hind 145,00

Identne CWA 16097:2010

**The Simple Publishing Interface (SPI) Specification**

This CEN Workshop Agreement (CWA) presents the Simple Publishing Interface (SPI), a protocol for publishing digital objects or their metadata to repositories. This protocol is designed to facilitate the transfer of metadata and content from tools that produce learning materials to applications that manage learning objects and metadata, but is also applicable to the publication of a wider range of digital objects.

Keel en

**CWA 16100:2010**

Hind 377,00

Identne CWA 16100:2010

**Guidelines for the design, implementation and operation of a product property server (ePPS)**

The goal of this CWA is to consider various aspects of ePPS (electronic product property servers) which are operated to support the management, distribution and maintenance of meta data dictionaries. In part 1, technical aspects and standards will be discussed, in part 2, organizational aspects like requirements for all kinds of workflows, the evaluations of business models comprising also draft licensing agreements, copyright management issues, etc. are addressed, and in part 3, the user aspects are discussed. To prepare this CWA, the following activities were accomplished.

Keel en

**EVS-EN ISO 11161:2007/A1:2010**

Hind 68,00

Identne EN ISO 11161:2007/A1:2010

ja identne ISO 11161:2007/Amd 1:2010

**Masinate ohutus. Integreeritud tootmissüsteemid. Põhinõuded (ISO 11161:2007)**

This International Standard specifies the safety requirements for integrated manufacturing systems (IMS) that incorporate two or more interconnected machines for specific applications, such as component manufacturing or assembly. It gives requirements and recommendations for the safe design, safeguarding and information for the use of such IMSs (see Figure 1 for the basic configuration of an IMS).

Keel en

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **CWA 15710:2007**

Identne CWA 15710:2007

#### **Metalex (Open XML Interchange Format for Legal and Legislative Resources)**

This document contains agreements about:

- the abstract content models supported by the standard,
- the way metadata is added to a document, and
- a generic model for organizing metadata in RDF.

It does not constitute a complete, workable XML standard.

Keel en

### **EVS-EN 61107:2002**

Identne EN 61107:1996

ja identne IEC 61107:1996

#### **Data exchange for meter reading, tariff and load control - Direct local data exchange**

Specifies hardware and protocol specifications for local systems. Deals with direct local systems, in which the hand held unit is connected to one tariff device only at a time.

Keel en

Asendatud EVS-EN 62056-21:2003

### **EVS-EN ISO/IEC 11172-2:1999**

Identne EN ISO/IEC 11172-2:1995

ja identne ISO/IEC 11172-2:1993

#### **Infotehnoloogia. Videosignaali ja sellega seotud helisignaali kodeerimine digitaalsele andmekandjale kiirusega kuni 1,5 Mbit/s. Osa 2: Video**

Standardi ISO/IEC 11172 käesolev osa spetsifitseerib digitaalse andmekandja jaoks kodeeritud videosignaali taasesituse ja esitab dekodeerimismeetodi. Taasesitus toetab normaalkiirusega taasesitust päri- ja tagasisuunas, samuti erifunktsioone, nagu näiteks esitus suv järjестuses, kiiresitus päri- ja tagasisuunas, normaalkiirusega esitus tagasisuunas, paus ja stoppkader. Standardi ISO/IEC 11172 käesolev osa on ühildatav standardse 525- ja 625-realise televiisoriformaadiga ja on personaalarvutite ning tööjaamade kuvaritega kasutamisel piisavalt paindlik.

Keel en

### **EVS-EN ISO/IEC 11172-3:1999**

Identne EN ISO/IEC 11172-3:1995

ja identne ISO/IEC 11172-3:1993

#### **Infotehnoloogia. Videosignaali ja sellega seotud helisignaali kodeerimine digitaalsele andmekandjale kiirusega kuni 1,5 Mbit/s. Osa 3: Helisignaali**

Standardi ISO/IEC 11172 käesolev osa spetsifitseerib kõrgekvaliteetse helisignaali esituse andmekandja jaoks ning esitab kõrgekvaliteetsete helisignaali dekodeerimismeetodi. Koodeeri sisend ja dekoodeeri väljund ühilduvad kehtivate PCM (impulssmodulatsiooni) standarditega, nagu näiteks laserplaadi ja digitaalheliliindi standardid. Standardi ISO/IEC 11172 käesolev osa on ette nähtud sellise digitaalse andmekandja rakendamiseks, mis tagaks nii audio- kui ka videosignaali, nagu näiteks CD-, DAT- ja kõvakettale summaarse pideva edastusmahu umbes 1,5 Mbit/s.

Keel en

### **EVS-EN ISO/IEC 11172-4:2001**

Identne EN ISO/IEC 11172-4:1996

ja identne ISO/IEC 11172-4:1995

#### **Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 4: Compliance testing**

This part of ISO/IEC 11172 specifies how tests can be designed to verify whether bitstreams and decoders meet requirements specified in part 1, 2, and 3 of ISO/IEC 11172, encoders are not addressed specifically.

Keel en

### **EVS-EN ISO/IEC 11172-1:1999**

Identne EN ISO/IEC 11172-1:1995

ja identne ISO/IEC 11172-1:1993

#### **Infotehnoloogia. Videosignaali ja sellega seotud helisignaali kodeerimine digitaalsele andmekandjale kiirusega kuni 1,5 Mbit/s. Osa 1: Süsteemid**

Standardi ISO/IEC 11172 käesolev osa spetsifitseerib kodeerimise süsteemikihi. Standard on loodud peamiselt standardites ISO/IEC 11172-2 ja ISO/IEC 11172-3 määratletud video- ja helikodeerimise kombinatsioonimeetodite toetamiseks. Süsteemikiht toetab viit põhifunktsiooni: a) tihendatud (andme)voogude sünkroniseerimine taasesitusel; b) tihendatud andmevoogude vahelduvpaigutus üheks vooks; c) puhverdamise lähtestamine taasesituse alustamiseks; d) puhvri pidev haldamine; e) aja identifitseerimine.

Keel en

### **EVS-EN ISO/IEC 11544:1999**

Identne EN ISO/IEC 11544:1995

ja identne ISO/IEC 11544:1993

#### **Infotehnoloogia. Kodeeritud kujutise ja heliinformatsiooni esitus. Kujutise progressiivne kahetasemeline tihendamine**

Standard esitab kujutise bititasandite bitisäilitusega (bitikadudeta) tihendusmeetodi ja on eriti sobiv kahetasemeliste (kahetooniliste, k.a. mustvalge) kujutiste korral rakendamiseks.

Keel en

### **EVS-EN ISO/IEC 13818-3:1999**

Identne EN ISO/IEC 13818-3:1996

ja identne ISO/IEC 13818-3:1995

#### **Infotehnoloogia. Videosignaali ja sellega seotud heliinformatsiooni üldkodeerimine. Osa 3: Helisignaali**

Käesolev standard spetsifitseerib standardi ISO/IEC 11172-3 laienduse madalamatele diskretiseerimissagedustele ja kodeeritud kõrgekvaliteetse mitmekanalilise ning mitmekeelse helisignaali esituseks ringhäälingule, andmeedastusele ja andmekandjale, ning meetodi kõrgekvaliteetsete mitmekanaliliste ja mitmekeelsete helisignaali dekodeerimiseks. Koodeeri sisend ja dekoodeeri väljund ühilduvad kehtivate PCM standarditega.

Keel en



### **EVS-EN ISO/IEC 13818-9:2001**

Identne EN ISO/IEC 13818-9:2000

ja identne ISO/IEC 13818-9:1996

#### **Information technology - Generic coding of moving pictures and associated audio information - Part 9: Extension for real time interface for systems decoders**

This part of ISO/IEC 13818 does not change or supersede any of the requirements in ISO/IEC 13818-1. All Transport Streams, whether or not they are delivered in accordance with the RTI shall comply with ISO/IEC 13818-1. In particular, the accuracy requirement in ISO/IEC 13818-1 for PCR in Transport Streams is not changed by the requirements of this part of ISO/IEC 13818. Compliance with this part of ISO/IEC 13818 is not required for compliance with ISO/IEC 13818-1.

Keel en

### **EVS-EN ISO/IEC 13818-1:1999**

Identne EN ISO/IEC 13818-1:1997

ja identne ISO/IEC 13818-1:1996

#### **Infotehnoloogia. Videosignaali ja sellega seotud heliinformatsiooni üldkodeerimine. Osa 1: Süsteemid**

Käesolev soovitus/rahvusvaheline standard esitab kodeerimise süsteemikihi. Standard on loodud peamiselt standardi ISO/IEC 13818 osades 2 ja 3 määratletud video- ja helikodeerimise meetodite kombinatsiooni toetamiseks.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN ISO/IEC 15438**

Identne FprEN ISO/IEC 15438:2010

ja identne ISO/IEC 15438:2006

Tähtaeg 30.05.2010

#### **Information technology - Automatic identification and data capture techniques - PDF417 bar code symbology specification**

This International Standard specifies the requirements for the bar code symbology known as PDF417. It specifies PDF417 symbology characteristics, data character encodation, symbol formats, dimensions, error correction rules, reference decoding algorithm, and a number of application parameters.

Keel en

Asendab EVS-EN ISO 15438:2003

#### **FprEN ISO/IEC 15419**

Identne FprEN ISO/IEC 15419:2010

ja identne ISO/IEC 15419:2009

Tähtaeg 30.05.2010

#### **Information technology - Automatic identification and data capture techniques - Bar code digital imaging and printing performance testing**

This International Standard describes the characteristics and defines categories of bar code digital imaging systems, identifies the attributes of each system which are required to be controlled, and specifies minimum requirements for those attributes. It defines test methods for assessing the conformance of those attributes with this International Standard. It is intended to be used in conjunction with International Standards which detail the methodology for assessing the quality of a bar code symbol, such as ISO/IEC 15416. This International Standard does not apply to Bar Code Masters, which are covered by ISO/IEC 15421.

Keel en

Asendab EVS-EN ISO/IEC 15419:2002

#### **FprEN ISO/IEC 15423**

Identne FprEN ISO/IEC 15423:2010

ja identne ISO/IEC 15423:2009

Tähtaeg 30.05.2010

#### **Information technology - Automatic identification and data capture techniques - Bar code scanner and decoder performance testing**

This International Standard defines the test equipment and procedures to be used to determine the performance of bar code scanning and decoding equipment. It deals with bar code scanning and decoding equipment both as integrated reading systems and as discrete units. It defines performance of the equipment in a particular configuration (e.g. a specific model) irrespective of the individual components used. It also defines in a normative annex operational parameters for the test equipment, and describes, in an informative annex, a means of classifying scanners.

Keel en

Asendab EVS-EN ISO/IEC 15423:2005

#### **prEN 14169-2**

Identne prEN 14169-2:2010

Tähtaeg 30.05.2010

#### **Protection Profile for Secure signature creation device - Part 2: Device with key generation**

This European Standard specifies a protection profile for a secure signature creation device that may generate signing keys internally: SSCD with key generation.

Keel en

#### **prEN 15722**

Identne prEN 15722:2010

Tähtaeg 30.05.2010

#### **Road transport and traffic telematics - ESafety - ECall minimum set of data**

This European Standard defines the standard data concepts that comprise the "Minimum Set of Data" to be transferred from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency via an 'eCall' communication session.

Keel en

Asendab CEN/TS 15722:2009

#### **prEN 16062**

Identne prEN 16062:2010

Tähtaeg 30.05.2010

#### **Intelligent transport systems - ESafety - ECall high level application requirements (HLAP)**

In respect of 'Pan European' eCall (operating requirements defined in EN xxxxxx Intelligent transport systems- eCall- Pan European eCall operating requirements), this European Standard defines the high level application protocols, procedures and processes required to provide the eCall service using a TS12 emergency call over a mobile communications network. The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same quality of services objectives by using a mobile telecommunication network (e.g. GSM) which supports the European harmonised 112/E112 emergency number (TS12 ETSI TS 122 003) and to provide a means of manually triggering the notification of an emergency incident.

Keel en

## prEN 16072

Identne prEN 16072:2010

Tähtaeg 30.05.2010

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

The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same Quality of Services objectives by using a mobile telecommunication network (e.g. GSM) which supports the European pre-assigned emergency destination address (TS12 [Ref.11])(See [Ref.5, Ref.6, Ref.7, Ref.8, Ref.9]), and to provide a means of manually triggering the notification of an incident. This European Standard defines the general operating requirements and intrinsic procedures for in-vehicle emergency call (eCall) services in order to transfer an emergency message from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency, via an 'eCall' communication session and to establish a voice channel between the in-vehicle equipment and the PSAP.

Keel en

## 43 MAANTEESÕIDUKITE EHITUS

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 16054**

Identne prEN 16054:2010

Tähtaeg 30.05.2010

### **BMX bicycles - Safety requirements and test methods**

This European standard specifies safety and performance requirements for the design, assembly and testing of BMX bicycles and sub-assemblies intended for use in any type of location such as roads and/or tracks and/or ramps. It applies to specialized types of bicycle designed and equipped for activities such as acrobatic ground manoeuvres, stunting and aerobatic manoeuvres and lays down guidelines for instructions on the use and care of such BMX bicycles.

Keel en

#### **prEN 16072**

Identne prEN 16072:2010

Tähtaeg 30.05.2010

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

The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same Quality of Services objectives by using a mobile telecommunication network (e.g. GSM) which supports the European pre-assigned emergency destination address (TS12 [Ref.11])(See [Ref.5, Ref.6, Ref.7, Ref.8, Ref.9]), and to provide a means of manually triggering the notification of an incident. This European Standard defines the general operating requirements and intrinsic procedures for in-vehicle emergency call (eCall) services in order to transfer an emergency message from a vehicle to a 'Public Safety Answering Point' (PSAP) in the event of a crash or emergency, via an 'eCall' communication session and to establish a voice channel between the in-vehicle equipment and the PSAP.

Keel en

## 45 RAUDTEETEHNIKA

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TR 50542:2010**

Hind 356,00

Identne CLC/TR 50542:2010

### **Railway applications - Communication means between safety equipment and man-machine interfaces (MMI)**

This Technical Report defines, in accordance with the ERTMS/ETCS requirements: a) for each DMI function to be exchanged to and from the driver, including ETCS, STM: - performances needed; - degraded modes recovering; b) DMI Safety targets; c) communication system requirements: - real-time capability; - performances (bandwidth, etc.); - expansion capability; - RAMS; - applicable standards; - degraded modes; - degraded modes management; - interface with other systems; - LCC requirements.

Keel en

#### **CLC/TS 50537-3:2010**

Hind 188,00

Identne CLC/TS 50537-3:2010

### **Railway applications - Mounted parts of the traction transformer and cooling system -- Part 3: Water pump for traction converters**

This Technical Specification covers requirements for centrifugal and peripheral electric pumps which generate the circulation of cooling liquid in converters of rail vehicles and their associated cooling system. The pumps covered in this Technical Specification are rotodynamic pumps driven by canned motors or magnetically coupled motors. CLC/TS 50537-3 gives consideration to both technical and normative requirements of the railway environment and restricts the variety provided by industry-wide standards for pumps (for example EN 50216-7, EN 733 and EN ISO 9906). It determines requirements and tests enabling the interchangeability especially regarding electrical, mechanical and hydraulic interfaces. Furthermore, service conditions are described.

Keel en

**CLC/TS 50537-1:2010**

Hind 155,00

Identne CLC/TS 50537-1:2010

**Railway applications - Mounted parts of the traction transformer and cooling system -- Part 1: HV bushing for traction transformers**

This Technical Specification is applicable to high voltage (HV) bushings, intended for use in traction transformers of rail vehicles, cooled by insulating liquid with rated voltages up to 25 kV single phase and rated currents up to 630 A at frequencies from 16,7 Hz to 60 Hz. HV bushings within the scope of this Technical Specification are bushings for separable connectors that connect the power supply coming from a contact wire or from a contact rail to the primary winding of the traction transformer. The Technical Specification only deals with HV bushings that are mounted to the transformer. CLC/TS 50537-1 gives consideration to both technical and normative requirements of the railway environment and restricts the variety provided by industry-wide standards for bushings, such as EN 50180 and EN 60137. It determines requirements and tests enabling the interchangeability especially regarding electrical and mechanical interfaces. Furthermore, service conditions are described. The cable plug as the counterpart of the HV bushing's plug-in end is not covered by this Technical Specification.

Keel en

**CLC/TS 50537-2:2010**

Hind 188,00

Identne CLC/TS 50537-2:2010

**Railway applications - Mounted parts of the traction transformer and cooling system -- Part 2: Pump for insulating liquid for traction transformers and reactors**

This Technical Specification covers requirements for electric pumps which generate the circulation of insulation liquid in traction transformers and reactors of rail vehicles and their associated cooling system. The pumps covered by this Technical Specification are rotodynamic pumps driven by a squirrel cage induction motor which is immersed in the insulating liquid. CLC/TS 50537-2 gives consideration to both technical and normative requirements of the railway environment and restricts the variety provided by industry-wide standards for pumps (for example EN 50216-7 and EN ISO 9906). It determines requirements and tests enabling the interchangeability especially regarding electrical, mechanical and hydraulic interfaces. Furthermore, service conditions are described.

Keel en

**CLC/TS 50537-4:2010**

Hind 135,00

Identne CLC/TS 50537-4:2010

**Railway applications - Mounted parts of the traction transformer and cooling system - Part 4: Gas and liquid actuated (Buchholz) relay for liquid immersed transformers and reactors with conservator for rail vehicles**

This Technical Specification covers gas and liquid actuated (Buchholz) relays for liquid immersed transformers and reactors with conservator for rail vehicles. The device is intended to detect • gas release from the unit to be protected, • cooling liquid surge from the protected unit to the conservator, • complete loss of the cooling liquid in the conservator. This Technical Specification gives consideration to both technical and normative requirements of the railway environment and restricts the variety in particular provided by the industry-wide standard EN 50216-2. It determines requirements and tests enabling the interchangeability of Buchholz relays by defining the following types of interfaces: • mechanical interface, e.g. flanges for pipe connection, dimensions; • electrical interface, e.g. supply voltage for making and breaking capability; • functional interface, e.g. protective operational behaviour. It is not applicable to flameproof relays. Different liquids may be used, which are typically used for both cooling and insulating. Furthermore, operating conditions are described.

Keel en

**EVS-EN 12663-1:2010**

Hind 219,00

Identne EN 12663-1:2010

**Railway applications - Structural requirements of railway vehicle bodies - Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons)**

This European Standard specifies minimum structural requirements for railway vehicle bodies. This European Standard specifies the loads vehicle bodies should be capable of sustaining, identifies how material data should be used and presents the principles to be used for design validation by analysis and testing. This European Standard applies to locomotives and passenger rolling stock. EN 12663-2 provides the verification procedure for freight wagons and also refers to the methods in this standard as an alternative for freight wagons. The railway vehicles are divided into categories which are defined only with respect to the structural requirements of the vehicle bodies. Some vehicles may not fit into any of the defined categories; the structural requirements for such railway vehicles should be part of the specification and be based on the principles presented in this European Standard. The standard applies to all railway vehicles within the EU and EFTA territories. The specified requirements assume operating conditions and circumstances such as are prevalent in these countries. In addition to the requirements of this European Standard the structure of all vehicles associated with passenger conveyance may generally be required to have features that will protect occupants in the case of collision accidents. These requirements are given in EN 15227.

Keel en

**EVS-EN 14067-6:2010**

Hind 356,00

Identne EN 14067-6:2010

**Raudteelased rakendused. Aerodünaamika. Osa 6: Nõuded ja testprotseduurid külgtuule hindamiseks**

This European Standard applies to the cross wind assessment of railways taking into consideration the recommendations given in Annex M on the application of the standard (migration rule). The methods presented have been applied to passenger vehicles with a maximum speed up to 360 km/h and to freight vehicles with a maximum speed up to 160 km/h. This European Standard applies to coaches, multiple units, freight wagons, locomotives and power cars.

Keel en

**EVS-EN 15273-2:2010**

Hind 442,00

Identne EN 15273-2:2009

**Raudteelased rakendused. Gabariidid. Osa 2: Raudteeveeremi gabariit**

This document is applicable by the authorities involved in all types of railway operation. This European Standard is applicable to new designs, to modifications and to the checking of the gauge for vehicles already in use. The application of the rules of this European Standard makes it possible to determine the maximum dimensions of vehicles related to the structures. The rules given in this standard are not applicable to vehicles guided by a single rail. This European Standard contains: - the associated rules for all the gauges for rolling stock; - the requirements for composing the technical gauge report to submit to the Acceptance Authority in order to confirm vehicle conformity to this standard; - the requirements for maintaining the vehicle characteristics influencing gauging throughout its operational life.

Keel en

**EVS-EN 15273-3:2010**

Hind 377,00

Identne EN 15273-3:2009

**Railway applications - Gauges - Part 3: Structure gauges**

This standard: - defines the various profiles needed to install, verify and maintain the various structures near the structure gauge; - lists the various phenomena to be taken into account to determine the structure gauge; - defines a methodology that may be used to calculate the various profiles from these phenomena; - lists the rules to determine the distance between the track centres; - lists the rules to be complied with when building the platforms; - lists the rules to determine the pantograph gauge; - lists the formulae needed to calculate the structure gauges in the catalogue.

Keel en

**EVS-EN 15663:2009/AC:2010**

Hind 0,00

Identne EN 15663:2009/AC:2010

**Raudteelased rakendused. Veeremi lähtekaalu määratlemine**

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 62290-2**

Identne FprEN 62290-2:2010

ja identne IEC 62290-2:201X

Tähtaeg 30.05.2010

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

This part of IEC 62290 deals with the functional requirements specification of UGTMS (Urban Guided Transport Management and Command/Control Systems). In this part 2 of the standard, the functional requirements set the framework to which detailed functions should be added to define any complete application, either generic or specific. Because of that, this part of the standard is not intended to be used as a basis for the definition of complete SRS, FIS nor FFFIS.

Keel en

**prEN 50553**

Identne prEN 50553:2010

Tähtaeg 30.05.2010

**Railway applications - Requirements for running capability in case of fire on board of rolling stock**

This European Standard defines the fire conditions for which it is reasonable to expect trains to continue to run in a controlled manner and defines requirements which assure this "running capability". The standard recognises fire conditions for which it is not necessary to define running capability requirements as there is no potential for serious injury or threat to life. The standard recognises fire conditions for which it is not reasonably practicable to define requirements due to the exceptional nature of the fire incident.

Keel en

**prEN ISO 3095**

Identne prEN ISO 3095:2010

ja identne ISO/DIS 3095:2010

Tähtaeg 30.05.2010

**Raudteelased rakendused. Akustika.****Raudteeveeremi tekitatud müra mõõtmine**

This European Standard specifies the measurement method and conditions to obtain reproducible and comparable exterior noise emission levels and spectra for all kinds of railbound vehicles operating on rails or other types of fixed track, hereinafter conventionally called "unit". This standard is applicable to type testing of units. It does not include all the instructions to characterize the noise emission of the other infrastructure related sources (bridges, crossings, switching, impact noise, curving noise, etc),

Keel en

Asendab EVS-EN ISO 3095:2007

## 47 LAEVAEHITUS JA MERE-EHITISED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 15869-1:2010**

Hind 105,00

Identne EN 15869-1:2010

#### **Inland navigation vessels - Electrical shore connection, three-phase current 400 V, up to 63 A, 50 Hz - Part 1: General requirements**

This European Standard specifies requirements applicable to equipment for shore-to-vessel supply of three-phase 400 V electrical power up to 63 A and a frequency of 50 Hz to berthed inland navigation vessels. This part of the European Standard specifies general requirements and contains information on the settlement method.

Keel en

#### **EVS-EN 15869-2:2010**

Hind 114,00

Identne EN 15869-2:2010

#### **Inland navigation vessels - Electrical shore connection, three-phase current 400 V, up to 63 A, 50 Hz - Part 2: Onshore unit, safety requirements**

This European Standard specifies requirements applicable to equipment for shore-to-vessel supply of three-phase 400 V electrical power up to 63 A and a frequency of 50 Hz to berthed inland navigation vessels. This part of the European Standard specifies safety requirements for the onshore unit of the electrical shore connection. This part of the European Standard applies only to the supply of inland navigation vessels in ports and berths for commercial shipping. Supply stations for leisure craft and houseboats in marinas or similar locations have to meet the requirements of IEC 60364-7-709. For low-voltage electrical installations, the requirements specified in the HD 60364 and HD 384 series are applicable generally. The requirements in this part of EN 15869 supplement, amend or supersede some of the requirements in HD 60364/HD 384 Parts 1 to 6. Where no requirements are given in this part of EN 15869, the requirements specified in the HD 60364 and HD 384 are applicable; a detailed list is given in the Bibliography.

Keel en

#### **EVS-EN 15869-3:2010**

Hind 114,00

Identne EN 15869-3:2010

#### **Inland navigation vessels - Electrical shore connection, three phase current 400 V, up to 63 A, 50 Hz - Part 3: On-board unit, safety requirements**

This European Standard specifies requirements applicable to equipment for shore-to-vessel supply of three-phase 400 V electrical power up to 63 A and a frequency of 50 Hz to berthed inland navigation vessels. This part of the European Standard specifies safety requirements for the connection cable and the on-board unit of the electrical shore connection.

Keel en

## ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 60936:2002**

Identne EN 60936:1993

ja identne IEC 60936:1988

#### **Shipborne radar - Operational and performance requirements - Methods of test and required test results**

Specifies the performance and type testing of shipborne radar required by Regulation 12 of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS) 1974.

Keel en

Asendatud EVS-EN 60936-1:2002

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 2240-004:2010**

Hind 80,00

Identne EN 2240-004:2010

#### **Aerospace series - Lamps, incandescent - Part 004: Lamp, code 47 - Product standard**

This document specifies the required characteristics for lamp, code 47, for aerospace applications. It shall be used together with EN 2756.

Keel en

#### **EVS-EN 2240-010:2010**

Hind 80,00

Identne EN 2240-010:2010

#### **Aerospace series - Lamps, incandescent - Part 010: Lamp, code 84 - Product standard**

This document specifies the required characteristics for lamp, code 84, for aerospace applications. It shall be used together with EN 2756.

Keel en

#### **EVS-EN 2240-011:2010**

Hind 80,00

Identne EN 2240-011:2010

#### **Aerospace series - Lamps, incandescent - Part 011: Lamp, code 85 - Product standard**

This European Standard specifies the required characteristics for lamp, code 85, for aerospace applications. It shall be used together with EN 2756.

Keel en

#### **EVS-EN 2240-012:2010**

Hind 80,00

Identne EN 2240-012:2010

#### **Aerospace series - Lamps, incandescent - Part 012: Lamp, code 95 - Product standard**

This standard specifies the required characteristics for lamp, code 95, for aerospace applications. It shall be used together with EN 2756.

Keel en

#### **EVS-EN 2240-013:2010**

Hind 80,00

Identne EN 2240-013:2010

#### **Aerospace series - Lamps, incandescent - Part 013: Lamp, code 301 - Product standard**

This standard specifies the required characteristics for lamp, code 301, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-014:2010**

Hind 80,00

Identne EN 2240-014:2010

**Aerospace series - Lamps, incandescent - Part 014: Lamp, code 303 - Product standard**

This standard specifies the required characteristics for lamp, code 303, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-015:2010**

Hind 80,00

Identne EN 2240-015:2010

**Aerospace series - Lamps, incandescent - Part 015: Lamp, code 304 - Product standard**

This European Standard specifies the required characteristics for lamp, code 304, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-016:2010**

Hind 80,00

Identne EN 2240-016:2010

**Aerospace series - Lamps, incandescent - Part 016: Lamp, code 305 - Product standard**

This European Standard specifies the required characteristics for lamp, code 305, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-017:2010**

Hind 80,00

Identne EN 2240-017:2010

**Aerospace series - Lamps, incandescent - Part 017: Lamp, code 306 - Product standard**

This European Standard specifies the required characteristics for lamp, code 306, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-018:2010**

Hind 80,00

Identne EN 2240-018:2010

**Aerospace series - Lamps, incandescent - Part 018: Lamp, code 307 - Product standard**

This European Standard specifies the required characteristics for lamp, code 307, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-019:2010**

Hind 80,00

Identne EN 2240-019:2010

**Aerospace series - Lamps, incandescent - Part 019: Lamp, code 308 - Product standard**

This standard specifies the required characteristics for lamp, code 308, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2240-020:2010**

Hind 80,00

Identne EN 2240-020:2010

**Aerospace series - Lamps, incandescent - Part 020: Lamp, code 311 - Product standard**

This standard specifies the required characteristics for lamp, code 311, for aerospace applications. It shall be used together with EN 2756.

Keel en

**EVS-EN 2756:2010**

Hind 124,00

Identne EN 2756:2010

**Aerospace series - Lamps, incandescent - Test methods**

This standard specifies the test methods for incandescent lamps used for aerospace applications. It concerns lamps used for lighting and/or for interior or exterior signalling.

Keel en

**EVS-EN 2863:2010**

Hind 92,00

Identne EN 2863:2010

**Aerospace series - Nuts, anchor, self-locking, fixed, 90° corner, with counterbore, in heat resisting steel, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of 90° corner, counterbored fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated. Classification: 1 100 MPa 1) / 315 °C 2).

Keel en

**EVS-EN 3227:2010**

Hind 92,00

Identne EN 3227:2010

**Aerospace series - Nuts, hexagonal, plain, normal height, normal across flats, in steel, cadmium plated, left hand thread - Classification : 1 100 MPa (at ambient temperature) / 235 °C**

This standard specifies the characteristics of plain, hexagonal nuts, normal height, normal across flats, with left hand thread, in steel, cadmium plated. Classification : 1 100 MPa 1) / 235 °C 2).

Keel en

**EVS-EN 3228:2010**

Hind 92,00

Identne EN 3228:2010

**Aerospace series - Nuts, hexagonal, plain, reduced height, normal across flats, in steel, cadmium plated - Classification: 900 MPa (at ambient temperature) / 235 °C**

This standard specifies the characteristics of plain, hexagonal nuts, reduced height, normal across flats, in steel, cadmium plated. Classification: 900 MPa1) / 235 °C2).

Keel en

**EVS-EN 3435:2010**

Hind 92,00

Identne EN 3435:2010

**Aerospace series - Nuts, anchor, self-locking, floating, two lug, reduced series, with counterbore, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of two lug, reduced series, counterbored floating anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated. Classification: 1 100 MPa1) / 315 °C2).

Keel en

**EVS-EN 3537:2010**

Hind 92,00

Identne EN 3537:2010

**Aerospace series - Nuts, anchor, self-locking, fixed, two lug, with counterbore, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature)/315 °C**

This standard specifies the characteristics of two lug, counterbored fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated.

Classification: 1 100 MPa 1) / 315 °C 2)

Keel en

**EVS-EN 3538:2010**

Hind 92,00

Identne EN 3538:2010

**Aerospace series - Nuts, anchor, self-locking, fixed, two lug, reduced series, with counterbore, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature)/315 °C**

This European Standard specifies the characteristics of two lug, reduced series, counterbored fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated. Classification: 1 100 MPa 1) / 315 °C 2)

Keel en

**EVS-EN 3539:2010**

Hind 92,00

Identne EN 3539:2010

**Aerospace series - Nuts, anchor, self-locking, one lug, fixed, with counterbore, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of one lug counterbored fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated.

Classification: 1 100 MPa 1) / 315 °C 2).

Keel en

**EVS-EN 3653:2010**

Hind 92,00

Identne EN 3653:2010

**Aerospace series - Nuts, anchor, self-locking, floating, self-aligning, one lug, in steel, cadmium plated, MoS2 lubricated - Classification: 900 MPa (at ambient temperature) / 235 °C**

This standard specifies the characteristics of one lug, floating, self-aligning anchor nuts with a self-locking feature achieved by forming the upper portion out of round, in steel, cadmium plated, MoS2 lubricated.

Classification: 900 MPa1) / 235 °C2).

Keel en

**EVS-EN 3750:2010**

Hind 92,00

Identne EN 3750:2010

**Aerospace series - Nuts, anchor, self-locking, fixed, 90° corner, reduced series, with counterbore, in heat resisting steel, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of 90° corner, reduced series, counterbored fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in heat resisting steel, MoS2 lubricated. Classification: 1 100 MPa1) / 315 °C2).

Keel en

**EVS-EN 3753:2010**

Hind 92,00

Identne EN 3753:2010

**Aerospace series - Nuts, anchor, self-locking, fixed, 60° corner, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 235 °C**

This standard specifies the characteristics of 60° corner, counterbore fixed anchor nuts, with a self-locking feature achieved by forming the upper portion out-of-round, in alloy steel, cadmium plated, MoS2 lubricated.

Classification: 1 100 MPa 1) / 235 °C 2)

Keel en

**EVS-EN 3763:2010**

Hind 105,00

Identne EN 3763:2010

**Aerospace series - Nuts, hexagonal, self-locking, ball seat, in heat resisting steel, MoS2 lubricated - Classification: 900 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of self-locking hexagonal nuts with ball seat in heat resisting steel, MoS2 lubricated. Classification: 900 MPa1) / 315 °C2). They are intended to be used with washers to EN 3764 or suitable parts, see Annex A.

Keel en

**EVS-EN 3834:2010**

Hind 92,00

Identne EN 3834:2010

**Aerospace series - Nuts, anchor, self-locking, floating, two lug, incremental counterbore, in corrosion resisting steel, MoS2 lubricated - Classification: 900 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of self-locking, floating, two lug anchor nuts, with incremental counterbore, in corrosion resisting steel, MoS2 lubricated. Classification: 900 MPa1) / 315 °C2).

Keel en

**EVS-EN 4125:2010**

Hind 92,00

Identne EN 4125:2010

**Aerospace series - Nuts, anchor, self-locking, fixed, two lug, reduced series, with incremental counterbore, in heat resisting steel, MoS2 lubricated - Classification: 900 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of self-locking two lug, reduced series, incremental counterbored fixed anchor nuts, in heat resisting steel, MoS2 lubricated. Classification: 900 MPa1) / 315 °C2).

Keel en

**EVS-EN 4126:2010**

Hind 92,00

Identne EN 4126:2010

**Aerospace series - Nuts, anchor, self-locking, floating, two lug, reduced series, with incremental counterbore, in heat resisting steel, MoS2 lubricated - Classification: 900 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of miniature self-locking two lug, reduced series, incremental counterbored floating anchor nuts, in heat resisting steel, MoS2 lubricated. Classification: 900 MPa1) / 315 °C2).

Keel en

## **EVS-EN 4645-001:2010**

Hind 219,00

Identne EN 4645-001:2010

### **Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder - Part 001: Technical specification**

This standard specifies the general characteristics, the conditions for qualification, acceptance and quality assurance, as well as the test programs and groups for threaded ring coupling circular fibre optic self-locking connectors, fire-resistant or non fire-resistant, intended for use in a temperature range from – 65 °C to 150 °C continuous.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 3238**

Identne FprEN 3238:2010

Tähtaeg 30.05.2010

### **Aerospace series - Metallic materials - Test method - Shear test for wires and rivets**

This standard specifies the requirements for shear testing rivet wire and rivets in metallic materials for aerospace applications. It shall be applied when referred to in the EN technical specification or material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

### **FprEN 3264**

Identne FprEN 3264:2010

Tähtaeg 30.05.2010

### **Aerospace series - Pipe coupling 8°30' in titanium alloy - Thrust wire nuts**

This standard specifies the characteristics of thrust wire nuts for pipe couplings 8°30', in titanium alloy, for aerospace applications. Nominal pressure: up to 28 000 kPa. Temperature range: – 55 °C to 135 °C.

Keel en

Asendab EVS-EN 3264:2002

### **FprEN 3838**

Identne FprEN 3838:2010

Tähtaeg 30.05.2010

### **Aerospace series - Requirements and tests on user-applied markings on aircraft electrical cables**

This European Standard specifies tests that shall be performed on markings applied by the user to ensure that their durability is satisfactory and that, after application of markings directly to the cable insulation, jacket or sheath, the cable will meet the performance requirements laid down.

Keel en

## **FprEN 4473**

Identne FprEN 4473:2010

Tähtaeg 30.05.2010

### **Aerospace series - Aluminium pigmented coatings for fasteners - Technical specification**

This European Standard defines the qualification test conditions for aluminium pigmented coatings applicable to fasteners in titanium, titanium alloys, nickel base alloys and corrosion resisting steels. The aluminium pigmented coatings are not applicable to fasteners in non-corrosion resistant steels. Temperature class: 315 °C 1) Type I : Coating with chromate and a cetyl alcohol lubricant. Type II : Coating without chromate and an cetyl alcohol lubricant. Type III : Coating with chromate, no additional lubricant. Type IV : Coating without chromate, no additional lubricant.

Keel en

### **FprEN 9104-003**

Identne FprEN 9104-003:2010

Tähtaeg 30.05.2010

### **Aerospace series - Quality management systems - Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification**

This European Standard provides the minimum requirements (Body of Knowledge) for AQMS Auditors who will participate in AQMS Certification/registration activities including Auditor Authentication process and for training organization. It is applicable to auditors seeking formal approval to conduct audits of the AQMS systems under the IAQG and those who manage the competency element of an AQMS audit program and to training organizations.

Keel en

Asendatud EVS-EN 9104-003:2009

### **FprEN 9110**

Identne FprEN 9110:2010

Tähtaeg 30.05.2010

### **Quality Management Systems - Requirements for Aviation Maintenance Organizations**

This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9110:2006



## **prEN 1915-1**

Identne prEN 1915-1:2010

Tähtaeg 30.05.2010

### **Õhusõidukite maapealsed teenindusseadmed .**

#### **Üldnõuded. Osa 1: Põhilised ohutusnõuded**

This European Standard applies to GSE when used in civil air transport as intended by the manufacturer and contains safety requirements relating to the equipment in general. This Part of EN 1915 deals with the technical requirements to minimize the hazards listed in clause 4 which can arise during operation and maintenance of GSE as intended by the manufacturer or his authorised representative. This Part of EN 1915 is intended to be used in conjunction with EN 1915-2, EN 1915-3 (for vehicles) and EN 1915-4, and with the relevant part of EN 12312. Where not specified in EN 12312, EN 1915-1 applies. This Part of EN 1915 does not apply to automotive parts approved for public vehicles in the EU and EFTA, when used on GSE for the purpose for which they are designed.

Keel en

Asendab EVS-EN 1915-1:2001+A1:2009

## **prEN 12312-1**

Identne EN 12312-1:2010

Tähtaeg 30.05.2010

### **Õhusõidukite maapealsed teenindusseadmed.**

#### **Erinõuded. Osa 1: Reisijate trepid**

This Part of EN 12312 deals with the technical requirements to minimise the hazards listed in Clause 4 which can arise during the commissioning, the operation and the maintenance of passenger stairs when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognized as essential by the health and safety authorities, aircraft and vehicle manufacturers as well as airlines and handling agencies.

Keel en

Asendab prEN 12312-1

## **prEN 12312-9**

Identne prEN 12312-9:2010

Tähtaeg 30.05.2010

### **Õhusõidukite maapealsed teenindusseadmed.**

#### **Erinõuded. Osa 9: Konteinerite/aluste laadimisseadmed**

This document specifies the technical requirements to minimise the hazards listed in Clause 4 which can arise during the commissioning, operation and maintenance of container/pallet loaders when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some performance requirements recognised as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies.

Keel en

Asendab prEN 12312-9

## **53 TÕSTE- JA TEISALDUS-SEADMED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TS 13001-3-5:2010**

Hind 295,00

Identne CEN/TS 13001-3-5:2010

#### **Cranes - General design - Part 3-5: Limit states and proof of competence of forged hooks**

This Technical Specification should be used together with the other relevant parts of the standard series. As such, they specify general conditions, requirements and methods to prevent hazards in hooks as part of all types of cranes. This Technical Specification covers the following parts of hooks and types of hooks: - bodies of any type of point hooks made of steel forgings; - machined shanks of hooks with a thread/nut suspension.

Keel en

#### **EVS-EN 13000:2010**

Hind 336,00

Identne EN 13000:2010

#### **Kraanad. Liikurkraanad**

This European Standard is applicable to the design, construction, installation of safety devices, information for use, maintenance and testing of mobile cranes as defined in ISO 4306-2 with the exception of loader cranes (see 3.1.1 of EN 12999:2002). Examples of mobile crane types and of their major parts are given in Annexes A and B. This standard does not cover hazards related to the lifting of persons. NOTE The use of mobile cranes for the lifting of persons is subject to specific national regulations. Mobile cranes covered by this European Standard are designed for a limited number of stress cycles and particular properties of motions, e.g. smooth application of the driving forces and loading conditions according to ISO 4301-2:1985, group A1. For a duty cycle such as grab, magnet or similar work, additional provisions are required which are outside the scope of this European Standard. The hazards covered by this European Standard are identified by Annex C. This document is not applicable to mobile cranes which are manufactured before the date of publication of this document by CEN.

Keel en

Asendab EVS-EN 13000:2004

## **EVS-EN 14658:2005+A1:2010**

Hind 198,00

Identne EN 14658:2005+A1:2010

### **Pidevoimega teisaldusseadmed ja süsteemid. Pealmaa-pruunsöekaevetöödel kasutatavate pidevoimega seadmete üldised ohutusnõuded**

This European Standard applies to mechanical continuous handling equipment used in opencast lignite mines and the particular mechanical continuous handling equipment used: - to convey lignite or overburden from opencast mines; - to convey residuals and tailings from lignite processing to opencast mines; - to convey lignite, overburden or lignite treatment processing residuals and tailings from one opencast mine to another. This standard applies to continuous handling equipment operating in delimited site areas that are off-limits to the public and accessible only to authorized persons. It specifies the safety requirements for stationary, mobile and shiftable continuous handling equipment designed to transport bulk goods by continuous movement from a loading point to a discharge point. The standard considers the significant hazards that arise during the use, movement and shifting of continuous handling equipment, as well as the measures for eliminating or reducing these hazards provided the continuous handling equipment is used as intended and the remaining risk is foreseen and taken into account by the manufacturer. A complete list of all the hazards specified in EN 1050 is given in Annex A (normative). The requirements of this standard do not apply to equipment and systems manufactured and put into operation before the publication date of this standard.

Keel en

Asendab EVS-EN 14685:2005

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 13000:2004**

Identne EN 13000:2004

#### **Kraanad. Liikurkraanad**

This European Standard is applicable to the design, construction, installation of safety devices, information for use, maintenance and testing of mobile cranes as defined in ISO 4306-2 with the exception of loader cranes (see 3.1.1 of EN 12999:2002). Examples of mobile crane types and of their major parts are given in annex A and B.

Keel en

Asendatud EVS-EN 13000:2010

### **EVS-EN 14658:2005**

Identne EN 14658:2005

### **Pidevoimega teisaldusseadmed ja süsteemid. Pealmaa-pruunsöekaevetöödel kasutatavate pidevoimega seadmete üldised ohutusnõuded**

This European Standard applies to mechanical continuous handling equipment used in opencast lignite mines and the particular mechanical continuous handling equipment used: - to convey lignite or overburden from opencast mines; - to convey residuals and tailings from lignite processing to opencast mines; - to convey lignite, overburden or lignite treatment processing residuals and tailings from one opencast mine to another.

Keel en

Asendatud EVS-EN 14658:2005+A1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 3691-3**

Identne prEN ISO 3691-3:2010

ja identne ISO/DIS 3691-3:2010

Tähtaeg 30.05.2010

### **Industrial trucks - Safety requirements and verification - Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads**

1.1 This International standard is applicable, in addition to ISO 3691-1, to industrial trucks with vertical, non tilting mast: a) with an elevating operator position, as defined in 3.1.3.1.6 and 3.1.3.3 of ISO 5053, where the elevating operator position and the load handling device lifts to a height of more than 1 200 mm above ground level and b) designed to travel with a load handling device elevated more than 1 200 mm above floor level as defined in 3.1.3.1.9 and 3.1.3.1.10 of ISO 5053. The load handling device can be elevated, lowered or laterally displaced, laden or unladen, while the truck is travelling. These trucks are designed to travel indoors on smooth, levelled and prepared surface and can be used guided, unguided or both, and are not intended to tow or push. All regional requirements for this International Standard can be found, and used in conjunction with, ISO/TS 3691-7 requirements for Europe and ISO/TS 3691-8 for requirements outside Europe.

Keel en

Asendab EVS-EN 1726-1:1999; EVS-EN 1459:1998+A2:2010; EVS-EN 1726-2:2001

## **55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID**

### **UUED STANDARDID JA PUBLIKATSIOONID**

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

Hind 59,00

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

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele**

Deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase and 480 V for other appliances. Examples of appliances that are within the scope of this standard are bulk tea or coffee brewing machines, cigarette, hot and cold beverage, newspaper, audio or video tape or disc vending machines, ice cream, whipped cream and ice dispensers, commercial liquid heaters, espresso coffee appliances and packaged food and drink vending machines

Keel en

Asendab EVS-EN 60335-2-63:2001

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 15387**

Identne prEN 15387:2010

Tähtaeg 30.05.2010

#### **Packaging - Flexible laminate tubes - Test methods to assess the strength of the side seam**

This standard specifies methods for the determination of the strength of the side seam of flexible laminate tubes. It is applicable to flexible laminate tubes used for packing pharmaceutical, cosmetic, hygiene, food and other household products.

Keel en

### **FprEN 60264-4-1**

Identne FprEN 60264-4-1:2010

ja identne EC 60264-4-1:1997+A1:2009

Tähtaeg 30.05.2010

#### **Packaging of winding wires - Part 4: Methods of test - Section 1: Delivery spools made from thermoplastic material**

This part of IEC 60264 defines methods of test for delivery spools for winding wires made from thermoplastic materials in order to determine conformity with the established performance requirements for their properties.

Keel en

Asendab EVS-EN 60264-4-1:2003

### **FprEN ISO 4180**

Identne FprEN ISO 4180:2010

ja identne ISO 4180:2009

Tähtaeg 30.05.2010

#### **Packaging - Complete, filled transport packages - General rules for the compilation of performance test schedules**

This International Standard establishes general rules to be used for the compilation of performance test schedules for complete, filled transport packages intended for use within any distribution system except for the packages used for dangerous goods. For a known distribution environment with experimental data available (case 1), this International Standard provides guide lines for the compilation of appropriate test schedules. For an unknown distribution environment (case 2), this International Standard provides test schedules in dependence of the test specimen mass and forecast destination. This International Standard also gives the factors to be considered in assessing the criteria of acceptance of such packages after they have been subjected to a package performance test schedule.

Keel en

Asendab EVS-EN 24180-1:2003; EVS-EN 24180-2:2003

### **prEN 16063**

Identne prEN 16063:2010

Tähtaeg 30.05.2010

#### **Packaging - Rigid plastic containers - Nomenclature of plastic finishes**

This document specifies the dimension nomenclature for plastic finishes.

Keel en

### **prEN 16064**

Identne prEN 16064:2010

Tähtaeg 30.05.2010

#### **Packaging - Rigid plastic containers - PET finish 30/25 H (18,5)**

This document specifies the dimensions and requirements of the 30 mm tall screw finish with three (3) thread starts for flat waters and non-carbonated beverages. This finish can be used for aseptic filling and filling with introduction of nitrogen. The dimension (18,5) is the height in millimetres from the top of finish to the bottom of the support ledge. This finish is designed to take a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and stay on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell.

Keel en

### **prEN 16065**

Identne prEN 16065:2010

Tähtaeg 30.05.2010

#### **Packaging - Rigid plastic containers - PET finish 30/25 L (16,8)**

This document specifies the dimensions and requirements of the 30 mm low screw finish with three (3) thread starts for flat waters and non-carbonated beverages. This finish can be used for aseptic filling and filling with introduction of nitrogen. The dimension (16,8) is the height in millimetres from the top of finish to the bottom of the support ledge. This finish is designed to take a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and stay on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell.

Keel en

### **prEN 16066**

Identne prEN 16066:2010

Tähtaeg 30.05.2010

#### **Packaging - Rigid plastic containers - PET finish 26,7 (lead 6,35)**

This document specifies the dimensions of the 26.7 mm screw finish with three (3) thread starts and a 17.07 mm height for flat waters and non carbonated beverages. This finish can be used for aseptic filling and filling with introduction of nitrogen. This finish is designed to take a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and stay on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell.

Keel en

### **prEN 16067**

Identne prEN 16067:2010

Tähtaeg 30.05.2010

#### **Packaging - Rigid plastic containers - PET finish 26,7 (lead 9,00)**

This document specifies the dimensions of the 26.7 mm screw finish with three (3) thread starts and a 16.80 mm height for flat waters and non-carbonated beverages. This finish can be used for aseptic filling and filling with introduction of nitrogen. This finish is designed to take a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and stay on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell.

Keel en

## prEN 16068

Identne prEN 16068:2010

Tähtaeg 30.05.2010

### **Packaging - Rigid plastic containers - PET finish 38**

This document specifies the dimensions of the 38 mm screw finish with three (3) thread starts for flat waters and non-carbonated beverages. This finish can be used for aseptic filling and filling with introduction of nitrogen (0,7 bar max). This finish is designed to take a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and stay on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell. This finish is for non crystallized necks only.

Keel en

## **59 TEKSTIILI- JA NAHATEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 105-A01:2010**

Hind 124,00

Identne EN ISO 105-A01:2010

ja identne ISO 105-A01:2010

#### **Tekstiil. Värvipüsivuse katsetamine. Osa A01: Üldpõhimõtted**

This part of ISO 105 provides general information about the methods for testing colour fastness of textiles for the guidance of users. The uses and limitations of the methods are pointed out, several terms are defined, an outline of the form of the methods is given and the contents of the clauses constituting the methods are discussed. Procedures common to a number of the methods are discussed briefly. Colour fastness means the resistance of the colour of textiles to the different agents to which these materials may be exposed during manufacture and their subsequent use. The change in colour and staining of undyed adjacent fabrics are assessed as fastness ratings. Other visible changes in the textile material under test, for example surface effects, change in gloss or shrinkage, are considered as separate properties and reported as such.

Keel en

Asendab EVS-EN ISO 105-A01:2000

#### **EVS-EN ISO 17234-1:2010**

Hind 114,00

Identne EN ISO 17234-1:2010

ja identne ISO 17234-1:2010

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

This part of ISO 17234 specifies a method for determining the use of certain azo colorants which may release certain aromatic amines.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN ISO 105-A01:2000**

Identne EN ISO 105-A01:1995

ja identne ISO 105-A01:1994

#### **Tekstiil. Värvipüsivuse katsetamine. Osa A01: Üldpõhimõtted**

See standard annab informatsiooni värvipüsivuskatsete meetodite kasutamisest ja piirangutest. Värvipüsivuse all mõeldakse tekstiili värvuse püsivust erinevate tegurite suhtes, millega tekstiil võib tootmises ja järgneval kasutamisel kokku puutuda. Meetodeid võib kasutada ka värvide värvipüsivuse hindamisel.

Keel en

Asendatud EVS-EN ISO 105-A01:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 14362-1**

Identne prEN 14362-1:2010

Tähtaeg 30.05.2010

#### **Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres**

This part of EN 14362 describes a procedure to detect the use of certain azo colorants that may not be used in the manufacture or treatment of certain commodities made of textile fibres and that are accessible to reducing agent with and without extraction. Azo colorants accessible to reducing agent without extraction are those used to dye: - cellulosic fibres (e.g. cotton, viscose); - protein fibres (e.g. wool, silk); - synthetic fibres (e.g. polyamide, acrylic). Azo colorants accessible with extraction are those used to dye man-made fibres with disperse dyes. The following man-made fibres can be dyed with disperse dyes: polyester, polyamide, acetate, triacetate, acrylic and chlorofibre. For certain commodities made of cellulose and/or protein fibres blended with man-made fibres it is necessary to extract the dye first. NOTE The method is relevant for all coloured textiles, e.g. dyed, printed and coated textiles.

Keel en

Asendab EVS-EN 14362-1:2003; EVS-EN 14362-2:2003

#### **prEN 16055**

Identne prEN 16055:2010

Tähtaeg 30.05.2010

#### **Leather - Raw cattle hides and calf skins - Description, presentation and preservation**

The purpose of this standard is to establish for bovine hides and calf skins intended for the manufacture of leather the following: - terms and definitions; - rules for presenting raw hide and skin. It applies to fresh and cured bovine hides and calf skins. It is not the aim of this document to interfere with the normal commercial agreement between the buyer and the raw hide trader. This Standard may be used in case of disagreement between the two parties.

Keel en

### **prEN ISO 3377-1**

Identne prEN ISO 3377-1:2010  
ja identne ISO/DIS 3377-1:2010  
Tähtaeg 30.05.2010

#### **Leather - Physical and mechanical tests - Determination of tear load - Part 1: Single edge tear**

This part of ISO 3377 specifies a method for determining the tear strength of leather using a single edged tear. The method is sometimes described as a trouser tear. It is applicable to all types of leather.

Keel en

Asendab EVS-EN ISO 3377-1:2003

### **prEN ISO 5404**

Identne prEN ISO 5404:2010  
ja identne ISO/DIS 5404:2010  
Tähtaeg 30.05.2010

#### **Leather - Physical test methods - Determination of water resistance of heavy leathers**

This International Standard specifies a method for determining the water resistance of heavy leathers. The method allows determination of the penetration time, water absorption, area of penetration and water penetration rate as required. It is applicable to all types of heavy leathers.

Keel en

Asendab EVS-EN ISO 5404:2003

## **65 PÖLLUMAJANDUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 9261:2010**

Hind 155,00  
Identne EN ISO 9261:2010  
ja identne ISO 9261:2004

#### **Agricultural irrigation equipment - Emitters and emitting pipe - Specification and test methods**

This International Standard gives mechanical and functional requirements for agricultural irrigation emitters and emitting pipes, and, where applicable, their fittings, and provides methods for testing conformity with such requirements. It also specifies the data to be supplied by the manufacturer to permit correct information, installation and operation in the field. It is applicable to emitters, emitting and dripping (trickling) pipes, hoses, including collapsible hoses ("tapes") and tubing of which the emitting units form an integral part, to emitters and emitting units with or without pressure regulation and with flow rates not exceeding 24 l/h per outlet (except during flushing), and to fittings dedicated to the connection of emitting pipes, hoses and tubing. It is not applicable to porous pipe (pipe that is porous along its entire length), nor does it cover the performance of pipes as regards clogging.

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 50087:2001**

Identne EN 50087:1993

#### **Elektriliste majapidamismasinat ja muude taoliste elektriseadmete ohutus. Erinõuded kogutud piima jahutitele**

This standard applies to automatically-controlled refrigerated bulk-milk tanks intended for fixed or mobile installation on farms or at milk collecting points having a rated volume not exceeding 25 000 litres. It also applies to immersion coolers and to equipment delivered as a number of units for assembly into a single appliance.

Keel en

#### **EVS-EN 61011-2:2002**

Identne EN 61011-2:1992 + A2:1994  
ja identne IEC 61011-2:1990 + A2:1993

#### **Electric fence energizers - Safety requirements for battery-operated electric fence energizers not for connection to the supply mains**

Applies to battery-operated electric fence energizers not for connection to the supply mains. Examples of such appliances are electric fence energizers; - operated by non-rechargeable batteries either incorporated or separate; - operated by separate accumulators only; - intended to be connected to a battery charger not designed for connection to the supply mains; - incorporating a dry battery or an accumulator which can only be recharged when removed from the energizer.

Keel en

Asendatud EVS-EN 60335-2-76:2002

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 13041**

Identne prEN 13041:2010  
Tähtaeg 30.05.2010

#### **Mullaparandajad ja kasvukeskkond. Füüsikaliste omaduste määramine. Kuiv mahukaal, õhumahutavus, veemahutavus, kokkutõmbumise määr ja üldpoorsus.**

This European Standard describes an instrumental method for the routine determination of the physical properties, dry bulk density, water volume, air volume, shrinkage value and total pore space of soil improvers or growing media. This European Standard is not suitable for those materials which are very coarse, which do not make proper capillary contact or those which are preformed and non-particulate and have closed porosity. It is applicable to materials with particles  $\leq 25$  mm and/or flexible fibres  $\leq 80$  mm. NOTE 1 This method is not applicable to liming materials and preformed materials such as mineral wool slabs and foam slabs. NOTE 2 The method is not applicable to inorganic materials. NOTE 3 The requirements of the standard may differ from the national legal requirements for the declaration of the products concerned.

Keel en

Asendab EVS-EN 13041:2000; EVS-EN 13041:2000/A1:2006

## prEN 16075

Identne prEN 16075:2010

Tähtaeg 30.05.2010

### **Fertilizers - Determination of N-(2-nitrophenyl)phosphoric acid triamide (2-NPT) in urea and fertilizers containing urea - Method using high-performance liquid chromatography (HPLC)**

This document specifies a method for the determination of N-(2-nitrophenyl)phosphoric acid triamide (2-NPT) in urea or in fertilizers containing urea using high-performance liquid chromatography (HPLC).

Keel en

## 67 TOIDUAINETE TEHNOLOOGIA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 12851:2005+A1:2010**

Hind 229,00

Identne EN 12851:2005+A1:2010

#### **Toidutöötlemismasinad. Lisa-rattaülekanedega masinate tootlustamisel kasutatavad lisaseadmed. Ohutus- ja hügieeninõuded**

1.1 This European Standard specifies the safety and hygiene requirements for the design and manufacture of the following catering attachments intended to be connected to an auxiliary drive hub of machines used in catering (mainly but not exclusively planetary mixers) and to be used in the commercial and institutional catering industry: - vegetable cutters and cheese graters; - worm type attachments: - fruit squeezers; - meat mincers; - pasta extruders; - coffee grinder; - strip cutters; - planetary mixers and whippers; - potato-mashers.

Keel en

Asendab EVS-EN 12851:2006

#### **EVS-EN 12854:2003+A1:2010**

Hind 229,00

Identne EN 12854:2003+A1:2010

#### **Toidutöötlemismasinad. Mikserid. Ohutus- ja hügieeninõuded**

This European standard specifies the safety and hygiene requirements for the design and manufacture of beam mixers. Beam mixers are used in the catering industry for the preparation of mixture or emulsion, directly in the cooking pan, such as for: puree, mayonnaise, sauces, soups, compotes. This European Standard deals with the hazards which can arise during commissioning, operation, cleaning, removal of food blockages, feeding, changing the tools, maintenance and decommissioning of the machine.

Keel en

Asendab EVS-EN 12854:2003

#### **EVS-EN 13954:2005+A1:2010**

Hind 256,00

Identne EN 13954:2005+A1:2010

#### **Toidutöötlemismasinad. Leivalõikamismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies safety and hygiene requirements for the design and manufacture of bread slicing machines of type 1 and 2 as defined in Clause 3.

Keel en

Asendab EVS-EN 13954:2005

#### **EVS-EN 15664-2:2010**

Hind 92,00

Identne EN 15664-2:2010

#### **Influence of metallic materials on water intended for human consumption - Dynamic rig test for assessment of metal release - Part 2: Test waters**

This European Standard defines the requirements for test waters used in the dynamic test rig defined in EN 15664-1. This document specifies test water(s) when the test procedure is used to: a) assess a material for approval as a reference material for a category of materials; b) assess a material for approval by way of comparative testing; c) obtain data on the interaction of local water with a material. NOTE Local waters used for test waters are not treated with corrosion inhibitors.

Keel en

#### **EVS-EN 15829:2010**

Hind 135,00

Identne EN 15829:2010

#### **Foodstuffs - Determination of ochratoxin A in currants, raisins, sultanas, mixed dried fruit and dried figs - HPLC method with immunoaffinity column cleanup and fluorescence detection**

This European Standard specifies a method for the determination of ochratoxin A in currants, raisins, sultanas, mixed dried fruit and dried figs by high performance liquid chromatography (HPLC) with immunoaffinity cleanup and fluorescence detection. This method has been validated in an interlaboratory study via the analysis of both naturally contaminated and spiked samples ranging from 1,1 µg/kg to 11 µg/kg. For further information on the validation, see Clause 9 and Annex B. WARNING — The use of this standard can involve hazardous materials, operations and equipment. This standard does not purport to address all the safety problems associated with its 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

#### **EVS-EN 15835:2010**

Hind 145,00

Identne EN 15835:2010

#### **Foodstuffs - Determination of ochratoxin A in cereal based foods for infants and young children - HPLC method with immunoaffinity column cleanup and fluorescence detection**

This European Standard specifies a method for the determination of ochratoxin A in cereal based foods for infants and young children by high performance liquid chromatography (HPLC) with immunoaffinity column cleanup and fluorescence detection. This method has been validated in an interlaboratory study via the analysis of both naturally contaminated and spiked samples ranging from 0,050 µg/kg to 0,217 µg/kg. For further information on the validation see Clause 8 and Annex B. Additional studies have shown that this method is applicable to cereal based baby foods containing 8 different types of cereals, honey and cocoa, at levels up to 3,540 µg/kg, see Annex C and [6]. WARNING — The use of this standard can involve hazardous materials, operations and equipment. This standard does not purport to address all the safety problems associated with its 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

**EVS-EN 15842:2010**

Hind 155,00

Identne EN 15842:2010

**Foodstuffs - Detection of food allergens - General considerations and validation of methods**

This European Standard specifies how to use the standards for immunoassays, nucleic based and chromatographic methods and their relationship in the analysis of food allergens; and contains general definitions, requirements and guidelines for laboratory set-up, method validation requirements, description of methods, and test reports. This document also specifies general guidelines for the requirements and use of reference materials for the determination of allergenic commodities in food products. The term "reference materials" in this document includes certified reference materials as well as quality control materials. Currently only a limited number of reference materials for food allergen determination are available. As new materials become accepted and validated, they may be appended as an annex to this document. This document does not deal with sampling issues. It simply details processes involved from receipt of the laboratory sample to the end result.

Keel en

**EVS-EN 15845:2010**

Hind 145,00

Identne EN 15845:2010

**Paper and board - Determination of the cytotoxicity of aqueous extracts**

This European Standard specifies a test method for the laboratory assessment of the potential cytotoxic effect of paper and board materials. This test method is intended to assess wet contact with food simulant.

Keel en

**EVS-EN ISO 2825:2010**

Hind 68,00

Identne EN ISO 2825:2010

ja identne ISO 2825:1981

**Spices and condiments - Preparation of a ground sample for analysis**

This International Standard specifies a method of preparing a ground sample of spice or condiment for analysis, from a laboratory sample obtained by the method specified in ISO 948.

Keel en

**EVS-EN ISO 7540:2010**

Hind 124,00

Identne EN ISO 7540:2010

ja identne ISO 7540:2006

**Ground paprika (Capsicum annum L.) - Specification**

This International Standard defines the requirements for ground paprika. A method for the determination of the moisture content of ground paprika is given in Annex A. Recommendations relative to storage and transport conditions are given in Annex B. A list of terms used in different countries for paprika (*Capsicum annum L.*) is given in Annex C. This International Standard is not applicable to ground chillies and capsicums.

Keel en

**EVS-EN ISO 7541:2010**

Hind 80,00

Identne EN ISO 7541:2010

ja identne ISO 7541:1989

**Ground (powdered) paprika - Determination of total natural colouring matter content**

This International Standard specifies a method for the determination of the total natural colouring matter content of ground (powdered) Paprika.

Keel en

**EVS-EN ISO 8589:2010**

Hind 155,00

Identne EN ISO 8589:2010

ja identne ISO 8589:2007

**Sensory analysis - General guidance for the design of test rooms**

This International Standard provides general guidance for the design of test rooms intended for the sensory analysis of products. It describes the requirements to set up a test room comprising a testing area, a preparation area, and an office, specifying those that are essential or those that are merely desirable. This International Standard is not specific for any product or test type.

Keel en

**EVS-EN ISO 10399:2010**

Hind 166,00

Identne EN ISO 10399:2010

ja identne ISO 10399:2004

**Sensory analysis - Methodology - Duo-trio test**

This International Standard describes a procedure for determining whether a perceptible sensory difference or similarity exists between samples of two products. The method is a forced-choice procedure. The method is applicable whether a difference exists in a single sensory attribute or in several attributes. The method is statistically less efficient than the triangle test (described in ISO 4120) but is easier to perform by the assessors.

Keel en

**EVS-EN ISO 13299:2010**

Hind 188,00

Identne EN ISO 13299:2010

ja identne ISO 13299:2003

**Sensory analysis - Methodology - General guidance for establishing a sensory profile**

This International Standard describes the overall process for developing a sensory profile. Sensory profiles can be established for products such as foods and beverages, and can also be useful in studies of human cognition and behaviour. Some applications of sensory profiling are as follows: - to develop or change a product; - to define a product, production standard or trading standard in terms of its sensory attributes; - to study and improve shelf-life; - to define a reference "fresh" product for shelf-life testing; - to compare a product with a standard or with other similar products on the market or under development; - to map a product's perceived attributes for the purpose of relating them to factors such as instrumental, chemical or physical properties, and/or to consumer acceptability; - to characterize by type and intensity the off-odours or off-tastes in a sample of air or water (e.g. in pollution studies).

Keel en

**EVS-EN ISO 17678:2010**

Hind 178,00

Identne EN ISO 17678:2010

ja identne ISO 17678:2010

**Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (Reference method)**

This International Standard specifies a reference method for the determination of milk fat purity using gas chromatographic analysis of triglycerides. Both vegetable fats and animal fats such as beef tallow and lard can be detected. By using defined triglyceride equations, the integrity of milk fat is determined. Basically, the method applies to bulk milk, or products made thereof, irrespective of feeding, breed or lactation conditions. In particular, the method is applicable to fat extracted from milk products purporting to contain pure milk fat with unchanged composition, such as butter, cream, milk, and milk powder.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EV ST 61:1991**

ja identne EV ST 61:1991

**Lihakonservid. Seapearulaad. Tehnilised tingimused**

Standard kehtib lihakonservi "Seapearulaad" kohta, mis on fassitud toosidesse (purkidesse), hermeetiliselt suletud ja steriliseeritud ning ette nähtud realiseerimiseks kaubandusvõrgus.

Keel et,ru

**EVS 656:2003**

ja identne EVS 656:2003

**Teravili ja teraviljasaadused. Niiskusesisalduse määramine**

Standard käsitleb teravilja (nisu, durumnisu, riis (kestaga, kestata ja osaliselt kestata), kaer, hirss, rukis, oder, tritikale, sorgo) ja teraviljasaaduste (jahvatatud terad, manna, jahu) niiskusesisalduse määramise meetodit. Käesolev standard ei kehti maisile.

Keel et

Asendab EVS 656:1994

Asendatud EVS-EN ISO 712:2010

**EVS-EN 12851:2006**

Identne EN 12851:2005

**Toidutöötlemismasinad. Lisa-rattaülekanedega masinate toitlustamisel kasutatavad lisaseadmed. Ohutus- ja hügieeninõuded**

This European Standard specifies the safety and hygiene requirements for the design and manufacture of the following catering attachments intended to be connected to an auxiliary drive hub of machines used in catering (mainly but not exclusively planetary mixers) and to be used in the commercial and institutional catering industry

Keel en

Asendatud EVS-EN 12851:2005+A1:2010

**EVS-EN 12854:2003**

Identne EN 12854:2003

**Toidutöötlemismasinad. Mikserid. Ohutus- ja hügieeninõuded**

This European standard specifies the safety and hygiene requirements for the design and manufacture of beam mixers. Beam mixers are used in the catering industry for the preparation of mixture or emulsion, directly in the cooking pan, such as for : puree, mayonnaise, sauces, soups, compotes

Keel en

Asendab EVS-EN 12854:2003+A1:2010

**EVS-EN 13954:2005**

Identne EN 13954:2005

**Toidutöötlemismasinad. Leivalõikamismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies safety and hygiene requirements for the design and manufacture of bread slicing machines of type 1 and 2 as defined in Clause 3.

Keel en

Asendatud EVS-EN 13954:2005+A1:2010

**EVS-EN 14957:2006**

Identne EN 14957:2006

**Toidutöötlemismasinad. Konveieriga nõudepesumasinad. Ohutus- ja hügieeninõuded**

This European Standard applies to multizones dishwashing-machines with passing through motorized belt (flight type) or rack conveyor. In case of flight type, the loading and unloading areas are part of the machine. The machines covered by this European Standard are intended for washing, rinsing and optionally drying the dishes and the kitchen utensils, used in food and catering premises such as restaurant, hotel etc.

Keel en

Asendatud EVS-EN 14957:2006+A1:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 12042:2005/FprA1**

Identne EN 12042:2005/FprA1:2010

Tähtaeg 30.05.2010

**Toidutöötlemismasinad. Automaatsed jagamiseadmed. Ohutus- ja hügieeninõuded**

This European Standard applies to the design and manufacture of automatic dividers whose function is based on the volumetric principle using one or more suction and/or pressing pistons. Dough dividers working in other ways are excluded from the scope of this European Standard.

Keel en

**EN 12043:2001/FprA1**

Identne EN 12043:2000/FprA1:2010

Tähtaeg 30.05.2010

**Toidutöötlemismasinad. Vahekergitajad. Ohutus- ja hügieeninõuded**

This standard specifies safety and hygiene requirements for the design and manufacture of intermediate provers used in the food industry and shops (pastry-making, bakeries, etc..) for giving a resting time to dough between dividing and moulding processes. The standard covers the technical safety requirements for the design, installation, adjustment, operation, cleaning and maintenance of these machines, as defined in clause 3.12 of EN 292-1 and in the manufacturer's instruction handbook.

Keel en



#### **prEN 16056**

Identne prEN 16056:2010

Tähtaeg 30.05.2010

#### **Influence of metallic materials on water intended for human consumption - Method to evaluate the passive behaviour of stainless steels**

This European Standard specifies a procedure to evaluate the passive behaviour of stainless steels used in construction products intended to come into contact with drinking water. The passive state of stainless steels is the reason why no relevant amounts of metals are released from these materials into the drinking water. This test is used to verify whether the stainless steel under consideration is passive under conditions which can occur in drinking waters.

Keel en

#### **prEN 16057**

Identne prEN 16057:2010

Tähtaeg 30.05.2010

#### **Influence of metallic materials on water intended for human consumption - Determination of residual surface lead (Pb) - Extraction method**

This standard describes a test method to determine the amount of lead on the surface of test specimens made from lead containing copper alloys.

Keel en

#### **prEN 16058**

Identne prEN 16058:2010

Tähtaeg 30.05.2010

#### **Influence of metallic materials on water intended for human consumption - Dynamic rig test for assessment of surface coatings with nickel layers - Long-term test method**

This European Standard specifies a procedure to determine the release of nickel from nickel layers or a coating containing nickel on inner surfaces of products which are intended to come into contact with drinking water 1).

Keel en

## **71 KEEMILINE TEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TR 15993:2010**

Hind 155,00

Identne CEN/TR 15993:2010

#### **Automotive fuels - Ethanol (E85) automotive fuel - Background to the parameters required and their respective limits and determination**

This Technical Report explains the requirements and test methods for marketed and delivered ethanol (E85) automotive fuel according to EN 15293. It provides background information to judge the (approval of the) final text of the standard and gives guidance and explanations to the producers, blenders, marketers and users of ethanol (E85) automotive fuel. NOTE 1 This document is directly related to prEN 15293:2009 and should be updated once further publications take place. NOTE 2 For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent the mass fraction,  $\mu$ , and the volume fraction,  $\phi$ , respectively.

Keel en

#### **EVS-EN 15796:2010**

Hind 114,00

Identne EN 15796:2010

#### **Chemicals used for treatment of swimming pool water - Calcium hypochlorite**

This European Standard is applicable to calcium hypochlorite used directly, or for the production of formulations, for treatment of water for swimming pools. It describes the characteristics of calcium hypochlorite and specifies the requirements and the corresponding test methods for calcium hypochlorite. It gives information on its use in swimming pool water treatment. It also determines the rules relating to safe handling and use of calcium hypochlorite (see Annex B).

Keel en

#### **EVS-EN 15799:2010**

Hind 105,00

Identne EN 15799:2010

#### **Products used for treatment of swimming pool water - Powdered activated carbon**

This document is applicable to powdered activated carbon used for treatment of swimming pool water. It describes the characteristics of powdered activated carbon and specifies the requirements and the corresponding test methods for powdered activated carbon. It gives information on its use in swimming pool water treatment.

Keel en

#### **EVS-EN ISO 2871-1:2010**

Hind 80,00

Identne EN ISO 2871-1:2010

ja identne ISO 2871-1:2010

#### **Pindaktiivsed ained. Pesemisvahendid (detergendid). Katioonaktiivse aine sisalduse määramine. Osa 1: Kõrge molekulmassiga katioonaktiivne aine**

This part of ISO 2871 specifies a method for the determination of high-molecular-mass cationic-active materials such as a) quaternary ammonium compounds in which two of the alkyl groups each contain 10 or more carbon atoms, e.g. distearyl-dimethyl-ammonium chlorides, or b) salts of imidazoline or 3-methylimidazoline in which long-chain acylaminoethyl and alkyl groups are substituted in the 1- and 2-positions, respectively. The method is applicable to solids or to aqueous solutions of the active material when the relative molecular mass of the cationic-active matter is known or when it has been previously determined if its content is expressed as a percentage by mass. The method is not applicable if anionic surface active agents are present.

Keel en

Asendab EVS-EN ISO 2871-1:2000

## **EVS-EN ISO 2871-2:2010**

Hind 92,00

Identne EN ISO 2871-2:2010

ja identne ISO 2871-2:2010

### **Pindaktiivsed ained. Pesemisvahendid.**

#### **Katioonaktiivse aine sisalduse määramine. Osa 2: Madala molekulmassiga katioonaktiivne aine**

This part of ISO 2871 specifies a method for the determination of low-molecular-mass cationic-active materials such as monoamines, amine oxides, quaternary ammonium compounds and alkylpyridinium salts which have a main chain of 10 to 22 carbon atoms and not more than 6 other carbon atoms in the cation. The method is also suitable for other cationic-active materials. The method is applicable to solids or to aqueous solutions of the active material when the relative molecular mass of the cationic-active matter is known or when it has been previously determined if its content is expressed as a percentage by mass. If more than one type of cationic-active material is present, an estimate of average relative molecular mass may be used. The method is not applicable if anionic and/or amphoteric surface active agents are present.

Keel en

Asendab EVS-EN ISO 2871-2:2000

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN ISO 2871-2:2000**

Identne EN ISO 2871-2:1994

ja identne ISO 2871-2:1991

### **Pindaktiivsed ained. Pesemisvahendid.**

#### **Katioonaktiivse aine sisalduse määramine. Osa 2: Madala molekulmassiga katioonaktiivne aine**

ISO 2871 käesolev osa esitab meetodi madala molekulmassiga katioonaktiivse aine määramiseks. Sinna kuuluvad näiteks monoamiinid, amiinoksiidid, kvaternaarsed ammooniumühendid ja alküülpüridiinsoolad, mille põhiahelas on 10 kuni 22 süsinikuaatomit ja mitte rohkem kui 6 erinevat süsiniku aatomit katioonis.

Keel en

Asendatud EVS-EN ISO 2871-2:2010

### **EVS-EN ISO 2871-1:2000**

Identne EN ISO 2871-1:1994

ja identne ISO 2871-1:1988

### **Pindaktiivsed ained. Pesemisvahendid (detergendid).**

#### **Katioonaktiivse aine sisalduse määramine. Osa 1: Kõrge molekulmassiga katioonaktiivne aine**

ISO 2871 käesolev osa esitab meetodi kõrge molekulmassiga katioonaktiivse aine massiprotsendi määramiseks.

Keel en

Asendatud EVS-EN ISO 2871-1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 16070**

Identne prEN 16070:2010

Tähtaeg 30.05.2010

#### **Products used for treatment of water intended for human consumption - Natural Zeolite**

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

Keel en

### **prEN ISO 13079**

Identne prEN ISO 13079:2010

ja identne ISO/DIS 13079:2010

Tähtaeg 30.05.2010

#### **Laboratory glass and plastics ware - Tubes and support for the measurement of erythrocytic sedimentation rate by the Westergren method**

This International Standard specifies requirements for single-use and re-usable glass and plastic tubes for measuring the erythrocyte sedimentation rate (ESR) by the Westergren method, and for a support to hold tubes during the performance of the test. These so-called "Westergren tubes" are also sometimes designated as "Westergren pipettes". A procedure for measuring the erythrocyte sedimentation rate by the Westergren method is given in the informative Annex D. This standard does not apply to single-use containers for human venous blood specimen collection and their accessories for which other standards apply. The standard does also not apply for devices where the Westergren method has been used as basis to develop other, similar methods or equipment for the erythrocyte sedimentation rate determination.

Keel en

### **prEN ISO 13130**

Identne prEN ISO 13130:2010

ja identne ISO/DIS 13130:2010

Tähtaeg 30.05.2010

#### **Laboratory glassware - Desiccators**

This International Standard specifies requirements and tests for desiccators and vacuum desiccators intended for general laboratory purposes such as drying of substances or material.

Keel en

### **prEN ISO 13132**

Identne prEN ISO 13132:2010

ja identne ISO/DIS 13132:2010

Tähtaeg 30.05.2010

#### **Laboratory glassware - Petri dishes**

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

Keel en

## **73 MÄENDUS JA MAAVARAD**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 1804-1:2001+A1:2010**

Hind 219,00

Identne EN 1804-1:2001+A1:2010

#### **Maa-aluste kaevanduste masinad. Hüdroenergiaal töötavate katusetugede ohutusnõuded. Osa 1: Tugiüksused ja üldnõuded**

This standard specifies the safety requirements for support units when used as specified by the manufacturer or his authorised representative. Examples of support units are frame supports, chock supports, shield supports, paired frames and push-pull support systems including the components of advancing and anchoring devices which provide support functions. This part of the standard excludes fixing elements on the conveyor, coal-winning equipment, power set legs and rams, valves, hydraulic and electro-hydraulic control units, lighting and signalling facilities and other ancillary equipment.

Keel en

Asendab EVS-EN 1804-1:2002

**EVS-EN 1804-2:2001+A1:2010**

Hind 219,00

Identne EN 1804-2:2001+A1:2010

**Maa-aluste kaevanduste masinad. Hüdroenergiat  
töötavate katusetugede ohutusnõuded. Osa 2:  
Jõuseadme jalad ja rammid**

This standard specifies the safety requirements for legs and rams when used as specified by the manufacturer or his authorised representative. Examples covered by the standard include legs, support rams and rams with their mechanical extensions, internal valves and safety devices, seals, hydraulic connections (up to the first hose or Type B valve, see Part 3) and their lifting points but excluding protective pipes and gaiters, external valves and hydraulic and electrohydraulic control systems.

Keel en

Asendab EVS-EN 1804-2:2002

**EVS-EN 1804-3:2006+A1:2010**

Hind 209,00

Identne EN 1804-3:2006+A1:2010

**Maa-aluste kaevanduste masinad. Hüdroenergiat  
töötavate katusetugede ohutusnõuded. Osa 3:  
Hüdraulilised juhtsüsteemid**

This document specifies the safety requirements for hydraulic control devices, including hydraulic valves and their control elements, valve combinations, control systems, pipes and hose assemblies, fittings, shut-off devices, measuring devices, filters, built-in pressure limiting and check valves in legs and rams and water spraying and dust suppression valves when used as specified by the manufacturer or his authorized representative. Excluded are electronic control devices, pressure generators, and internal valves of legs and rams (e.g. constant yield valves, see EN1804-2).

Keel en

Asendab EVS-EN 1804-3:2006

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 1804-2:2002**

Identne EN 1804-2:2001

**Maa-aluste kaevanduste masinad. Hüdroenergiat  
töötavate katusetugede ohutusnõuded. Osa 2:  
Jõuseadme jalad ja rammid**

This standard specifies the safety requirements for legs and rams when used as specified by the manufacturer or his representative. Examples covered by the standard include legs, support rams and rams with their mechanical extensions, internal valves and safety devices, seals, hydraulic connections and their lifting points but excluding protective pipes and gaiters, external valves and hydraulic and electrohydraulic control systems.

Keel en

Asendatud EVS-EN 1804-2:2001+A1:2010

**EVS-EN 1804-1:2002**

Identne EN 1804-1:2001

**Maa-aluste kaevanduste masinad. Hüdroenergiat  
töötavate katusetugede ohutusnõuded. Osa 1:  
Tugiüksused ja üldnõuded**

This standard specifies the safety requirements for support units when used as specified by the manufacturer or his authorised representative. Examples of support units are frame supports, chock supports, shield supports, paired frames and push-pull supports systems including the components of advancing and anchoring devices which provide support functions.

Keel en

Asendatud EVS-EN 1804-1:2001+A1:2010

**EVS-EN 1804-3:2006**

Identne EN 1804-3:2006

**Maa-aluste kaevanduste masinad. Hüdroenergiat  
töötavate katusetugede ohutusnõuded. Osa 3:  
Hüdraulilised juhtsüsteemid**

This document specifies the safety requirements for hydraulic control devices, including hydraulic valves and their control elements, valve combinations, control systems, pipes and hose assemblies, fittings, shut-off devices, measuring devices, filters, built-in pressure limiting and check valves in legs and rams and water spraying and dust suppression valves when used as specified by the manufacturer or his authorized representative.

Keel en

Asendatud EVS-EN 1804-3:2006+A1:2010

**75 NAFTA JA NAFTATEHNOLOOGIA****UUED STANDARDID JA PUBLIKATSIOONID****CEN/TR 15993:2010**

Hind 155,00

Identne CEN/TR 15993:2010

**Automotive fuels - Ethanol (E85) automotive fuel -  
Background to the parameters required and their  
respective limits and determination**

This Technical Report explains the requirements and test methods for marketed and delivered ethanol (E85) automotive fuel according to EN 15293. It provides background information to judge the (approval of the) final text of the standard and gives guidance and explanations to the producers, blenders, marketers and users of ethanol (E85) automotive fuel. NOTE 1 This document is directly related to prEN 15293:2009 and should be updated once further publications take place. NOTE 2 For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent the mass fraction,  $\mu$ , and the volume fraction,  $\varphi$ , respectively.

Keel en

## **EVS-EN ISO 3924:2010**

Hind 188,00

Identne EN ISO 3924:2010

ja identne ISO 3924:2010

### **Petroleum products - Determination of boiling range distribution - Gas chromatography method**

This International Standard specifies a method for the determination of the boiling-range distribution of petroleum products. The method is applicable to petroleum products and fractions with a final boiling point of 538 °C or lower at atmospheric pressure as determined by this International Standard. This International Standard is not applicable to gasoline samples or gasoline components. The method is limited to products having a boiling range greater than 55 °C and having a vapour pressure sufficiently low to permit sampling at ambient temperature. The method has successfully been applied to samples containing biodiesel up to 10 %.

Keel en

## **EVS-EN ISO 15544:2010**

Hind 243,00

Identne EN ISO 15544:2010

ja identne ISO 15544:2000+Amd 1:2009

### **Petroleum and natural gas industries - Offshore production installations - Requirements and guidelines for emergency response**

This International Standard describes objectives, functional requirements and guidelines for emergency response(ER) measures on installations used for the development of offshore hydrocarbon resources. It is applicable to fixed offshore structures or floating production, storage and off-take systems. NOTE For mobile offshore units, the ER plans developed in conformance with the requirements and recommendations of the International Maritime Organization (IMO) are generally adequate for the normal, independent operation of the unit in most locations. The following aspects of ER planning are generally not addressed by IMO and should be specially considered:- area evacuation, e.g. precautionary evacuation in areas of tropical revolving storms;- combined operations wherein an integrated command and ER system should be developed;- arctic operations;- uncontrolled flow from a well.

Keel en

## **EVS-EN ISO 20815:2010**

Hind 271,00

Identne EN ISO 20815:2010

ja identne ISO 20815:2008

### **Nafta-, naftakeemia- ja maagaasitööstused. Tootmise tagamine ja töökindluse juhtimine**

This International Standard introduces the concept of production assurance within the systems and operations associated with exploration drilling, exploitation, processing and transport of petroleum, petrochemical and natural gas resources. This International Standard covers upstream (including subsea), midstream and downstream facilities and activities. It focuses on production assurance of oil and gas production, processing and associated activities and covers the analysis of reliability and maintenance of the components.

Keel en

Asendab EVS-EN ISO 20815:2008

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN ISO 20815:2008**

Identne EN ISO 20815:2008

ja identne ISO 20815:2008

### **Nafta-, naftakeemia- ja maagaasitööstused. Tootmise tagamine ja töökindluse juhtimine**

This International Standard introduces the concept of production assurance within the systems and operations associated with exploration drilling, exploitation, processing and transport of petroleum, petrochemical and natural gas resources. This International Standard covers upstream (including subsea), midstream and downstream facilities and activities. It focuses on production assurance of oil and gas production, processing and associated activities and covers the analysis of reliability and maintenance of the components. It provides processes and activities, requirements and guidelines for systematic management, effective planning, execution and use of production assurance and reliability technology. This is to achieve cost-effective solutions over the life cycle of an asset-development project structured around the following main elements: - production-assurance management for optimum economy of the facility through all of its life-cycle phases, while also considering constraints arising from health, safety, environment, quality and human factors; - planning, execution and implementation of reliability technology; - application of reliability and maintenance data; - reliability-based design and operation improvement.

Keel en

Asendatud EVS-EN ISO 20815:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 4404-1**

Identne prEN ISO 4404-1:2010

ja identne ISO/DIS 4404-1:2010

Tähtaeg 30.05.2010

### **Petroleum and related products - Determination of the corrosion resistance of fire-resistant hydraulic fluids - Part 1: Water-containing fluids**

This part of ISO 4404 specifies a test method to determine the influence on metals of fire-resistant fluids in categories HFA, HFB and HFC, as classified in ISO 6743-4. It evaluates the corrosion protection provided by these fluids towards metal components used in hydraulic systems and installations. A similar technique for fluids in category HFD is described in ISO 4404-2:2003.

Keel en

Asendab EVS-EN ISO 4404-1:2006

**prEN 13616**

Identne prEN 13616:2010

Tähtaeg 30.05.2010

**Seadmed paiksete vedelkütusemahutite ülevoolu vältimiseks**

This standard specifies the minimum performance and construction requirements for various types of overfill prevention devices which are limited to static tanks of shop fabricated manufacture both metallic and non metallic. It covers devices for underground tanks and also above ground tanks with a maximum height of 5 m. To cover the different types of overfill prevention devices, two types have been developed: - Type A: An overfill prevention device where the operation does not depend on the road tank vehicle or supply system; - Type B: An overfill prevention device where the operation depends on the road tank vehicle or the supply system. This standard applies to overfill prevention devices for liquid petroleum fuels, having a flash point up to but not exceeding 100 °C. The requirements apply to overfill prevention devices suitable for use at ambient temperatures in the range from -25 °C to +60 °C, and subject to normal operational pressure variations. Additional measures may be required for use at temperatures outside this range and are the subject of negotiation between the manufacturer and its client.

Keel en

Asendab EVS-EN 13616:2004

**prEN 15410**

Identne prEN 15410:2010

Tähtaeg 30.05.2010

**Solid recovered fuels - Methods for the determination of the content of major elements (Al, Ca, Fe, K, Mg, Na, P, Si, Ti)**

This European Standard specifies three methods of digestion for solid recovered fuels: a) microwave assisted digestion with hydrofluoric, nitric and hydrochloric acid mixture; b) hot water bath digestion of with hydrofluoric, nitric and hydrochloric acid mixture, after ashing of the SRFs sample; c) oven digestion with nitric, perchloric and hydrofluoric acid mixture. Instrumental determination of Si, Al, K, Na, Ca, Mg, Fe, P, and Ti is performed by Inductively Coupled Plasma Spectrometry with optical detection or other suitable spectroscopic techniques such as Flame Atomic Spectroscopy. The effectiveness of the digestion can be verified by qualitative X-ray fluorescence (XRF) analysis on the remaining residue. If necessary an alternative digestion method (among those proposed) shall be used. XRF can be used for the analysis of Si, Al, K, Na, Ca, Mg, Fe, P, Ti, after ashing (550 °C) of the sample: other elements can be analysed by XRF providing that the concentration levels are above the instrumental detection limits of the XRF instrumentation and after proper preliminary testing.

Keel en

Asendab CEN/TS 15410:2006

**prEN 15411**

Identne prEN 15411:2010

Tähtaeg 30.05.2010

**Solid recovered fuels - Methods for the determination of the content of trace elements (As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Mn, Ni, Pb, Sb, Se, Ti, V and Zn)**

This European Standard specifies three methods of digestion for solid recovered fuels: a) microwave assisted digestion with hydrofluoric, nitric and hydrochloric acid mixture; b) hot water bath digestion of with hydrofluoric, nitric and hydrochloric acid mixture, after ashing of the SRFs sample; c) oven digestion with nitric, perchloric and hydrofluoric acid mixture. Instrumental determination of As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Sb, Se, Ti, V, Zn is performed by Inductively Coupled Plasma with optical or mass detection or graphite furnace Atomic Absorption Spectrometry. Hg can be analysed only after the microwave assisted procedure or, alternatively, by a direct analysis method (Hg direct – AMA). The effectiveness of the digestion can be verified by qualitative X-ray fluorescence (XRF) analysis on the remaining residue. If necessary an alternative digestion method (among those proposed) is used. Method a) is recommended for general use, but the amount of the test portion can be very low in case of high concentration of organic matter. Method b) is recommended for SRFs with high organic matter concentration that can be difficult to digest with the other methods. This method is not suitable for mercury. Method c) is recommended for SRFs samples for which the other methods leave a significant insoluble residue.

Keel en

Asendab CEN/TS 15411:2006

**prEN 15413**

Identne prEN 15413:2010

Tähtaeg 30.05.2010

**Solid recovered fuels - Methods for the preparation of the test sample from the laboratory sample**

This European Standard specifies the correct sequence of operations to ensure the representativity of the test portions that has been taken according to the sampling plan, prior to physical and/or chemical analysis (e.g. extractions, digestion and/or analytical determinations) of solid samples. This European Standard specifies the correct sequence of operations and treatments to be applied to the laboratory sample in order to obtain suitable test portions in compliance with the specific requirements defined in the corresponding analytical procedures.

Keel en

Asendab CEN/TS 15413:2006

**prEN ISO 12212**

Identne prEN ISO 12212:2010

ja identne ISO/DIS 12212:2010

Tähtaeg 30.05.2010

**Petroleum, petrochemical and natural gas industries - Hairpin-type heat exchangers**

This International Standard specifies requirements and gives recommendations for the mechanical design, materials selection, fabrication, inspection, testing, and preparation for shipment of hairpin heat exchangers for use in the petroleum, petrochemical and natural gas industries. Hairpin heat exchangers include double-pipe and multi-tube type heat exchangers.

Keel en

## 77 METALLURGIA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 10283:2010**

Hind 145,00

Identne EN 10283:2010

#### **Korrosioonikindlad terasvalandid**

This European Standard applies to corrosion resistant steel castings for general purposes. This standard relates to castings manufactured from martensitic, austenitic, fully austenitic and ferritic-austenitic steel grades characterised by their chemical composition (see Table 1) and mechanical properties (see Table 2). In cases where castings are joined by welding by the founder, this European Standard applies. In cases where castings are welded: - to wrought products (plates, tubes, forgings); - or by non founders; this European Standard does not apply.

Keel en

Asendab EVS-EN 10283:1999

#### **EVS-EN 10305-1:2010**

Hind 178,00

Identne EN 10305-1:2010

#### **Steel tubes for precision applications - Technical delivery conditions - Part 1: Seamless cold drawn tubes**

This European Standard specifies the technical delivery conditions for seamless cold drawn steel tubes of circular cross section for precision applications with specified outside diameter  $D \leq 380$  mm.

Keel en

Asendab EVS-EN 10305-1:2003

#### **EVS-EN 10305-2:2010**

Hind 166,00

Identne EN 10305-2:2010

#### **Steel tubes for precision applications - Technical delivery conditions - Part 2: Welded cold drawn tubes**

This European Standard specifies the technical delivery conditions for welded cold drawn steel tubes of circular cross section for precision applications with specified outside diameter  $D \leq 150$  mm. NOTE This document may also be applied to other types of cross section. Tubes according to this document are characterized by having precisely defined tolerances on dimensions and a specified maximum surface roughness. Typical fields of application are in the automotive, furniture and general engineering industries.

Keel en

Asendab EVS-EN 10305-2:2003

#### **EVS-EN 10305-3:2010**

Hind 166,00

Identne EN 10305-3:2010

#### **Steel tubes for precision applications - Technical delivery conditions - Part 3: Welded cold sized tubes**

This European Standard specifies the technical delivery conditions for welded cold sized steel tubes of circular cross section for precision applications with specified outside diameter  $D \leq 193,7$  mm. NOTE This document may also be applied to other types (excluding square and rectangular) of cross section. Tubes according to this document are characterized by having precisely defined tolerances on dimensions and a specified maximum surface roughness. Typical fields of application are in the vehicle, furniture and general engineering industries.

Keel en

Asendab EVS-EN 10305-3:2003

#### **EVS-EN 15622:2010**

Hind 114,00

Identne EN 15622:2010

#### **Copper and copper alloys - Determination of lead content - Flame atomic absorption spectrometry method (FAAS)**

This document specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the lead in copper and copper alloys in the form of unwrought, wrought and cast products. The method is applicable to products having lead mass fractions between 0,01 % and 5,0 %.

Keel en

#### **EVS-EN ISO 945-1:2008/AC:2010**

Hind 0,00

Identne EN ISO 945-1:2008/AC:2010

ja identne ISO 945-1:200/Cor 1:2010

#### **Microstructure of cast irons - Part 1: Graphite classification by visual analysis**

Keel en

#### **EVS-EN ISO 9445-1:2010**

Hind 114,00

Identne EN ISO 9445-1:2010

ja identne ISO 9445-1:2009

#### **Continuously cold-rolled stainless steel - Tolerances on dimensions and form - Part 1: Narrow strip and cut lengths**

This part of ISO 9445 specifies the tolerances on dimensions and form for continuously cold-rolled stainless steel narrow strip, in thicknesses of up to and including 3 mm and in rolling widths of less than 600 mm. It also applies to cut lengths taken from such strip. Narrow strip and cut lengths with widths of less than 600 mm, which are manufactured from wide strip by longitudinal slitting, are covered in ISO 9445-2.

Keel en

Asendab EVS-EN ISO 9445:2006

### **EVS-EN ISO 9445-2:2010**

Hind 114,00

Identne EN ISO 9445-2:2010

ja identne ISO 9445-2:2009

#### **Continuously cold-rolled stainless steel - Tolerances on dimensions and form - Part 2: Wide strip and plate/sheet**

This part of ISO 9445 specifies the tolerances on dimensions and form for continuously cold-rolled stainless steel wide strip and plate/sheet, in thicknesses from 0,30 mm to 8,0 mm and in rolling widths from 600 mm to 2 100 mm. It also applies to slit cold-rolled wide strip in widths less than 600 mm manufactured from wide strip by longitudinal slitting and to cut lengths manufactured from such strip.

Keel en

Asendab EVS-EN ISO 9445:2006

### **EVS-EN ISO 26203-1:2010**

Hind 229,00

Identne EN ISO 26203-1:2010

ja identne ISO 26203-1:2010

#### **Metallic materials - Tensile testing at high strain rates - Part 1: Elastic-bar-type systems**

This International Standard specifies methods for testing metallic sheet materials to determine the stress-strain characteristics at high strain rates. This part of ISO 26203 covers the use of elastic-bar-type systems. The strain-rate range between  $10^{-3}$  to  $10^3$  s<sup>-1</sup> is considered to be the most relevant to vehicle crash events based on experimental and numerical calculations such as the Finite Element Analysis (FEA) work for crashworthiness. In order to evaluate the crashworthiness of a vehicle with accuracy, reliable stress-strain characterization of metallic materials at strain rates higher than  $10^{-3}$  s<sup>-1</sup> is essential. This test method covers the strain-rate range above  $10^2$  s<sup>-1</sup>.

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 10283:1999**

Identne EN 10283:1998

#### **Korrosioonikindlad terasvalandid**

Standard kehtib korrosioonikindlate üldkasutatavate terasvalandite kohta.

Keel en

Asendatud EVS-EN 10283:2010

#### **EVS-EN 10305-2:2003**

Identne EN 10305-2:2002

#### **Steel tubes for precision applications - Technical delivery conditions - Part 2: Welded cold drawn tubes**

This Part of this European Standard specifies the technical delivery conditions for welded cold drawn steel tubes of circular cross section for precision application

Keel en

Asendatud EVS-EN 10305-2:2010

#### **EVS-EN 10305-3:2003**

Identne EN 10305-3:2002

#### **Steel tubes for precision applications - Technical delivery conditions - Part 3: Welded cold sized tubes**

This Part of this European Standard specifies the technical delivery conditions for welded cold sized steel tubes of circular cross section for precision applications

Keel en

Asendatud EVS-EN 10305-3:2010

### **EVS-EN 10305-5:2003**

Identne EN 10305-5:2003

#### **Steel tubes for precision applications - Technical delivery conditions - Part 5: Welded and cold sized square and rectangular tubes**

This part of EN 10305 specifies the technical delivery conditions for welded and sized steel tubes of square and rectangular cross section for precision applications. Tubes according to this part of EN 10305 are characterized by having precisely defined tolerances on dimension and a specified surface roughness. Typical fields of application are in the vehicle, furniture and general engineering industries.

Keel en

Asendatud EVS-EN 10305-5:2010

#### **EVS-EN 10305-1:2003**

Identne EN 10305-1:2002

#### **Steel tubes for precision applications - Technical delivery conditions - Part 1: Seamless cold drawn tubes**

This Part of this European Standard specifies the technical delivery conditions for seamless cold drawn steel tubes of circular cross section for precision applications

Keel en

Asendatud EVS-EN 10305-1:2010

#### **EVS-EN 10305-5:2003/AC:2007**

Identne EN 10305-5:2003/AC:2007

#### **Steel tubes for precision applications - Technical delivery conditions - Part 5: Welded and cold sized square and rectangular tubes**

Keel en

#### **EVS-EN ISO 9445:2006**

Identne EN ISO 9445:2006

ja identne ISO 9445:2002

#### **Continuously cold-rolled stainless steel narrow strip, wide strip, plate/sheet and cut lengths - Tolerances on dimensions and form**

This International Standard specifies the tolerances on dimensions and form for continuously cold-rolled stainless steel narrow strip, in thicknesses of up to and including 3 mm and in rolling widths of less than 600 mm. It also applies to cut lengths taken from such strip.

Keel en

Asendab EVS-EN 10258:1999; EVS-EN 10259:2000

Asendatud EVS-EN ISO 9445-1:2010; EVS-EN ISO 9445-2:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN ISO 4498**

Identne FprEN ISO 4498:2010  
ja identne ISO/FDIS 4498:2010  
Tähtaeg 30.05.2010

### **Metallkeraamilised materjalid, välja arvatud kõvasulamid. Näivkõvaduse määramine. Osa 1: Materjalid, mille kõvadus ristlõike ulatuses on põhiliselt ühtlane**

1.1 This International Standard specifies methods of hardness testing of sintered metal materials, excluding hardmetals. 1.2 Procedure 1 determines the apparent hardness of the whole material. Procedure 1 - applies to sintered metal materials which have either not been subjected to any heat treatment, or which have been heat treated in such a way that the hardness is essentially uniform to a depth of at least 5 mm below the surface, - applies to the surfaces of sintered metal materials which have been treated in such a way that the hardness is not uniform in the section to a depth of 5 mm below the surface, - therefore applies to materials in which the hardness is obtained essentially by surface enrichment by carbon, or by carbon and nitrogen (for example by carburizing, carbonitriding, nitrocarburizing or sulfidizing), and - applies to materials which have been induction hardened.

Keel en

Asendab FprEN ISO 4498

### **prEN 1559-3**

Identne prEN 1559-3:2010  
Tähtaeg 30.05.2010

### **Metallivalu. Tehnilised tarnetingimused. Osa 3: Lisanõuded terasvalandite kohta**

This standard EN 1559-3 applies to castings made from all cast iron materials produced in sand or permanent moulds or by centrifugal casting, continuous casting or investment casting. EN 1559-3 specifies the additional technical delivery conditions for castings made from all cast iron materials.

Keel en

Asendab EVS-EN 1559-3:2000

### **prEN 1561**

Identne prEN 1561:2010  
Tähtaeg 30.05.2010

### **Metallivalu. Hallmalmid**

This European Standard specifies the properties of unalloyed and low-alloyed grey cast irons used for castings, which have been manufactured in sand moulds or in moulds with comparable thermal behaviour. This European Standard specifies the characterizing properties of grey cast iron by either a) the tensile strength of cast samples, or b) the hardness measured on the castings or on a cast-on knob. If agreed by the manufacturer and the purchaser, the combination of both tensile strength from option a) and hardness from option b) may be specified. This European Standard specifies six grades of grey cast iron by a classification based on tensile strength measured on machined test pieces prepared from cast samples (see Table 1) and six grades of grey cast iron by a classification based on Brinell hardness (see Table 2). This European Standard does not cover technical delivery conditions for iron castings; see EN 1559-1 and EN 1559-3. This European Standard does not apply to grey cast iron used for pipes and fittings according to EN 877 [1].

Keel en

Asendab EVS-EN 1561:2000

### **prEN 1563**

Identne prEN 1563:2010  
Tähtaeg 30.05.2010

### **Metallivalu. Keraja grafiidiga malmid**

See Euroopa standard määrab kindlaks keraja grafiidiga malmi margid ja vastavad nõuded. Standard määrab kindlaks mehaanilistel omadustel põhineva klassifikatsiooni. Mehaanilised omadused on mõõdetud töödeldud proovikehadel, mis on tehtud kas eraldi valatud näidistest, koos valatud näidistest või valandist lõigatud näidistest. Standard määrab kindlaks ka liigituse kõvaduse alusel.

Keel en

Asendab EVS-EN 1563:2000; EVS-EN 1563:2000/A1:2002; EVS-EN 1563:2000/A2:2005

### **prEN 10216-2**

Identne prEN 10216-2:2010  
Tähtaeg 30.05.2010

### **Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 2: Süsinik- ja legerterasest kõrgendatud temperatuuriomadustega torud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10216-2:2002+A2:2007

### **prEN 16079**

Identne prEN 16079:2010  
Tähtaeg 30.05.2010

### **Founding - Compacted (vermicular) graphite cast irons**

This European Standard defines the grades and the corresponding requirements for compacted (vermicular) graphite cast irons. This European Standard specifies 5 grades of compacted (vermicular) graphite cast iron by a classification based on mechanical properties measured on machined test pieces prepared from cast samples. This standard does not cover technical delivery conditions for iron castings, see EN 1559-1 [1] and EN 1559-3 [2].

Keel en

### **FprEN 61788-6**

Identne FprEN 61788-6:2010  
ja identne IEC 61788-6:200X  
Tähtaeg 30.05.2010

### **Superconductivity -- Part 6: Mechanical properties measurement - Room temperature tensile test of Cu/Nb-Ti composite superconductors**

This part of IEC 61788 covers a test method detailing the tensile test procedures to be carried out on Cu/Nb-Ti superconductive composite wires at room temperature. This test is used to measure modulus of elasticity, 0,2 % proof strength of the composite due to yielding of the copper component, and tensile strength. The value for percentage elongation after fracture and the second type of 0,2 % proof strength due to yielding of the Nb-Ti component serves only as a reference (see Clauses A.1 and A.2). The sample covered by this test procedure has a round or rectangular cross-section with an area of 0,15 mm<sup>2</sup> to 2 mm<sup>2</sup> and a copper to superconductor volume ratio of 1,0 to 8,0 and without the insulating coating.

Keel en

Asendab EVS-EN 61788-6:2008



## 79 PUIDUTEHNOLOOGIA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 1313-1:2010**

Hind 114,00

Identne EN 1313-1:2010

#### **Ümarpuit ja saematerjal. Lubatud hälbed ja eelismõõtmed. Osa 1: Okaspuu saematerjal**

This European Standard specifies permitted deviations for thickness and width at reference moisture content and adjustments for changes in size due to changes in moisture content. Preferred sizes for thicknesses of 38 mm and over are also specified. This standard applies to softwood sawn timber. An informative annex gives complementary national sizes.

Keel en

Asendab EVS-EN 1313-1:2001

#### **EVS-EN 1315:2010**

Hind 80,00

Identne EN 1315:2010

#### **Ümarpuidu liigitus mõõtmete järgi**

This European Standard specifies a dimensional classification for round timber (softwood and hardwood) for which the intended use is not known.

Keel en

Asendab EVS-EN 1315-1:2001; EVS-EN 1315-2:2001

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 1313-1:2001**

Identne EN 1313-1:1997 + A1:1999

#### **Ümarpuit ja saematerjal. Lubatud hälbed ja eelismõõtmed. Osa 1: Okaspuu saematerjal**

This Standard specifies permitted deviations for thicknesses and widths at a reference moisture content and adjustments for changes in size due to changes in moisture content. Preferred sizes for thicknesses of 38 mm and over are also specified.

Keel en

Asendatud EVS-EN 1313-1:2010

#### **EVS-EN 1315-2:2001**

Identne EN 1315-2:1997

#### **Liigitus mõõtmete järgi - Osa 2: Okaspuu ümarpuit**

See Euroopa standard määrab kindlaks liigituse mõõtmete järgi okaspuu ümarpuidu tarvis, mille kavandatud kasutusviis on teadmata.

Keel en

Asendatud EVS-EN 1315:2010

#### **EVS-EN 1315-1:2001**

Identne EN 1315-1:1997

#### **Liigitus mõõtmete järgi - Osa 1: Lehtpuu ümarpuit**

See Euroopa standard määrab kindlaks langetatud lehtpuude üldliigituse mõõtmete järgi ja tähistused, mida tuleb kasutada.

Keel en

Asendatud EVS-EN 1315:2010

## 81 KLAASI- JA KERAAMIKA-TÖÖSTUS

### KAVANDITE ARVAMUSKÜSITLUS

#### **FprEN ISO 8894-1**

Identne FprEN ISO 8894-1:2010

Tähtaeg 30.05.2010

#### **Refractory materials - Determination of thermal conductivity - Part 1: Hot-wire methods (cross-array and resistance thermometer)**

This part of ISO 8894 describes the hot-wire methods ("cross-array" and "resistance thermometer") for the determination of the thermal conductivity of non-carbonaceous, dielectric refractory products and materials. This methods are applicable to dense and insulating refractories (shaped products, refractory castables, plastic refractories, ramming mixes, powdered or granular materials) with thermal conductivity values less than 1,5 W/m·K ("cross-array") and less than 15 W/m·K ("resistance thermometer") and thermal diffusivity values less than  $5 \times 10^{-6}$  m<sup>2</sup>/s. Thermal conductivity values can be determined at a room temperature up to 1 250 °C. The maximum temperature (1 250 °C) can be reduced by the maximum service limit temperature of the refractory, or by the temperature at which the refractory is no longer dielectric.

Keel en

Asendab EVS-EN 993-14:2000

## 83 KUMMI- JA PLASTITÖÖSTUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 1464:2010**

Hind 105,00

Identne EN 1464:2010

#### **Adhesives - Determination of peel resistance of adhesive bonds - Floating roller method**

This European Standard specifies a floating roller method for the determination of the peel resistance of adhesive bonds between one rigid adherend and one flexible adherend when tested under specified conditions of preparation and testing.

Keel en

Asendab EVS-EN 1464:2000; EVS-EN 1967:2003

#### **EVS-EN 14022:2010**

Hind 114,00

Identne EN 14022:2010

#### **Ehitusliimid. Mitmekomponendiliste liimainete kasutusaja (tööea) määramine**

This European Standard specifies means of determining in appropriate ways the variable property known alternatively as useable working life and pot life. This European Standard specifies five methods for the determination of the time available for use, each of which is related to specific circumstances; particularly important being the rheology of the adhesive concerned and its rate of reaction. This European Standard can also be used for assessing non-structural adhesives. NOTE EN 302-7 could also be used for the determination of working life of adhesives for load-bearing timber structures. Because of the different properties of the individual multi-component systems, like rheology or viscosity, respectively velocity of hardening, etc., not all methods can be applied to each multi-component system with the same suitability.

Keel en

Asendab EVS-EN 14022:2003

**EVS-EN 14294:2010**

Hind 124,00

Identne EN 14294:2010

**Adhesives for leather and footwear materials - Preparation of bonded test pieces by moulding-on processes**

This European Standard specifies procedures for the preparation of test pieces comprising adhesive coated leather or other footwear upper material onto which a soling material is moulded directly. The procedures described simulate direct vulcanising of rubber, injection moulding of thermoplastics and reaction moulding of polyurethane. The prepared test pieces are suitable for the test procedures described in EN 1392, to meet the requirements of EN 15307.

Keel en

Asendab EVS-EN 14294:2004

**EVS-EN 15416-3:2007+A1:2010**

Hind 105,00

Identne EN 15416-3:2007+A1:2010

**Adhesives for load bearing timber structures other than phenolic and aminoplastic - Test methods - Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear**

This European standard specifies a method for determining the creep deformation of bonded specimens loaded in bending shear. It is applicable to adhesives used in load-bearing timber structures. It is suitable for the following applications: a) for assessing the compliance of adhesives to EN 15425 Adhesives, One component polyurethane, for load bearing timber structures - Classification and performance requirements; b) for assessing the suitability and quality of adhesives for load-bearing timber structures. This test is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments. This method is not intended to provide numerical design data and does not necessarily represent the performance of the bonded member in service. It is not applicable for assessing the suitability of adhesives for the manufacture of wood-based panels

Keel en

Asendab EVS-EN 15416-3:2007

**EVS-EN ISO 2440:2000/A1:2010**

Hind 68,00

Identne EN ISO 2440:1999/A1:2010

ja identne ISO 2440:1997/Amd 1:2010

**Flexible and rigid cellular polymeric materials - Accelerated ageing tests**

This standard specifies, for flexible and rigid cellular polymeric materials, laboratory procedures which are intended to imitate the effects of naturally occurring reactions such as oxidation or hydrolysis by humidity.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 1464:2000**

Identne EN 1464:1994

**Liimid. Kõrgtugevusega liimühendustes rebimisele vastupanu määramine**

See Euroopa standard määrab kindlaks ujuva rulliku meetodi rebimisele vastupanu määramiseks kõrgtugevusega liimühenduses ühe jäiga ja teise painduva substraadi vahel, kui neid on ette valmistatud ja katsetatud spetsiaalsetel tingimustel.

Keel en

Asendatud EVS-EN 1464:2010

**EVS-EN 1967:2003**

Identne EN 1967:2002 + AC:2005

**Structural adhesives - Evaluation of the effectiveness of surface treatment techniques for aluminium using a wet peel test in association with the floating roller method**

The object of this method is the evaluation of the quality of a surface pretreatment used in the preparation of aluminium or its alloys

Keel en

Asendatud EVS-EN 1464:2010

**EVS-EN 14022:2003**

Identne EN 14022:2003

**Structural Adhesives - Determination of the pot life (working life) of multicomponent adhesives**

This European Standard specifies means of determining in appropriate ways the variable property known alternatively as useable working life and pot life. This standard specifies five methods for the determination of the time available for use, each of which is related to specific circumstances; particularly important being the rheology of the adhesive concerned and its rate of reaction

Keel en

Asendatud EVS-EN 14022:2010

**EVS-EN 14294:2004**

Identne EN 14294:2004

**Adhesives for leather and footwear materials - Preparation of bonded test pieces by moulding-on processes**

This Standard specifies procedures for the preparation of test pieces comprising adhesive coated leather or other footwear upper material onto which a soling material is moulded directly. The procedures described simulate direct vulcanising of rubber, injection moulding of thermoplastics and reaction moulding of polyurethane. The prepared test pieces are suitable for the test procedures described in EN 1392, to meet the requirements of EN 522 and EN 1391.

Keel en

Asendatud EVS-EN 14294:2010

## **EVS-EN 15416-3:2007**

Identne EN 15416-3:2007

### **Adhesives for load bearing timber structures - Test methods - Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear**

This European standard specifies a method for determining the creep deformation of bonded specimens loaded in bending shear. It is applicable to adhesives used in load-bearing timber structures. It is suitable for the following applications: a) for assessing the compliance of adhesives to prEN 15425 Adhesives, One component polyurethane, for load bearing timber structures - Classification and performance requirements; b) for assessing the suitability and quality of adhesives for load-bearing timber structures. This test is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments. This method is not intended to provide numerical design data and does not necessarily represent the performance of the bonded member in service. It is not applicable for assessing the suitability of adhesives for the manufacture of woodbased panels

Keel en

Asendatud EVS-EN 15416-3:2007+A1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN ISO 8510-2**

Identne FprEN ISO 8510-2:2010

ja identne ISO 8510-2:2006

Tähtaeg 30.05.2010

### **Adhesives - Peel test for a flexible-bonded-to-rigid test specimen assembly - Part 2: 180 degree peel**

This part of ISO 8510 specifies a 180° peel test for the determination, under specified conditions, of the peel resistance of a bonded assembly of two adherends where one adherend is flexible and the other is rigid. A 90° peel test, more suitable for use with less flexible adherends that crack, break or delaminate in the 180° peel test, is described in ISO 8510-1.

Keel en

Asendab EVS-EN 28510-2:2000

## **85 PABERITEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 1034-1:2000+A1:2010**

Hind 209,00

Identne EN 1034-1:2000+A1:2010

#### **Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 1: Üldised nõuded**

This standard applies to paper making and paper finishing machines. It contains definitions and requirements which apply to all paper making and paper finishing machines listed in annex A and shall be used in connection with the specific part applicable for the respective machine listed in annex A. Specific parts can contain additional requirements or deviations from EN 1034-1 in which case the specific stipulations take precedence over the specification made in EN 1034-1. The standard deals with the hazards listed in 4.

Keel en

Asendab EVS-EN 1034-1:2000

## **EVS-EN ISO 12625-12:2010**

Hind 145,00

Identne EN ISO 12625-12:2010

ja identne ISO 12625-12:2010

### **Tissue paper and tissue products - Part 12: Determination of tensile strength of perforated lines - Calculation of perforation efficiency**

This part of ISO 12625 specifies a test method for the determination of the tensile strength of perforated lines of tissue paper. It uses a tensile-testing apparatus operating with a constant rate of elongation. This method is only used for measuring machine-direction tensile strength, that is for cross-direction perforations on tissue paper. The calculation of perforation efficiency is also specified in this part of ISO 12625. It is expressly stated that the detection of impurities and contraries in tissue paper and tissue products can be carried out according to ISO 15755. For the determination of moisture content in tissue paper and tissue products, ISO 287 can be applied.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 1034-1:2000**

Identne EN 1034-1:2000

#### **Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 1: Üldised nõuded**

This standard applies to paper making and paper finishing machines. It contains definitions and requirements which apply to all paper making and paper finishing machines listed in annex A and shall be used in connection with the specific part applicable for the respective machine listed in annex A.

Keel en

Asendatud EVS-EN 1034-1:2000+A1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 1034-26**

Identne FprEN 1034-26:2010

Tähtaeg 30.05.2010

#### **Safety of machinery - Safety requirements for the design and construction of paper making and finishing**

#### **machines - Part 26: Roll packaging machines**

This European Standard applies to roll packaging machines for use in papermaking and applies together with EN 1034-1:2000+A1:2010. It deals with all significant hazards, hazardous situations and hazard events relevant to roll packaging machines, when used as intended and under the conditions foreseen by the manufacturer (see Clause 4). This document is not applicable to roll packaging machines which are manufactured before the date of publication as an EN.

Keel en

## 87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 50348:2010**

Hind 166,00

Identne EN 50348:2010

#### **Stationary electrostatic application equipment for non-ignitable liquid coating material - Safety requirements**

1.1 This European Standard specifies the requirements for stationary electrostatic application equipment for non-ignitable liquid coating materials which do not generate an explosive atmosphere inside the spraying area. A distinction is made between spraying systems corresponding to EN 50050 and spraying systems designed for higher discharge energies and/or currents. This European Standard also specifies the design-related requirements for a safe operation of the stationary equipment, including its electrical installations. 1.2 This European Standard considers two types of electrostatic spraying systems, see 5.1 for more details. 1.3 Noise has not been dealt with in this standard as it is not considered to be a significant hazard of stationary electrostatic application equipment for non-ignitable liquid coating material. For any other health protection, see EN 12215:2004, 5.5. For fire prevention and protection (e. g. fire hazards due to other sources), see also EN 12215:2004, 5.7.1. This European Standard deals with all significant hazards, hazardous situations and events, which are relevant for stationary electrostatic application equipment for non-ignitable liquid coating and cleaning materials which do not generate an explosive atmosphere inside the spraying area, provided they are used as intended by the manufacturer.

Keel en

Asendab EVS-EN 50348:2002

#### **EVS-EN ISO 9117-2:2010**

Hind 92,00

Identne EN ISO 9117-2:2010

ja identne ISO 9117-2:2010

#### **Paints and varnishes - Drying tests - Part 2: Pressure test for stackability**

This part of ISO 9117 specifies a test method for determining, under standard conditions, whether a single-coat film or a multi-coat system of paints or related materials, after a specified drying period, is sufficiently dry to resist damage when two painted surfaces or one painted surface and another surface are placed in contact under pressure. The method is intended to simulate the conditions when painted articles are stacked upon each other. NOTE In some countries, the test is called a "block resistance" test.

Keel en

Asendab EVS-EN ISO 4622:2000

#### **EVS-EN ISO 9117-3:2010**

Hind 80,00

Identne EN ISO 9117-3:2010

ja identne ISO 9117-3:2010

#### **Paints and varnishes - Drying tests - Part 3: Surface-drying test using ballotini**

This part of ISO 9117 specifies a test method for determining the surface-drying characteristics of a coating of a paint or varnish which dries by the action of air or by chemical reaction of its components. The method is not intended to apply to stoving products. The method described may be carried out: - as a "go/no go" test, by determining the surface-drying state after a specified time, to assess compliance with a particular requirement; - by determining the surface-drying state at suitable intervals until the surface-drying time is obtained.

Keel en

Asendab EVS-EN ISO 1517:2000

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 50348:2002**

Identne EN 50348:2001

#### **Automatic electrostatic spraying equipment for non-flammable liquid spraying material**

This European Standard specifies requirements for automatic electrostatic spraying equipment which is used for spraying non-flammable liquids which do not form explosive atmospheres in the spraying area. This applies also for paints that are classed as non-ignitable while spraying, e.g. water based paints (see annex A).

Keel en

Asendatud EVS-EN 50348:2010

#### **EVS-EN ISO 1517:2000**

Identne EN ISO 1517:1995

ja identne ISO 1517:1973

#### **Värvid ja lakid. Pinnakuivatuskatse. Ballotini meetod**

Standard esitab meetodi värv- või lakkattepinna kuivamise iseloomustamiseks, kui see kuivab õhu toime või oma komponentide keemilisel reageerimisel. Meetodit ei saa rakendada ahjus kuivatatavate toodete korral.

Keel en

Asendatud EVS-EN ISO 9117-3:2010

#### **EVS-EN ISO 4622:2000**

Identne EN ISO 4622:1994

ja identne ISO 4622:1992

#### **Värvid ja lakid. Surveteim virnastatavuse määramiseks**

See standard on üks standardiseeriast, mis käsitleb värvide, lakkide ja nendega seotud toodete proovivõtmist ja katsetamist. Standard esitab katsemeetodi, mis võimaldab standardtingimustel määrata, kas värvide või nendega seotud materjalide ühe- või mitmekihiline kelme on määratud kuivamisaja möödudes küllaldaselt kuiv, et vastu pidada kahjustusele, kui surve all puutuvad omavahel kokku kaks värvitud pinda või üks värvitud pind mõne muu pinnaga.

Keel en

Asendatud EVS-EN ISO 9117-2:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 16074**

Identne prEN 16074:2010

Tähtaeg 30.05.2010

#### **Paints and varnishes - Determination of non-volatile-matter content and spreading rate of coil coatings**

The method describes the gravimetric procedure for determining the percentage by mass of non-volatile matter (or percentage by mass of dry solid content) of the majority of thermally cured coil coatings and subsequently for determining the theoretical spreading rate. The method is not suitable for pure epoxy coil coatings.

Keel en

## **91 EHTUSMATERJALID JA EHTUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TR 14383-5:2010**

Hind 243,00

Identne CEN/TR 14383-5:2010

#### **Prevention of crime - Urban planning and building design - Part 5: Petrol stations**

This Technical Report gives guidelines for a recommended strategy for efficiently combating the different types of crime liable to be committed against petrol stations. NOTE Crimes that are liable to be committed against petrol stations could include: armed robbery, violent theft, burglary (usually by breaking in at night), theft, fraud (failure to pay, use of stolen credit cards or cheques and other frauds), arson, vandalism and other crimes and offences. This Technical Report is applicable to new and existing petrol station buildings that are open to and accessible by the public.

Keel en

#### **CEN/TS 15963:2010**

Hind 145,00

Identne CEN/TS 15963:2010

#### **Bitumen and bituminous binders - Determination of the fracture toughness temperature by a three point bending test on a notched specimen**

This Technical Specification specifies a method for the determination of the Fracture Toughness temperature, TFT, of bituminous binders by means of a three point bending test on a notched binder sample. WARNING — The use of this Technical Specification can involve hazardous materials, operations and equipment. This Technical Specification does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this Technical Specification to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel en

#### **EVS 906:2010**

Hind 198,00

#### **Mitteeluhoonete ventilatsioon. Üldnõuded ventilatsiooni- ja ruumiõhu konditsioneerimissüsteemidele. Eesti rahvuslik lisa standardile EVS-EN 13779:2007**

Käesolev Eesti standard käsitleb mitteiluhoonete ruumides nõutavate õhuparameetrite tagamist vajaliku õhuvahetuse organiseerimise teel, arvestades nii sise- kui välisõhu arvutuslike parameetrite, maksimaalselt lubatava mürataseme kui ka tervishoiu- ja ökonoomikaalaste nõuetega. Standardis ei dubleerita standardis EVS-EN 13779:2007 esitatut, küll aga aktsepteeritakse standardis antud projekteerimiskriteeriume ja kõiki nõudeid nii ruumidele kui süsteemidele, samuti õhuliikide ja süsteemide spetsifitseerimist ning kõike, mis seondub sisekliimaga.

Keel et

Asendab EVS 845-1:2004; EVS 845-2:2004; EVS 845-3:2004

#### **EVS-EN 196-6:2010**

Hind 145,00

Identne EN 196-6:2010

#### **Tsemendi katsetamine. Osa 6: Peenuse määramine**

This European Standard describes three methods of determining the fineness of cement. The sieving method serves only to demonstrate the presence of coarse cement particles. This method is primarily suited to checking and controlling the production process. The air-jet sieving method measures the retention on sieving and is suitable for particles which substantially pass a 2,0 mm test sieve. It may be used to determine the particle size distribution of agglomerates of very fine particles. This method may be used with test sieves in a range of aperture sizes, e.g. 63 µm and 90 µm. The air permeability method (Blaine) measures the specific surface (mass related surface) by comparison with a reference cement sample. The determination of the specific surface serves primarily to check the consistency of the grinding process of one and the same plant. This method only enables a limited assessment to be made of the properties of the cement in use. NOTE The air permeability method may not give significant results for cements containing ultrafine materials. The methods are applicable to all the cements defined in EN 197.

Keel en

Asendab EVS-EN 196-6:1997

**EVS-EN 1366-5:2010**

Hind 178,00

Identne EN 1366-5:2010

**Fire resistance tests for service installations - Part 5: Service ducts and shafts**

This European Standard specifies a method for determining the fire resistance of horizontal service ducts and vertical service shafts, which pass through walls or floors and enclose pipes and cables. The test examines the behaviour of ducts and shafts exposed to fire from outside and from inside the duct. This European Standard is intended to be read in conjunction with EN 1363-1. This European Standard does not examine the risk of fire spread as a result of thermal conduction along the piping installed in service ducts or shafts, or thermal conduction through the media these pipes carry. It does not cover the risk of damage produced by thermal elongation or shortening of tubes and cables as a result of fire, or damaged pipe suspensions. This European Standard does not give guidance on how to test one, two or three sided service ducts or shafts.

Keel en

Asendab EVS-EN 1366-5:2003

**EVS-EN 1991-2:2004/AC:2010**

Hind 0,00

Identne EN 1991-2:2003/AC:2010

**Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 2: Sildade liikluskoormused**

Keel en

**EVS-EN 1991-1-7:2006/AC:2010**

Hind 0,00

Identne EN 1991-1-7:2006/AC:2010

**Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 1-7: Üldkoormused. Erakorralised koormused**

Keel en

**EVS-EN 1993-4-2/NA:2010**

Hind 92,00

**Eurokoodeks 3 - Teraskonstruksioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa**

Eurokoodeksi 3 osas 4.2 on toodud eeskirjad ja rakendusjuhised, et ehituslikult projekteerida vedeltoodete salvestamiseks mõeldud püstseid silindrilisi ja püstkülikulisi terasest vedelikumahuteid, mis on alusele toetatud ja millel on järgmised iseloomustavad tunnused:

a) sisemine tunnussurve vedeliku pinna nivool – mitte väiksem kui 100 mbar ja mitte suurem kui 500 mbar; b) metalli projekttemperatuur on vahemikus –50 °C kuni +300 °C. Austeniit- või roostevabadest terastest mahutite puhul võib temperatuur olla vahemikus –165 °C kuni +300 °C. Väsimuskoormuste puhul peaks temperatuur olema piiratud tingimusega  $T < 150$  °C; c) vedeliku maksimaalne projektnivoo mitte kõrgemal kui silinderkooriku või püstkülikmahuti ülaseriv.

Keel et

Asendab EVS 1993-4-2:2003

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

Hind 256,00

Identne EN 1993-4-2:2007+AC:2009

ja identne EVS-EN 1993-4-2/NA:2010

**Eurokoodeks 3 - Teraskonstruksioonide projekteerimine. Osa 4-2: Vedelikumahutid**

Eurokoodeksi 3 osas 4.2 on toodud eeskirjad ja rakendusjuhised, et ehituslikult projekteerida vedeltoodete salvestamiseks mõeldud püstseid silindrilisi ja püstkülikulisi terasest vedelikumahuteid, mis on alusele toetatud ja millel on järgmised iseloomustavad tunnused:

a) sisemine tunnussurve vedeliku pinna nivool – mitte väiksem kui 100 mbar ja mitte suurem kui 500 mbar; b) metalli projekttemperatuur on vahemikus –50 °C kuni +300 °C. Austeniit- või roostevabadest terastest mahutite puhul võib temperatuur olla vahemikus –165 °C kuni +300 °C. Väsimuskoormuste puhul peaks temperatuur olema piiratud tingimusega  $T < 150$  °C; c) vedeliku maksimaalne projektnivoo mitte kõrgemal kui silinderkooriku või püstkülikmahuti ülaseriv.

Keel et

Asendab EVS 1993-4-2:2003

**EVS-EN 1993-4-3:2007+NA:2010**

Hind 229,00

Identne EN 1993-4-3:2007+AC:2009

ja identne EVS-EN 1993-4-3/NA:2010

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-3: Torujuhtmed**

Eurokoodeksi 3 käesolev osa 4-3 esitab põhimõtted ja rakendusjuhised ehituslikuks projekteerimiseks silindriliste terasest torustike jaoks, mis on ette nähtud vedelike või gaaside või vedelike ja gaaside segude transportimiseks keskkonnatemperatuuril, mida pole käsitletud detailset rakendust hõlmavates muudes Euroopa standardites.

Keel et

**EVS-EN 1993-4-3/NA:2010**

Hind 92,00

**Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-3: Torujuhtmed. Eesti standardi rahvuslik lisa**

Eurokoodeksi 3 käesolev osa 4-3 esitab põhimõtted ja rakendusjuhised ehituslikuks projekteerimiseks silindriliste terasest torustike jaoks, mis on ette nähtud vedelike või gaaside või vedelike ja gaaside segude transportimiseks keskkonnatemperatuuril, mida pole käsitletud detailset rakendust hõlmavates muudes Euroopa standardites.

Keel et

**EVS-EN 1998-3:2005/AC:2010**

Hind 0,00

Identne EN 1998-3:2005/AC:2010

**Eurokoodeks 8: Maavärinat taluvate konstruktsioonide projekteerimine. Osa 3: Hoonete olukorra hindamine ja taastamistööd**

Keel en

**EVS-EN 12269-2:2010**

Hind 114,00

Identne EN 12269-2:2010

**Determination of the bond behaviour between reinforcing steel and autoclaved aerated concrete by the beam test - Part 2: Long term test**

This document specifies a method of determining the long term bond behaviour between reinforcing bars and autoclaved aerated concrete (AAC) in prefabricated reinforced components according to EN 12602. The test method is conceived to obtain values for the long term bond strength  $f_{b,l}$  which are obtained in a final short term test. The test is performed for different combinations of AAC type, bar shape, and corrosion protection systems.

Keel en

Asendab EVS-EN 12269-2:2004

**EVS-EN 13947:2007/AC:2010**

Hind 0,00

**Rippfassaadide soojustehniline toimivus.****Soojusjuhtivuse arvutamine**

Standardiparandus standardile EVS-EN 13947:2007

Keel et

**EVS-EN 14064-1:2010**

Hind 256,00

Identne EN 14064-1:2010

**Ehitiste termoisolatsioon. In situ kergmineraalvilla (IMW) tooted. Osa 1: Spetsifikatsioonid mineraalvillale enne paigaldamist**

This European Standard specifies the requirements for blown loose-fill mineral wool products for in-situ installation in lofts, masonry cavity walls and frame constructions. This European standard is a specification for the insulation products before installation. It describes the product characteristics and includes procedures for testing, marking and labelling. This document does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards.

Keel en

**EVS-EN 14064-2:2010**

Hind 166,00

Identne EN 14064-2:2010

**Ehitiste termoisolatsioon. In situ kergmineraalvilla (IMW) tooted. Osa 2: Paigaldatud toodete spetsifikatsioon**

This European Standard specifies the requirements for blown loose-fill mineral wool products installed in lofts, masonry cavity walls and frame constructions. This European standard is a specification for the installed insulation products. This European standard describes, when taken together with Part 1 of EN 14064, the product characteristics that are linked to the essential requirements of the EU Construction Products Directive. It also specifies the checks and tests to be used for the declarations made by the installer of the product and the rules for the evaluation of conformity.

Keel en

**EVS-EN 14250:2010**

Hind 198,00

Identne EN 14250:2010

**Puitkonstruktsioonid. Tootenõuded konstruktsioonilistele ogaplaatlidetega valmiselementidele**

This European Standard specifies material, product and documentation requirements for prefabricated structural members (e.g. trusses for roofs, walls and floors, frames, composite beams and girders) for use in buildings made from solid structural timber according to EN 14081-1 with or without finger joints assembled with punched metal plate fasteners. This document is valid for trusses with lengths up to 35 m and for other prefabricated structural members with spans up to 12 m. The standard also covers tests and/or calculation methods to carry out the evaluation of conformity, requirements for the marking of these members, and external conditions (service class 3 in accordance with EN 1995-1-1 or use classes 3, 4 and 5 in accordance with EN 335-1). As regards resistance to biological organisms, this standard covers prefabricated structural members manufactured from either untreated timber or timber treated to improve its natural durability. This standard does not cover prefabricated timber structural members intended to be used in constructions under predominantly dynamic loads (e.g. bridges) or for use in unprotected external conditions (i.e. use class 3 in accordance with EN 335-1). Furthermore, it does not cover members treated to improve their fire performance.

Keel en

Asendab EVS-EN 14250:2005

**EVS-EN 14353:2007+A1:2010**

Hind 198,00

Identne EN 14353:2007+A1:2010

**Kipsplaatkonstruktsioonide abikarkassid ja tugevdusliistud. Määratlused, nõuded ja katsemeetodid**

This European Standard specifies the characteristics and performance of metal beads, metal beads combined with paper tape and metal feature profiles designed for use in systems made with gypsum plasterboards, gypsum boards with fibrous reinforcement and products from secondary processing complying with the ENs shown in Figure 2, intended to be used in building construction works. Metal beads and feature profiles, depending upon their material and type, can be featured without decoration, decorated or finished with jointing compounds to receive decoration. It covers the following performance characteristics: reaction to fire and flexural strength (bending behaviour) to be measured according to the corresponding European test methods. It provides for the evaluation of conformity of the product to this EN. This European Standard covers also additional technical characteristics that are of importance for the use and acceptance of the product by the construction industry and the reference tests for these characteristics.

Keel en

Asendab EVS-EN 14353:2008

**EVS-EN 15037-4:2010**

Hind 243,00

Identne EN 15037-4:2010

**Betoonvalmistooted. Põrandate tala-plokküsteemid. Osa 4: Vahtpolüstüreenplokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in expanded polystyrene (EPS), 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 systems. EPS block may be totally made in EPS or combined with different materials such as plaster or wood wool. If EPS is combined with other materials, these materials should not contribute to more than 50 % of the mechanical resistance of the block. If not, the block is covered by EN 15037-5, Precast concrete products — Beam-and-block floor systems — Part 5: Lightweight blocks for simple formwork. Examples of typology of floor systems are given in Annex B of EN 15037-1:2008.

Keel en

**EVS-EN 15269-1:2010**

Hind 114,00

Identne EN 15269-1:2010

**Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 1: General requirements**

This European Standard sets out the general principles for the extended application of test results obtained on fire resisting and smoke control doorsets, i.e. the types of pedestrian and industrial doors and openable windows listed in the Introduction above when tested in accordance with EN 1634-1 and/or EN 1634-3. This document provides the general principles which are intended to be used in conjunction with the relevant part of EN 15269 depending upon the specific product type to be evaluated. The rules to evaluate the field of direct application of fire resisting or smoke control door, shutter and openable window assemblies are given in EN 1634-1 and EN 1634-3 respectively and are based on the results of a single test. These rules relate to the more common forms of product constructions for which experience of testing has provided the knowledge that such variations can be safely accepted. The extent of the permitted variations is generally conservative and is based on the minimum level of common agreement achieved.

Keel en

**EVS-EN 15304:2010**

Hind 155,00

Identne EN 15304:2010

**Determination of the freeze-thaw resistance of autoclaved aerated concrete**

This document specifies a method of determining the freeze-thaw resistance of autoclaved aerated concrete (AAC) manufactured according to EN 12602 or EN 771-4.

Keel en

Asendab EVS-EN 15304:2007

**EVS-EN 15651-1:2010**

Hind 114,00

Identne EN 15651-1:2010

**Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 1: Sealants for facade elements**

This European Standard specifies definitions and requirements for non-structural facade sealants intended for sealing exterior wall joints, window and door perimeter joints in building construction, including the interior face. NOTE Provisions on evaluation of conformity (i.e. Initial Type Testing and Factory Production Control) and marking of these products are given in EN 15651-5. This European Standard does not apply to non-structural sealants in any of non-paste form, to those used in internal walls and/or partitions and to oil-based mastics.

Keel en

**EVS-EN 15651-2:2010**

Hind 124,00

Identne EN 15651-2:2010

**Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 2: Sealants for glazing**

This European Standard specifies definitions and requirements for non-structural elastic sealants used for sealing glazing in building construction applications. It covers glazing joints from 7° horizontal. Main areas of application are: - glass to glass; - glass to frame; - glass to porous substrates. Excluding aquariums, structural bonding/glazing, inner and outer seal to manufacture insulated glazing units, horizontal glazing (below 7°), organic glass (e.g. polycarbonate, PMMA, etc.).

Keel en

**EVS-EN 15651-3:2010**

Hind 114,00

Identne EN 15651-3:2010

**Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 3: Sealants for sanitary joints**

This European Standard specifies definitions and requirements for sealants used for sealing of joints applied in sanitary areas in the interior of buildings exposed to non-pressurized water. It covers joints in: - bathrooms; - toilets; - showers; - domestic kitchens. Industrial, drinking water, underwater (swimming pools, sewage systems, etc.) and food contact applications are excluded from the scope. This European Standard does not provide criteria or recommendations for the design of joints and installation of sealants in sanitary applications.

Keel en



**EVS-EN 15651-4:2010**

Hind 145,00

Identne EN 15651-4:2010

**Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 4: Sealants for pedestrian walkways**

This document specifies definitions and requirements for cold applied non-structural elastic sealants used for movement joints in floors in building construction for interior and exterior use. Areas of application are: floor joints designed for pedestrian walkways, public areas, movement joints between concrete slabs, areas with pedestrian load, areas used with trolleys, walkable floors, balconies, terraces, warehouses. NOTE Provisions on evaluation of conformity (i.e. Initial Type Testing and Factory Production Control) and marking of these products are given in EN 15651-5. Chemical containment, cold applied joint sealants for concrete pavements to be used in roads, airfields and sewage treatment plants, perimeter seals are excluded.

Keel en

**EVS-EN 15651-5:2010**

Hind 92,00

Identne EN 15651-5:2010

**Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 5: Evaluation of conformity and marking**

This European Standard specifies procedures for evaluation of conformity, marking and labelling of non-structural sealants for joints in building construction according to EN 15651-1, EN 15651-2, EN 15651-3 or EN 15651-4 dealing with sealants for non-structural use in joints in building construction and pedestrian walkways.

Keel en

**EVS-EN 15743:2010**

Hind 178,00

Identne EN 15743:2010

**Supersulfaattsement. Koostis, spetsifikatsioonid ja vastavuskriteeriumid**

This European Standard defines and gives the specifications of supersulfated cement and its constituents. The definition of supersulfated cement includes the proportions in which the constituents are to be combined to produce products in accordance with this standard. The definition also includes requirements the constituents have to meet and the mechanical, physical, chemical including heat of hydration requirements. This standard also states the conformity criteria and the related rules.

Keel en

**EVS-EN 15848:2010**

Hind 135,00

Identne EN 15848:2010

**Water conditioning equipment inside buildings - Adjustable chemical dosing systems - Requirements for performance, safety and testing**

This European Standard specifies definitions, principles of construction (but not dimensions) and design, requirements on performance and operation as well as methods for testing the performance of adjustable chemical dosing systems for conditioning water intended for human consumption inside buildings (see [1]) which are permanently connected to the mains supply. The concentration in the treated water of the active chemical(s) as well as of any other ingredient or minor component (including possible contaminants) should not exceed the parametric values laid down in the existing legislation in the Member States for the water intended for the human consumption, as implemented by the national authorities.

Keel en

**EVS-EN 60335-2-97:2007/A2:2010**

Hind 92,00

Identne EN 60335-2-97:2006/A2:2010

ja identne IEC 60335-2-97:2002/A2:2008

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded rulooste, markiiside, ruloode ja muude taoliste seadmete ajamitele**

This International Standard deals with the safety of electric drives for rolling equipment such as shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Drives for equipment with a spring-controlled driven part, such as a folding arm awning, are also within the scope of this standard.

Keel en

**EVS-EN ISO 10077-2:2003/AC:2010**

Hind 0,00

**Akende, uste ja luukide soojustehniline toimivus. Soojusjuhtivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod**

Standardiparandus standardile EVS-EN ISO 10077-2:2003

Keel et

**EVS-EN ISO 14713-3:2010/AC:2010**

Hind 0,00

Identne EN ISO 14713-3:2009/AC:2010

**Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 3: Sherardizing**

Keel en

## **EVS-HD 60364-5-56:2010**

Hind 145,00

Identne HD 60364-5-56:2010

ja identne IEC 60364-5-56:2009

### **Low-voltage electrical installations -- Part 5-56: Selection and erection of electrical equipment - Safety services**

This part of HD 60364 covers general requirements for safety services, selection and erection of electrical supply systems for safety services and electrical safety sources. Standby electrical supply systems are outside the scope of this part. This part does not apply to installations in hazardous areas (BE3), for which requirements are given in EN 60079-14.

Keel en

Asendab EVS-HD 384.5.56 S1:2003

## **EVS-HD 60364-5-551:2010**

Hind 135,00

Identne HD 60364-5-551:2010

ja identne IEC 60364-5-55:2001/A2:2008 (CLAUSE 551)

### **Madalpingelised elektripaigaldised. Osa 5-55: Elektriseadmete valik ja paigaldamine. Muud seadmed. Jaotis 551: Madalpingelised generaatoragregaadid**

This clause provides requirements for the selection and erection of low-voltage and extra-low voltage generating sets intended to supply, either continuously or occasionally, all or part of the installation. Requirements are also included for installations with the following supply arrangements: - supply to an installation which is not connected to a system for distribution of electricity to the public; - supply to an installation as an alternative to a system for distribution of electricity to the public; - supply to an installation in parallel with a system for distribution of electricity to the public supply;- appropriate combinations of the above. This part does not apply to self-contained items of extra-low voltage electrical equipment which incorporate both the source of energy and the energy-using load and for which a specific product standard exists that includes the requirements for electrical safety.

Keel en

## **EVS-HD 60364-7-709:2009/AC:2010**

Hind 0,00

Identne HD 60364-7-709:2009/Corr:2010

### **Madalpingelised elektripaigaldised. Osa 7-709: Nõuded eripaigaldistele ja -paikadele. Huvisõidusadamad ja muud samalaadsed paigad**

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS 845-1:2004**

ja identne EVS 845-1:2004

#### **Hoonete ventilatsiooni projekteerimine. Osa 1: Üldnõuded**

Standardis käsitletakse ruumides nõutavate õhuparameetrite tagamist vajaliku õhuvahetuse organiseerimise teel, arvestades nii sise- kui välisõhu arvutuslike parameetritega, maksimaalselt lubatava müratasemega ning tervishoiu- ja ökonoomika-alaste nõuetega. Käesolevast standardist tuleb lähtuda ka õhkkütte ja õhu konditsioneerimise kavandamisel. Tööstushoonete ventilatsiooni projekteerimisel tuleb juhinduda ohtlike ainete piinormidest töökeskkonnas.

Keel et

Asendatud EVS 906:2010

### **EVS 845-2:2004**

ja identne EVS 845-2:2004

#### **Hoonete ventilatsiooni projekteerimine. Osa 2: Ventilatsiooniseadmete valik**

Käesolevas standardis esitatakse nõuded ventilatsiooniseadmete valikuks ventilatsiooniprojektides ning elamute, suurtöökojade ja garaažide ventilatsiooni projekteerimise põhikriteeriumid.

Keel et

Asendatud EVS 906:2010

### **EVS 845-3:2004**

ja identne EVS 845-3:2004

#### **Hoonete ventilatsiooni projekteerimine. Osa 3: Erinõuded**

Käesolevas standardis esitatakse ventilatsiooni projekteerimise kriteeriume koolieelsetes lasteasutustes, koolides, kontorihoonetes ja koosolekusaalides ning on käsitatud ventilatsiooniseadmete automaatreguleerimist.

Keel et

Asendatud EVS 906:2010

### **EVS-EN 196-6:1997**

Identne EN 196-6:1989

#### **Tsemendi katsetamine. Osa 6: Peenuse määramine**

Käesolev standard kirjeldab tsemendi peenuse määramise kahte meetodit. Sõelumismeetod näitab ainult jämedate tsemendiosakeste olemasolu. Esmajärjekorras on see ette nähtud tootmisprotsessi kontrollimiseks ja juhtimiseks. Õhuläbivuse meetodiga (Blaine meetod) määratakse eripind (pinna ja massi suhe) võrreldes etalonprooviga. Eripinna määramine on ette näh eelkõige ühe ja sama tehase jahvatusprotsessi kontrollimiseks. Antud meetod võimaldab siiski ainult kasutatava tsemendi omaduste piiratud määramist.

Keel et

Asendatud EVS-EN 196-6:2010

### **EVS-EN 12269-2:2004**

Identne EN 12269-2:2003

#### **Determination of the bond behaviour between reinforcing steel and autoclaved aerated concrete by the beam test - Part 2: Long term test**

This European Standard specifies a method of determining the long term bond behaviour between reinforcing bars and autoclaved aerated concrete (AAC) in prefabricated reinforced components according to prEN 12602. The test method is conceived to obtain values for the long term bond strength  $f_{b,l}$  which are obtained in a final short term test. The test is performed for different combinations of AAC type, bar shape, and corrosion protection systems.

Keel en

Asendatud EVS-EN 12269-2:2010

### **EVS-EN 13238:2002**

Identne EN 13238:2001

#### **Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates**

This standard specifies the conditioning procedures for samples of building products, and the rules for the selection of substrates for floor coverings and wall/ceiling surface products, when carrying out reaction to fire tests.

Keel en

Asendatud EVS-EN 13238:2010

**EVS-EN 14250:2005**

Identne EN 14250:2004

**Puitkonstruktsioonid. Tootenõuded konstruktsioonilistele ogaplaatliidetele valmiselementidele**

Käesolev standard määrab kindlaks tootenõuded ehitistes ja sildades kasutatavatele sõrmjätkatud või jätkamata ehituspuidust valmistatud stantsitud metallplaatkinnititega koostatud konstruktsioonilistele valmiselementidele (nt fermid ja talad).

Keel et

Asendab EVS-EN 1059:2000

Asendatud EVS-EN 14250:2010

**EVS-EN 14353:2008**

Identne EN 14353:2007

**Kipsplaatkonstruktsioonide abikarkassid ja tugevdusliistud. Määratlused, nõuded ja katsemeetodid**

This European Standard specifies the characteristics and performance of metal beads, metal beads combined with paper tape and metal feature profiles designed for use in systems made with gypsum plasterboards, gypsum boards with fibrous reinforcement and products from secondary processing complying with the ENs shown in Figure 2, intended to be used in building construction works. Metal beads and feature profiles, depending upon their material and type, can be featured without decoration, decorated or finished with jointing compounds to receive decoration. It covers the following performance characteristics: reaction to fire and flexural strength (bending behaviour) to be measured according to the corresponding European test methods. It provides for the evaluation of conformity of the product to this EN. This European Standard covers also additional technical characteristics that are of importance for the use and acceptance of the product by the construction industry and the reference tests for these characteristics.

Keel en

Asendatud EVS-EN 14353:2007+A1:2010

**EVS-EN 15304:2007**

Identne EN 15304:2007

**Determination of the freeze-thaw resistance of autoclaved aerated concrete**

This document specifies a method of determining the freeze-thaw resistance of autoclaved aerated concrete manufactured according to prEN 12602 or EN 771-4.

Keel en

Asendatud EVS-EN 15304:2010

**EVS-HD 384.5.56 S1:2003**

Identne HD 384.5.56 S1:1985

**Electrical installations of buildings - Part 5: Selection an erection of electrical equipment - Chapter 56: Supplies for safety services**

The scope of this harmonisation Document is Cenelec Harmonisation Document HD 384.1

Keel en

Asendatud EVS-HD 60364-5-56:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 12158-1:2006/FprA1**

Identne EN 12158-1:2000/FprA1:2010

Tähtaeg 30.05.2010

**Ehituse kaubatõstukid. Osa 1: Ligipääsetavate platvormidega tõstukid**

This standard deals with power operated temporarily installed builders hoists intended for use by persons who are permitted to enter sites of engineering and construction, serving defined landing levels, having a load carrying device: - designed for the transportation of goods only; - guided

Keel en

**EN 12158-2:2001/FprA1**

Identne EN 12158-2:2000/FprA1:2010

Tähtaeg 30.05.2010

**Ehituse kaubatõstukid. Osa 2: Juurdepääsmatute kandeseadmetega kaldtõstukid**

This standard deals with power operated temporarily installed builders hoists intended for use by persons who are permitted to enter sites of engineering and construction, serving either one upper landing or a work area extending to the end of the guides, (e.g. a roof) having a load carrying device (lcd).

Keel en

**EN 12629-1:2000/FprA1**

Identne EN 12629-1:2000/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 1: Ühtsed nõuded**

This European Standard applies to machines and assemblies for the manufacture of constructional products from concrete and/or calcium silicate as listed in Annex A of this part. It gives concepts and general and common requirements for the design, operation and maintenance of such machines.

Keel en

**EN 12629-2:2003/FprA1**

Identne EN 12629-2:2002/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 2: Plokivalmistamise masinad**

This European Standard applies to machines for the manufacture of blocks, kerbs, paving stones and similar concrete products. This European Standard deals with all significant hazards pertinent to these machines, when they are used as intended under the conditions foreseen by the manufacturer (see clause 4). This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards

Keel en

**EN 12629-3:2003/FprA1**

Identne EN 12629-3:2002/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 3: Liuguri ja pöördlauaga masinad**

This European Standard applies to machines for the manufacture of constructional products of calcium silicate or concrete, where the mould(s) is (are) mounted on a turning or slide moving table. The motive power for compressing the mixture is effected either mechanically (annexes A, B), or hydraulically (annexes C and D)

Keel en

**EN 12629-4:2001/FprA1**

Identne EN 12629-4:2001/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 4: Betoonist katuseplaatide valmistamise masinad**

This standard shall be used together with EN 12629-1:2000 Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 1: Common requirements, which specifies general requirements of machines for the manufacture of constructional products from concrete and calcium-silicate.

Keel en

**EN 12629-5-1:2004/FprA1**

Identne EN 12629-5-1:2003/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-1: Torude valmistamiseks mõeldud masinad, valmistamisega ümber vertikaaltelje**

This European Standard applies to machines for vertical manufacture of pipes, manholes and similar elements from concrete. This European Standard deals with the significant hazards listed in clause 4, when used as intended under the conditions foreseen by the manufacturer. This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, except noise hazards.

Keel en

**EN 12629-5-4:2004/FprA1**

Identne EN 12629-5-4:2003/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-4: Betoonitorude pinnakatmismasinad**

This European Standard applies to pipe prestressing machines. This European Standard deals with the significant hazards listed in clause 4, when used as intended under the conditions foreseen by the manufacturer. This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, except noise hazards.

Keel en

**EN 12629-5-3:2004/FprA1**

Identne EN 12629-5-3:2003/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-3: Torude eelpingestamise masinad**

This European Standard applies to pipe prestressing machines. This European Standard deals with the significant hazards listed in clause 4, when used as intended under the conditions foreseen by the manufacturer. This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, except noise hazards.

Keel en

**EN 12629-5-2:2004/FprA1**

Identne EN 12629-5-2:2003/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-2: Torude valmistamiseks mõeldud masinad valmistamisega ümber horisontaaltelje**

This European Standard applies to machines for the manufacture of pipes in the horizontal axis and similar elements from concrete. This European Standard deals with the hazards listed in clause 4, when used as intended under the conditions foreseen by the manufacturer (see clause 4). This European Standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards, except noise hazards.

Keel en

**EN 12629-6:2004/FprA1**

Identne EN 12629-6:2004/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 6: Statsionaarne ja mobiilne tehnika fassaadikivide tootmiseks**

This European Standard is intended to be used together with EN 12629-1:2000 "Machines for the manufacture of constructional products from concrete and calcium-silicate — Safety — Part 1: Common requirements", which specifies general requirements of machines for the manufacture of constructional products from concrete and calcium-silicate.

Keel en

**EN 12629-7:2004/FprA1**

Identne EN 12629-7:2004/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 7: Statsionaarsed ja liikuvad seadmed eelpingestatud toodete valmistamisel pikal liinil**

This European Standard is intended to be used together with EN 12629-1 "Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 1: Common requirements", which specifies general requirements of machines for the manufacture of constructional products from concrete and calcium-silicate.

Keel en

**EN 12629-8:2003/FprA1**

Identne EN 12629-8:2002/FprA1:2010

Tähtaeg 30.05.2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 8: Masinad ja seadmed konstruktsioonielementide valmistamiseks kaltsiumsilikaadist (ja betoonist)**

This European Standard applies to hydraulic machines for the manufacture of bricks, blocks and elements of calcium-silicate (as illustrated in annexes A and B)

Keel en

**EN ISO 10052:2005/FprA1**

Identne EN ISO 10052:2004/FprA1:2010

ja identne ISO 10052:2004/FDAM 1:2010

Tähtaeg 30.05.2010

**Acoustics - Field measurements of airborne and impact sound insulation and of service equipment sound - Survey method**

This European Standard specifies field survey methods for measuring: a) airborne sound insulation between rooms; b) impact sound insulation of floors; c) airborne sound insulation of façades; and d) sound pressure levels in rooms caused by service equipment. The methods described in this European Standard are applicable for measurements in rooms of dwellings or in rooms of comparable size with a maximum of 150 m<sup>3</sup>.

Keel en

**FprEN 998-1**

Identne FprEN 998-1:2010

Tähtaeg 30.05.2010

**Müürimörtide spetsifikatsioon. Osa 1: Krohvimört**

This European Standard is applicable to factory made rendering/plastering mortar based on inorganic binders for external (rendering) and internal (plastering) use on walls, ceilings, columns and partitions. It contains definitions and final performance requirements. It does not cover mortars where calcium sulphate binder is the principle active binding agent. Calcium sulphate binder can be used as an additional binder together with air lime. If air lime is the principle active binding component, the rendering/plastering mortar is covered by this European Standard. If the calcium sulphate binder is the principle active binding component, the mortar is covered by EN 13279. The classification is carried out by the producer of the mortar.

Keel en

Asendab EVS-EN 998-1:2003

**FprEN 998-2**

Identne FprEN 998-2:2010

Tähtaeg 30.05.2010

**Müürimörtide spetsifikatsioon. Osa 2: Müürimört**

This European Standard specifies requirements for factory made masonry mortars (bedding, jointing and pointing) for use in masonry walls, columns and partitions (e.g. facing and rendered masonry, load bearing or non-load bearing masonry structures for building and civil engineering). This European Standard defines for fresh mortars the performance related to workable life, chloride content, air content, density and correction time (for thin-layer mortars only). For hardened mortars it defines e.g. performances related to compressive strength, bond strength, density measured according to the corresponding test methods contained in separate European Standards. Standards.

Keel en

Asendab EVS-EN 998-2:2003

**FprEN ISO 15186-2**

Identne FprEN ISO 15186-2:2010

ja identne ISO 15186-2:2003

Tähtaeg 30.05.2010

**Acoustics - Measurement of sound insulation in buildings and of building elements using sound intensity - Part 2: Field measurements**

This part of ISO 15186 specifies a sound intensity method to determine the in-situ sound insulation of walls, floors, doors, windows and small building elements. It is intended for measurements that have to be made in the presence of flanking transmission. It can be used to provide sound power data for diagnostic analysis of flanking transmission or to measure flanking sound insulation parameters. This part of ISO 15186 can be used by laboratories that could not satisfy the requirements of ISO 15186-1, which deals with laboratory measurements with no or little flanking transmission. ISO 15186-3 deals with measurements under laboratory conditions, at low frequencies.

Keel en

**FprEN ISO 15186-3**

Identne FprEN ISO 15186-3:2010

Tähtaeg 30.05.2010

**Acoustics - Measurement of sound insulation in buildings and of building elements using sound intensity - Part 3: Laboratory measurements at low frequencies**

This part of ISO 15186 specifies a sound intensity method to determine the sound reduction index and the element-normalized level difference of building elements at low frequencies. This method has significantly better reproducibility in a typical test facility than those of ISO 140-3, ISO 140-10 and ISO 15186-1. The results are more independent of the room dimensions of the laboratory and closer to values that would be measured between rooms of volume greater than 300 m<sup>3</sup>. This part of ISO 15186 is applicable in the frequency range 50 Hz to 160 Hz but is mainly intended for the frequency range 50 Hz to 80 Hz.

Keel en

**FprHD 60364-5-54**

Identne FprHD 60364-5-54:2010

ja identne IEC 60364-5-54:201X

Tähtaeg 30.05.2010

**Madalpingelised elektripaigaldised. Osa 5-54: Elektriseadmete valik ja paigaldamine. Maandamine, kaitsejuhid ja kaitse-potentsiaalühtlustusjuhid**

This part of IEC 60364 addresses the earthing arrangements and protective conductors including protective bonding conductors in order to satisfy the safety of the electrical installation.

Keel en

Asendab EVS-HD 60364-5-54:2007

**prEN 594**

Identne prEN 594:2010

Tähtaeg 30.05.2010

**Puitkonstruktsioonid. Katsemeetodid. Puitraamiga seinaplaatide tõmbetugevus ja jäikus**

This standard specifies the test method to be used in determining the racking strength and stiffness of timber frame wall panels. The test method is intended primarily for panels as described, to provide: -comparative performance values for the materials used in the manufacture of the panels, and -datum information for use in structural design. The principle of the test method is suited to other sizes and shapes of panels and to other methods of hold down as well as panels which are partially sheathed and to combinations of panels.

Keel en

Asendab EVS-EN 594:1999

**prEN 845-1**

Identne prEN 845-1:2010

Tähtaeg 30.05.2010

**Specification for ancillary components for masonry - Part 1: Wall ties, tension straps, hangers and brackets**

This European Standard specifies requirements for wall ties, tension straps, hangers and brackets for interconnecting masonry and for connecting masonry to other parts of works and buildings including walls, floors, beams, and columns. Where anchors or fasteners are supplied or specified as part of an ancillary component, the requirements including performance requirements apply to the complete product.

Keel en

Asendab EVS-EN 845-1:2005+A1:2008

**prEN 845-2**

Identne prEN 845-2:2010

Tähtaeg 30.05.2010

**Müüritarvikute spetsifikatsioonid. Osa 2: Sillused**

This European Standard specifies requirements for prefabricated lintels for spans over clear openings in a masonry wall up to a maximum of 4,5 m and made from steel, autoclaved aerated concrete, manufactured stone, concrete, fired clay units, calcium silicate units, natural stone units, or using a combination of these materials. Concrete and steel beams conforming to EN 1090-1, EN 12602 and EN 13225, as appropriate, are not covered by this Standard.

Keel en

Asendab prEN 845-2

**prEN 845-3**

Identne prEN 845-3:2010

Tähtaeg 30.05.2010

**Müüritarvikute spetsifikatsioon. Osa 3: Sängitusvuugi terassarrusvõrgud**

This European Standard specifies the requirements for masonry bed joint reinforcement for structural use (see 5.2.1) and for non-structural use (see 5.2.2). Where products are intended for use in cavity wall construction, this European Standard covers only the performance of the meshwork as reinforcement in bed joints and not its performance as wall ties across the cavity. This European Standard is not applicable to: a) products in the form of individual bars or rods; b) products formed from materials other than specified grades of austenitic stainless steel or zinc pre-coated steel sheet or zinc coated steel wire with or without organic coating.

Keel en

Asendab EVS-EN 845-3:2005+A1:2008

**prEN 846-5**

Identne prEN 846-5:2010

Tähtaeg 30.05.2010

**Methods of test for ancillary components for masonry - Part 5: Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (couplet test)**

This European Standard specifies the couplet method for determining the tensile and compressive load capacity and load displacement characteristics of wall ties embedded in mortar joints. The test is intended for ties used for connecting together two leaves of masonry and for the mortar-bedded end of ties for connecting masonry leaves to other structures.

Keel en

Asendab EVS-EN 846-5:2000

**prEN 846-6**

Identne prEN 846-6:2010

Tähtaeg 30.05.2010

**Methods of test for ancillary components for masonry - Part 6: Determination of tensile and compressive load capacity and load displacement characteristics of wall ties (single end test)**

This European Standard specifies a method for determining the tensile and compressive load capacity and load displacement characteristics of wall ties screwed, nailed, grouted or otherwise attached to frame elements or to inner leaf materials. The test is intended for ties for connecting masonry leaves to frame structures and to the inner leaves of cavity walls other than by embedding the inner connection in a mortar joint.

Keel en

Asendab EVS-EN 846-6:2000

**prEN 846-7**

Identne prEN 846-7:2010

Tähtaeg 30.05.2010

**Methods of test for ancillary components for masonry - Part 7: Determination of shear load capacity and load displacement characteristics of shear ties and slip ties (couplet test for mortar joint connections)**

This European Standard specifies the couplet method for determining the horizontal and vertical shear load resistance and load-deflection behaviour of shear ties and slip ties embedded in mortar joints. The test is intended for ties for connecting together two leaves of masonry forming a collar jointed wall or two walls at right angles. It also applies to ties used for connecting the edges of infill panel walls to frames which encircle them.

Keel en

Asendab EVS-EN 846-7:2000

## prEN 846-14

Identne prEN 846-14:2010

Tähtaeg 30.05.2010

### **Methods of test for ancillary components for masonry - Part 14: Determination of the initial shear strength between the prefabricated part of a composite lintel and the masonry above it**

This European Standard specifies a method for determining the in plane initial shear strength of the horizontal bed joint between the prefabricated part of a composite lintel and the masonry above it, using a specimen tested in shear. Guidance is given on the preparation of the specimens, the conditioning required before testing, the testing machine, the method of test, the method of calculation and the contents of the test report. The method corresponds with the method described in EN 1052-3:2003 + A1:2006. (dated reference needed). Guidance is given where the method deviates from EN 1052-3. Therefore each section of EN 1052-3 is repeated given the necessary changes.

Keel en

## prEN ISO 13792

Identne prEN ISO 13792:2010

ja identne ISO/DIS 13792:2010

Tähtaeg 30.05.2010

### **Thermal performance of buildings - Calculation of internal temperatures of a room in summer without mechanical cooling - Simplified methods**

This document specifies the required input data for simplified calculation methods for determining the maximum, average and minimum daily values of the operative temperature of a room in the warm period: a) to define the characteristics of a room in order to avoid overheating in summer at the design stage; b) to define whether the installation of a cooling system is necessary or not. Clause 6 gives the criteria to be met by a calculation method in order to satisfy this document.

Keel en

Asendab EVS-EN ISO 13792:2005

## prHD 60364-7-719

Identne prHD 60364-7-719:2010

Tähtaeg 30.05.2010

### **Low-voltage installations - Part 7-719: Requirements for special installations or locations - Lighting installations for advertising signs with a rated output voltage not exceeding 1 000 V, which are illuminated by hot-cathode-fluorescent-lamps, luminous-discharge tubes (neon-tubes), inductive discharge lamps, light emitting diodes (LED) and/or LED modules**

This standard specifies the requirements for the installation and testing of all kinds and sizes of illuminated signs with a no-load rated output-voltage up to 1 000 V, including the electrical components and wiring. This standard covers installations used for signs, light-artworks and decorative purposes. These installations may be either fixed or portable, supplied from a low-voltage or extra-low-voltage source by means of a transformer, inverter, converter ballast or similar equipment.

Keel en

## 93 RAJATISED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CLC/TR 50542:2010**

Hind 356,00

Identne CLC/TR 50542:2010

#### **Railway applications - Communication means between safety equipment and man-machine interfaces (MMI)**

This Technical Report defines, in accordance with the ERTMS/ETCS requirements: a) for each DMI function to be exchanged to and from the driver, including ETCS, STM: - performances needed; - degraded modes recovering; b) DMI Safety targets; c) communication system requirements: - real-time capability; - performances (bandwidth, etc.); - expansion capability; - RAMS; - applicable standards; - degraded modes; - degraded modes management; - interface with other systems; - LCC requirements.

Keel en

#### **EVS-EN 1991-2:2004/AC:2010**

Hind 0,00

Identne EN 1991-2:2003/AC:2010

#### **Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 2: Sildade liikluskoormused**

Keel en

#### **EVS-EN 15869-2:2010**

Hind 114,00

Identne EN 15869-2:2010

#### **Inland navigation vessels - Electrical shore connection, three-phase current 400 V, up to 63 A, 50 Hz - Part 2: Onshore unit, safety requirements**

This European Standard specifies requirements applicable to equipment for shore-to-vessel supply of three-phase 400 V electrical power up to 63 A and a frequency of 50 Hz to berthed inland navigation vessels. This part of the European Standard specifies safety requirements for the onshore unit of the electrical shore connection. This part of the European Standard applies only to the supply of inland navigation vessels in ports and berths for commercial shipping. Supply stations for leisure craft and houseboats in marinas or similar locations have to meet the requirements of IEC 60364-7-709. For low-voltage electrical installations, the requirements specified in the HD 60364 and HD 384 series are applicable generally. The requirements in this part of EN 15869 supplement, amend or supersede some of the requirements in HD 60364/HD 384 Parts 1 to 6. Where no requirements are given in this part of EN 15869, the requirements specified in the HD 60364 and HD 384 are applicable; a detailed list is given in the Bibliography.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 13285**

Identne FprEN 13285:2010

Tähtaeg 30.05.2010

#### **Sidumata segud. Spetsifikatsioon**

This European Standard specifies requirements for unbound mixtures used for construction and maintenance of roads, airfields and other trafficked areas. The requirements are defined with appropriate cross-reference to EN 13242. This European Standard applies to unbound mixtures of natural, artificial and recycled aggregates with a upper sieve size (D) from 8 mm to 90 mm and lower sieve size (d) = 0 at the point of delivery. NOTE 1 Mixtures with an upper sieve size (D) greater than 90 mm are not covered by this European Standard but may be specified in the place of use. NOTE 2 Water content of the mixture and the density of the installed layer are not specified mixture requirements. Both parameters are related to the control of the construction of the layer and are outside the scope of this European Standard.

Keel en

Asendab EVS-EN 13285:2007

### **FprEN 13286-2**

Identne FprEN 13286-2:2010

Tähtaeg 30.05.2010

#### **Unbound and hydraulically bound mixtures - Part 2: Test methods for laboratory dry density and water content - Proctor compaction**

This European Standard specifies test methods for the determination of the relationship between the water content and the dry density of hydraulically bound or unbound mixtures after compaction under specified test conditions using Proctor compaction. It allows an estimate of the mixture density that can be achieved on construction sites and provides a reference parameter for assessing the density of the compacted layer of the mixture. This European Standard applies only to unbound and hydraulically bound mixtures of aggregates used in road construction and civil engineering work. It is not applicable to soils for earthworks. The results of this test method can be used as a basis for comparing mixtures before use in road construction. The test results also allow a conclusion to be drawn as to the water content at which mixtures can be satisfactorily compacted in order to achieve a given dry density. This test is suitable for mixtures with different values of upper sieve (D) size up to 63 mm and an oversize up to 25 % by mass.

Keel en

Asendab EVS-EN 13286-2:2004

### **prEN 13108-9**

Identne prEN 13108-9:2010

Tähtaeg 30.05.2010

#### **Bituminous mixtures - Material specifications - Part 9: Bituminous mixture for Ultra-thin layer Asphalt Concrete (UTLAC)**

This document specifies requirements for the bituminous mixtures for Ultra thin layers Asphalt Concrete (UTLAC) for use on roads, airfields and other trafficked areas. The grading curve of the bituminous mixture for UTLAC is generally gap graded and the upper sieve size of the mix is not less than 5 mm and not greater than 11 mm. This document includes requirements for the selection of the constituent materials. It is designed to be read in conjunction with EN 13108-20 and EN 13108-21. NOTE Asphalt Concrete very thin layer mixtures with chemical modified binders not covered by EN 13924 are not covered by this document. The method of bonding is out of the scope of this document.

Keel en

### **prEN 13282-1**

Identne prEN 13282-1:2010

Tähtaeg 30.05.2010

#### **Hydraulic road binders - Part 1: Rapid hardening hydraulic road binders - Composition, specifications and conformity criteria**

EN 13282-1 defines and gives the specifications for rapid hardening hydraulic road binders, produced in a factory and supplied ready for treatment of materials for bases, sub-bases and capping layers as well as earthworks, in road, railway, airport and other types of infrastructure. They are classified according to their compressive strength at 7 and 28 days. It specifies their mechanical, physical and chemical requirements, together with the conformity criteria and evaluation procedures to be applied by the manufacturer.

Keel en

### **prEN 13282-2**

Identne prEN 13282-2:2010

Tähtaeg 30.05.2010

#### **Hydraulic road binders - Part 2: Normal hardening hydraulic road binders - Composition, specifications and conformity criteria**

EN 13282-2 defines and gives the specifications for normal hardening hydraulic road binders, produced in a factory and supplied ready for treatment of materials for bases, sub-bases and capping layers as well as earthworks, in road, railway, airport and other types of infrastructures. They are classified according to their compressive strength at 56 days. It specifies their mechanical, physical and chemical requirements, together with the conformity criteria and evaluation procedures to be applied by the manufacturer.

Keel en



## prEN 13282-3

Identne prEN 13282-3:2010

Tähtaeg 30.05.2010

### **Hydraulic road binders - Part 3: Conformity evaluation**

This European Standard specifies the scheme for the evaluation of conformity of hydraulic road binders to their corresponding product specification standards prEN 13282-1 and -2, including conformity evaluation tasks by a third party. The standard provides technical rules for factory production control by the manufacturer, including autocontrol testing of samples and for conformity attestation by the producer. It also provides rules for actions to be followed in the event of non-conformity and, the procedure for the declaration of conformity.

Keel en

## 95 SÕJATEHNIKA

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 17201-3:2010**

Hind 256,00

Identne EN ISO 17201-3:2010

ja identne ISO 17201-3:2010

#### **Acoustics - Noise from shooting ranges - Part 3: Guidelines for sound propagation calculations**

This part of ISO 17201 specifies methods of predicting sound exposure levels of shooting sound for a single shot at a given reception point. Guidelines are given to calculate other acoustic indices from the sound exposure level. The prediction is based on the angular source energy distribution of the muzzle blast as defined in ISO 17201-1 or calculated using values from ISO 17201-2. This part of ISO 17201 applies to weapons with calibres of less than 20 mm or explosive charges of less than 50 g TNT equivalent, at distances where peak pressures, including the contribution from projectile sound, are less than 1 kPa (154 dB).

Keel en

#### **EVS-EN ISO 17201-5:2010**

Hind 188,00

Identne EN ISO 17201-5:2010

ja identne ISO 17201-5:2010

#### **Acoustics - Noise from shooting ranges - Part 5: Noise management**

This part of ISO 17201 gives guidelines for noise management of shooting activity at shooting ranges. The control of the noise received outside shooting ranges at specified reception points based either on measured or calculated sound exposure levels is specified. This part of ISO 17201 can also be used in the planning of new or reconstruction of existing ranges. It is intended to comply with all relevant local rules and regulations which imply a conversion of sound exposure level to other indicators as given in ISO 17201-3. This part of ISO 17201 applies to weapons with calibres of less than 20 mm or explosive charges of less than 50 g TNT equivalent and pressures of less than 1 kPa at the reception point.

Keel en

## 97 OLME. MEELELAHUTUS. SPORT

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 1829-1:2010**

Hind 188,00

Identne EN 1829-1:2010

#### **Kõrgsurvevett kasutavad masinad. Ohutusnõuded.**

##### **Osa 1: Masinad**

This European Standard contains safety-related requirements for high pressure water jet machines with drives of all kinds (e.g. electric motor, internal combustion engine, air and hydraulic) in which pumps are used to generate pressure. This document deals with all significant hazards, hazardous situations and events arising during assembly, erection, operation and servicing relevant to high pressure water jet machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). All references to high pressure water jet machines within this document includes machines for one or more of the following industrial applications: -cleaning; -surface preparation; -material removal; - readjustment of concrete; -cutting.

Keel en

#### **EVS-EN 14434:2010**

Hind 198,00

Identne EN 14434:2010

#### **Haridusasutuste kirjutustahvliid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

This European Standard specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc. It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur. This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included. Requirements concerning electrical safety are not included. Annex A (normative) includes an assessment scale for the ability to write and erase. Annex B (informative) includes terminology for display writing boards. Annex C (informative) includes significant technical differences between this document and EN 14434:2004.

Keel en

Asendab EVS-EN 14434:2005; EVS-EN 14434:2005/AC:2008

#### **EVS-EN 14957:2006+A1:2010**

Hind 178,00

Identne EN 14957:2006+A1:2010

#### **Toidutöötlemismasinad. Konveieriga nõudepesumasinad. Ohutus- ja hügieeninõuded**

1.1 This European Standard applies to multizones dishwashing-machines with passing through motorized belt (flight type) or rack conveyor. In case of flight type, the loading and unloading areas are part of the machine. The machines covered by this European Standard are intended for washing, rinsing and optionally drying the dishes and the kitchen utensils, used in food and catering premises such as restaurants, hotels etc. This European Standard applies to dishwashing machines with conveyor with a linear speed less than or equal to 5 m/min for the dishes and kitchen utensils.

Keel en

Asendab EVS-EN 14957:2006

**EVS-EN 15338:2007+A1:2010**

Hind 178,00

Identne EN 15338:2007+A1:2010

**Mööblifurnituur. Tõmbeelementide ja nende komponentide tugevus ja vastupidavus**

This European Standard specifies test methods and requirements for the strength and durability of all types of extension elements and their components for all fields of application, except table extensions. The tests consist of the application of loads, forces and velocities simulating normal functional use, as well as misuse, that might reasonably be expected to occur. With the exception of the corrosion test in 6.4, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes. The strength and durability tests only relate to the extension elements and the parts used for the attachment, e.g. screws.

Keel en

Asendab EVS-EN 15338:2007

**EVS-EN 60335-2-7:2010**

Hind 219,00

Identne EN 60335-2-7:2010

ja identne IEC 60335-2-7:2008

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

This European Standard deals with the safety of electric washing machines for household and similar use, that are intended for washing clothes and textiles, their rated voltage being not more than 250 V for single-phase washing machines and 480 V for other washing machines, in this standard generally referred to as appliances. This standard also deals with the safety of electric washing machines for household and similar use employing an electrolyte instead of detergent. Additional requirements for these appliances are given in Annex CC. Appliances not designed for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, on farms and for communal use in blocks of flats are within the scope of this standard.

Keel en

Asendab EVS-EN 60335-2-7:2003; EVS-EN 60335-2-7:2003/A1:2004; EVS-EN 60335-2-7:2003/A2:2006

**EVS-EN 60335-2-58:2005/A11:2010**

Hind 105,00

Identne EN 60335-2-58:2005/A11:2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-58: Erinõuded kaubanduslikele elektrilistele nõudepesumasinatele**

Deals with the safety of electrically operated dishwashing machines for washing plates, dishes, glassware, cutlery and similar articles, with or without means of heating water or drying, not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. Appliances within the scope of this standard are used in restaurants, canteens, hospitals, and commercial enterprises such as bakeries, butcheries, etc. Examples of appliances within the scope of this standard are conveyor dishwashers; batch dishwashers and brush machines

Keel en

**EVS-EN 60335-2-2:2010**

Hind 198,00

Identne EN 60335-2-2:2010

ja identne IEC 60335-2-2:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veememis-puhastusseadmetele**

This International Standard deals with the safety of electric vacuum cleaners and water-suction cleaning appliances for household and similar purposes, including vacuum cleaners for animal grooming, their rated voltage being not more than 250 V. It also applies to centrally-sited vacuum cleaners and automatic battery-powered cleaners. This standard also applies to motorized cleaning heads and current-carrying hoses associated with a particular vacuum cleaner. Appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops and other premises for normal housekeeping purposes, are within the scope of this standard.

Keel en

Asendab EVS-EN 60335-2-2:2003; EVS-EN 60335-2-2:2003/A2:2007; EVS-EN 60335-2-2:2003/A1:2005

**EVS-EN 60335-2-4:2010**

Hind 178,00

Identne EN 60335-2-4:2010

ja identne IEC 60335-2-4:2008

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

This European Standard deals with the safety of - stand alone electric spin extractors - spin extractors incorporated in washing machines that have separate containers for washing and spin extraction for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as spin extractors intended to be used by laymen in shops, on farms, and for communal use in blocks of flats are within the scope of this standard.

Keel en

Asendab EVS-EN 60335-2-4:2003; EVS-EN 60335-2-4:2003/A1:2004; EVS-EN 60335-2-4:2003/A2:2006

**EVS-EN 60335-2-13:2010**

Hind 155,00

Identne EN 60335-2-13:2010

ja identne IEC 60335-2-13:2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-13: Erinõuded fritüüridele, praepannidele ja muudele taoliste seadmetele**

This International Standard deals with the safety of electric deep fat fryers having a recommended maximum quantity of oil not exceeding 5 l, frying pans, woks and other appliances in which oil is used for cooking, and intended for household use and similar use, their rated voltage being not more than 250 V.

Keel en

Asendab EVS-EN 60335-2-13:2003; EVS-EN 60335-2-13:2003/A1:2004; EVS-EN 60335-2-13:2003/A2:2008

**EVS-EN 60335-2-29:2004/A2:2010**

Hind 80,00

Identne EN 60335-2-29:2004/A2:2010

ja identne IEC 60335-2-29:2002/A2:2009

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele**

Deals with the safety of electric battery chargers for household use having an output at safety extra-low voltage, their rated voltage being not more than 250 V. This standard also includes battery chargers intended for use in garages, shops, light industry and on farms.

Keel en

**EVS-EN 60335-2-30:2010/AC:2010**

Hind 0,00

Identne EN 60335-2-30:2009/Corr:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele**

Keel en

**EVS-EN 60335-2-41:2003/A2:2010**

Hind 80,00

Identne EN 60335-2-41:2003/A2:2010

ja identne IEC 60335-2-41:2002/A2:2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele**

Deals with the safety of electric pumps for liquids having a temperature not exceeding 90 deg C, with a rated voltage of not more than 250 V for single-phase and 480 V for other appliances. Examples of appliances within the scope of this standard are aquarium pumps; pumps for garden ponds; sludge pumps; submersible pumps; table fountain pumps; vertical wet pit pumps. Pumps incorporated in appliances are not covered by this standard unless a specific reference is made

Keel en

**EVS-EN 60335-2-60:2003/A11:2010**

Hind 59,00

Identne EN 60335-2-60:2003/A11:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele**

This standard deals with the safety of electric whirlpool baths for indoor use, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to appliances for circulating air or water in conventional baths.

Keel en

**EVS-EN 60335-2-60:2003/A12:2010**

Hind 59,00

Identne EN 60335-2-60:2003/A12:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele**

This standard deals with the safety of electric whirlpool baths for indoor use, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to appliances for circulating air or water in conventional baths.

Keel en

**EVS-EN 60335-2-102:2006/A1:2010**

Hind 105,00

Identne EN 60335-2-102:2006/A1:2010

ja identne IEC 60335-2-102:2004/A1:2008

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkkütuse põletamise seadmetele**

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects are covered when the appliance also complies with the relevant standard for the fuel-burning appliance. If the appliance incorporates electric heating sources, it also has to comply with the relevant part 2 of IEC 60335.

Keel en

**EVS-EN 60335-2-105:2005/A11:2010**

Hind 59,00

Identne EN 60335-2-105:2005/A11:2010

**Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele**

This standard applies to two-pole non-reversible cold condition appliance couplers for a.c. only, with a degree of protection against ingress of water higher than IPXO, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A for 50 Hz or 60 Hz supply. They are intended for the connection of the supply cord to portable electrical appliances of class II for household, commercial and light industrial use.

Keel en

**EVS-EN ISO 16409:2006/A1:2010**

Hind 68,00

Identne EN ISO 16409:2006/A1:2010

ja identne ISO 16409:2006/Amd 1:2010

**Stomatoloogia. Suuhügieenitooted. Käsi-hambaharjad hambavahede (hambaskarniisi) puhastamiseks**

This International Standard specifies requirements and test methods for performance criteria for manual interdental brushes with a round cross-section of the brush head. It also specifies the accompanying information, such as the manufacturer's instructions for use and labelling of the packaging.

Keel en

**EVS-EN ISO 17201-3:2010**

Hind 256,00

Identne EN ISO 17201-3:2010

ja identne ISO 17201-3:2010

**Acoustics - Noise from shooting ranges - Part 3: Guidelines for sound propagation calculations**

This part of ISO 17201 specifies methods of predicting sound exposure levels of shooting sound for a single shot at a given reception point. Guidelines are given to calculate other acoustic indices from the sound exposure level. The prediction is based on the angular source energy distribution of the muzzle blast as defined in ISO 17201-1 or calculated using values from ISO 17201-2. This part of ISO 17201 applies to weapons with calibres of less than 20 mm or explosive charges of less than 50 g TNT equivalent, at distances where peak pressures, including the contribution from projectile sound, are less than 1 kPa (154 dB).

Keel en

**EVS-EN ISO 17201-5:2010**

Hind 188,00

Identne EN ISO 17201-5:2010

ja identne ISO 17201-5:2010

**Acoustics - Noise from shooting ranges - Part 5: Noise management**

This part of ISO 17201 gives guidelines for noise management of shooting activity at shooting ranges. The control of the noise received outside shooting ranges at specified reception points based either on measured or calculated sound exposure levels is specified. This part of ISO 17201 can also be used in the planning of new or reconstruction of existing ranges. It is intended to comply with all relevant local rules and regulations which imply a conversion of sound exposure level to other indicators as given in ISO 17201-3. This part of ISO 17201 applies to weapons with calibres of less than 20 mm or explosive charges of less than 50 g TNT equivalent and pressures of less than 1 kPa at the reception point.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 14434:2005**

Identne EN 14434:2004

**Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

This document specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities etc. It is intended to prevent serious injury through normal functional use, as well as misuse that might reasonably be expected to occur.

Keel en

Asendatud EVS-EN 14434:2010

**EVS-EN 14434:2005/AC:2008**

Identne EN 14434:2004/AC:2008

**Haridusasutuste kirjutustahvlid. Ergonoomilised, tehnilised ja ohutusnõuded ning katsemeetodid**

Keel en

Asendatud EVS-EN 14434:2010

**EVS-EN 14957:2006**

Identne EN 14957:2006

**Toidutöötlemismasinad. Konveieriga nõudepesumasinad. Ohutus- ja hügieeninõuded**

This European Standard applies to multizones dishwashing-machines with passing through motorized belt (flight type) or rack conveyor. In case of flight type, the loading and unloading areas are part of the machine. The machines covered by this European Standard are intended for washing, rinsing and optionally drying the dishes and the kitchen utensils, used in food and catering premises such as restaurant, hotel etc.

Keel en

Asendatud EVS-EN 14957:2006+A1:2010

**EVS-EN 15338:2007**

Identne EN 15338:2007

**Mööblifurnituur. Tõmbeelementide ja nende komponentide tugevus ja vastupidavus**

This European Standard specifies test methods and requirements for the strength and durability of all types of extension elements and their components for all fields of application, except table extensions.

Keel en

Asendatud EVS-EN 15338:2007+A1:2010

**EVS-EN 60335-2-2:2003**

Identne EN 60335-2-2:2003

ja identne IEC 60335-2-2:2002

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veimemis-puhastusseadmetele**

Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances. It also applies to motorized cleaning heads and current-carrying hoses for vacuum cleaners. These are for household use, including vacuum cleaners for animal grooming. The rated voltage is less than 250 V. This standard does not cover industrial appliances, nor special conditions such as explosive atmospheres

Keel en

Asendab EVS-EN 60335-2-2:2001

Asendatud EVS-EN 60335-2-2:2010

**EVS-EN 60335-2-4:2003**

Identne EN 60335-2-4:2002+AC:2006

ja identne IEC 60335-2-4:2002

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

Deals with the safety of electric spin extractors. It covers appliances with a capacity of less than 10 kg of dry cloth and a drum peripheral speed less than 50 m/s. The rated voltage is less than 250 V for single-phase appliances and 480 V for other appliances. It covers household use, and use by laymen in shops, in light industry and on farms

Keel en

Asendab EVS-EN 60335-2-4:2001

Asendatud EVS-EN 60335-2-4:2010

**EVS-EN 60335-2-7:2003**

Identne EN 60335-2-7:2003

ja identne IEC 60335-2-7:2002

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, their rated - voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

Asendatud EVS-EN 60335-2-7:2010

**EVS-EN 60335-2-13:2003**

Identne EN 60335-2-13:2003

ja identne IEC 60335-2-13:2002

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-13: Erinõuded fritüüridele, praepannidele ja muudele taoliste seadmetele**

Deals with the safety of electric deep fat fryers, frying pans and other appliances in which oil is used for cooking, and intended for household use only, their rated voltage being not more than 250 V. This standard does not apply to deep fat fryers having a recommended maximum quantity of oil exceeding 4 l (refer to IEC 60335-2-37) or commercial multi-purpose cooking pans (refer to IEC 60335-2-39).

Keel en

Asendab EVS-EN 60335-2-13:2001

Asendatud EVS-EN 60335-2-13:2010

**EVS-EN 60335-2-2:2003/A2:2007**

Identne EN 60335-2-2:2003/A2:2006

ja identne IEC 60335-2-2:2002/A2:2006

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veeimemis-puhastusseadmetele**

Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances. It also applies to motorized cleaning heads and current-carrying hoses for vacuum cleaners. These are for household use, including vacuum cleaners for animal grooming. The rated voltage is less than 250 V. This standard does not cover industrial appliances, nor special conditions such as explosive atmospheres

Keel en

Asendatud EVS-EN 60335-2-2:2010

**EVS-EN 60335-2-2:2003/A1:2005**

Identne EN 60335-2-2:2003/A1:2004

ja identne IEC 60335-2-2:2002/A1:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-2: Erinõuded tolmuimejatele ja veeimemis-puhastusseadmetele**

Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances. It also applies to motorized cleaning heads and current-carrying hoses for vacuum cleaners. These are for household use, including vacuum cleaners for animal grooming. The rated voltage is less than 250 V. This standard does not cover industrial appliances, nor special conditions such as explosive atmospheres

Keel en

Asendatud EVS-EN 60335-2-2:2010

**EVS-EN 60335-2-4:2003/A1:2004**

Identne EN 60335-2-4:2002/A1:2004

ja identne IEC 60335-2-4:2002/A1:2004+AC:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

Deals with the safety of electric spin extractors. It covers appliances with a capacity of less than 10 kg of dry cloth and a drum peripheral speed less than 50 m/s. The rated voltage is less than 250 V for single-phase appliances and 480 V for other appliances. It covers household use, and use by laymen in shops, in light industry and on farms

Keel en

Asendatud EVS-EN 60335-2-4:2010

**EVS-EN 60335-2-4:2003/A2:2006**

Identne EN 60335-2-4:2002/A2:2006

ja identne IEC 60335-2-4:2002/A2:2006

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-4: Erinõuded pöörlevatele tõmbeventilaatoritele**

Deals with the safety of electric spin extractors. It covers appliances with a capacity of less than 10 kg of dry cloth and a drum peripheral speed less than 50 m/s. The rated voltage is less than 250 V for single-phase appliances and 480 V for other appliances. It covers household use, and use by laymen in shops, in light industry and on farms

Keel en

Asendatud EVS-EN 60335-2-4:2010

**EVS-EN 60335-2-7:2003/A2:2006**

Identne EN 60335-2-7:2003/A2:2006

ja identne IEC 60335-2-7:2002/A2:2006

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, their rated - voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

Asendatud EVS-EN 60335-2-7:2010

**EVS-EN 60335-2-13:2003/A2:2008**

Identne EN 60335-2-13:2003/A2:2008

ja identne IEC 60335-2-13:2002/A2:2008

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-13: Erinõuded fritüüridele, praepannidele ja muudele taoliste seadmetele**

Deals with the safety of electric deep fat fryers, frying pans and other appliances in which oil is used for cooking, and intended for household use only, their rated voltage being not more than 250 V. This standard does not apply to deep fat fryers having a recommended maximum quantity of oil exceeding 4 l (refer to IEC 60335-2-37) or commercial multi-purpose cooking pans (refer to IEC 60335-2-39).

Keel en

Asendatud EVS-EN 60335-2-13:2010

**EVS-EN 60335-2-7:2003/A1:2004**

Identne EN 60335-2-7:2003/A1:2004  
ja identne IEC 60335-2-7:2002/A1:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-7: Erinõuded pesumasinatele**

Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, their rated voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

Asendatud EVS-EN 60335-2-7:2010

**EVS-EN 60335-2-13:2003/A1:2004**

Identne EN 60335-2-13:2003/A1:2004  
ja identne IEC 60335-2-13:2002/A1:2004

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-13: Erinõuded fritüüridele, praepannidele ja muudele taoliste seadmetele**

Deals with the safety of electric deep fat fryers, frying pans and other appliances in which oil is used for cooking, and intended for household use only, their rated voltage being not more than 250 V. This standard does not apply to deep fat fryers having a recommended maximum quantity of oil exceeding 4 l (refer to IEC 60335-2-37) or commercial multi-purpose cooking pans (refer to IEC 60335-2-39).

Keel en

Asendatud EVS-EN 60335-2-13:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 30-1-1:2008/FprA1**

Identne EN 30-1-1:2008/FprA1:2010  
Tähtaeg 30.05.2010

**Kodused gaaskuumutusega****toiduvalmistusseadmed. Osa 1-1: Ohutus. Üldist**

See standard kehtestab konstruktsiooni- ja käituskarakteristikud ning nõuded ja katsemeetodid selliste eraldipaiknevate ja sisseehitatud koduste toiduvalmistusseadmete ohutuse ja märgistamise kohta, mis põletavad osas 4.1 esitatud põlevgaase vastavalt osas 4.2 esitatud kategooriatele ja mis tekstis on nimetatud kui seadmed.

Keel en

**EN 14974:2006/FprA1**

Identne EN 14974:2006/FprA1:2010  
Tähtaeg 30.05.2010

**Facilities for users of roller sports equipment - Safety requirements and test methods**

This standard applies to facilities for users of inline-skates, roller skates, skateboards or similar roller sports equipment, as well as BMX cycles (hereinafter referred to as facility/facilities). It specifies general and specific requirements and test methods for facilities used in unsupervised areas.

Keel en

**EN 60335-2-9:2003/FprAD**

Identne EN 60335-2-9:2003/FprAD:2010  
Tähtaeg 30.05.2010

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

Deals with the safety of electric portable appliances that have a cooking function, such as baking, roasting and grilling. Examples are barbecues for indoor use, contact grills, hotplates, food dehydrators, raclette grills, toasters and waffle irons.

Keel en

**EN 60335-2-25:2003/FprAB**

Identne EN 60335-2-25:2002/FprAB:2010  
Tähtaeg 30.05.2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-25: Erinõuded mikrolaineahjudele**

Deals with the safety of microwave ovens for household use. The rated voltage is less than 250 V. It also deals with combination microwave ovens. For commercial microwave ovens, see IEC 60335-2-90

Keel en

**FprEN 60335-2-100**

Identne FprEN 60335-2-100:2010  
ja identne IEC 60335-2-100:2002  
Tähtaeg 30.05.2010

**Household and similar electrical appliances - Safety - Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower**

This European Standard specifies the safety requirements and their verification for the design and construction of hand-held mains-operated electrical garden vacuums, and garden blower/vacuums with or without shredding means and garden blowers for use at and around the home or for similar purposes, their rated voltage being not more than 250 V single phase.

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](mailto:standardiosakond@evs.ee) või ostmiseks klienditeenindusega [standard@evs.ee](mailto:standard@evs.ee).

**Tõlgete kommenteerimise ja ettepanekute esitamise perioodi lõpp on 01.05.2010**

### **prEVS JUHEND 7**

#### **Riskihaldus. Sõnavara**

Juhend annab riskihaldusega seotud üldistuslike terminite määratlused. Ta püüab soodustada mõlemapoolset ja kooskõlalist ettekujutust riskihaldusega seotud tegevuste kirjeldamisest, järjekindlat lähenemist nende kirjeldamisele ja riskihalduse ühtse terminoloogia kasutamist riski haldamist puudutavates protsessides ja raamstruktuurides. See juhend on mõeldud kasutamiseks riskide haldamisega tegelejaile, ISO ja IEC tegevustes osalejaile ning riskihaldusega seotud üleriiklike või sektorispetsiifiliste standardite, juhendite, protseduuride ja tavakoodeksite väljatöötajaile.

Identne: ISO/IEC Guide 73:2010

## MÄRTSIKUUS LAEKUNUD ALGUPÄRASE EESTI STANDARDI KOOSTAMISETTEPANEKUD

Alljärgnevalt on toodud teave möödunud kuu jooksul Standardikeskusele esitatud algupärase standardi koostamis-, muutmis ja uustöötlustepanekute kohta, millega algatatakse Eesti standardi koostamisprotsess:

### **EVS 894:2008/prA1**

#### **Loomulik valgustus elu- ja bürooruumides**

Standardis esitatakse soovitusel päevavalguse projekteerimiseks elu- ja büroohoonetes. Soovitused on antud ka elektervalgustuse projekteerimiseks, kui seda kasutatakse koos päevavalgusega.

### **Projekteerimistöõde riigihangete korraldamine ja eduka pakkuja valik (projekt nr 95656)**

Standard annab juhised projekteerimistöõde riigihange pakkumiskutse dokumentide koostamiseks, hanke korraldamiseks ja eduka pakkuja valikuks eesmärgiga hankida soovitud kvaliteediga ehitusprojekt mille tulemusel saab ehitada ootustele vastava ehitise. Standard esitab ka juhised põhjendamatult madalate hindadega pakkujate kõrvaldamiseks hankemenetlusest ja meetodid põhjendamatult madala hinna määratlemiseks.

Rohkem teavet Teile huvipakkuvate standardiprojektide kohta on võimalik saada Standardikeskuse veebilehe ([www.evs.ee](http://www.evs.ee)) rubriigist: „Koostamissetpanekud“ ja Standardiosakonnast ([standardiosakond@evs.ee](mailto:standardiosakond@evs.ee)).

## ALGUPÄRASE STANDARDI KEHTIVUSE PIKENDAMINE

Arvamuse esitamise viimane tähtaeg on **30.04.2010**, eriarvamuse puudumisel **pikendatakse loetletud** standardite kehtivus kuni järgnevaks viieks aastaks. Lisainfo EVS standardiosakonnast ([standardiosakond@evs.ee](mailto:standardiosakond@evs.ee)).

Hiljemalt viie aasta möödudes algatatakse nimetatud standardite ülevaatus kontrollimaks: standardi tehnilist taset, vastavust aja nõuetele, vastavust kehtivatele õigusaktidele, kooskõla rahvusvaheliste või Euroopa standarditega jne.

### **EVS 2382-30:2003 Infotehnoloogia. Sõnastik. Osa 30: Raalnägemine**

Standard sisaldab rahvusvahelise tehnilise alamkomitee JTC 1/SC 1 kavandi ISO/IEC CD2 2382-30:1996 "Information technology – Vocabulary – Part 30: Computer vision" ingliskeelse teksti ja selle identse tõlke eesti keelde.

### **EVS 2382-33:2003 Infotehnoloogia. Sõnastik. Osa 33: Hüpermeedium ja multimeedium**

Standard sisaldab rahvusvahelise tehnilise alamkomitee JTC1/SC1 kavandite ISO/IEC CD1 2382-33:1997 ja ISO/IEC CD2 2382-33:1998 "Information technology – Vocabulary – Part 33: Hypermedia and multimedia" ingliskeelse teksti ja selle tõlke eesti keelde.

### **EVS 2382-35:2003 Infotehnoloogia. Sõnastik. Osa 35: Võrgundus**

Standard sisaldab rahvusvahelise tehnilise alamkomitee JTC1/SC1 kavandi ISO/IEC CD2 2382-35:1998 "Information technology – Vocabulary – Part 35: Networking" ingliskeelse teksti ja selle identse tõlke eesti keelde.

### **EVS 2382-37:2003 Infotehnoloogia. Sõnastik. Osa 37: Virtuaalreaalsus**

Standard sisaldab rahvusvahelise tehnilise alamkomitee JTC1/SC1 töödokumendi ISO/IEC WD2 2382-37:1998 "Information technology – Vocabulary – Part 37: Virtual reality" ingliskeelse teksti ja selle identse tõlke eesti keelde.

## MÄRTSIKUUS KOOSTATUD EESTIKEELSE STANDARDI PARANDUSED

Selles jaotises avaldame teavet eestikeelsete Eesti standardite paranduste koostamise kohta. Standardi parandus koostatakse toimetustlikku laadi vigade (trükivead jms) kõrvaldamiseks standardist. Eesti standardi paranduse tähis koosneb standardi tähisest ja selle lõppu lisatud tähtedest AC.

Nt standardile EVS XXX:YYYY tehtud parandus kannab eraldi avaldatuna tähist EVS XXX:YYYY/AC:ZZZZ.

Koostatud standardi parandused on leitavad ja allalaetavad EVS veebilehel asuvast ostukorvist. Vajadusel avaldatakse koos standardi parandusega ka Eesti standardi parandatud väljaanne, mille teksti on parandus sisse viidud. Parandatud standardi tähis reeglina ei muutu.

### **Koostatud eestikeelsed parandused ja konsolideeritud standardid:**

#### **EVS-EN 13947:2007/AC:2010**

#### **Rippfassaadide soojustehniline toimivus. Soojusjuhtivuse arvutamine**

Parandus on konsolideeritud standardisse: EVS-EN 13947:2007



### **EVS-EN ISO 10077-2:2003/AC:2010**

#### **Akende, uste ja luukide soojustehniline toimivus. Soojusjuhtivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod**

Parandus on konsolideeritud standardisse: EVS-EN ISO 10077-2:2003

### **EVS-EN ISO 10077-1:2006/AC2:2009**

#### **Akende, uste ja luukide soojustehniline toimivus. Soojusjuhtivuse arvutus. Osa 1: Üldosa**

Parandus on konsolideeritud standardisse: EVS-EN ISO 10077-1:2006

### **EVS 807:2010/AC:2010**

#### **Kinnisvara korrashoid. Kinnisvarakeskkonna korraldamine**

Parandus on konsolideeritud standardisse: EVS 807:2010

## **MÄRTSIKUUS KINNITATUD JA APRILLIKUUS MÜÜGILE SAABUNUD EESTIKEELSE STANDARDID**

### **EVS-EN 71-1:2005+A9:2009**

#### **Mänguasjade ohutus. Osa 1: Mehaanilised ja füüsilised omadused 315.-**

Eesti standard on Euroopa standardi EN 71-1:2005+A9:2009 "Safety of toys – Part 1: Mechanical and physical properties" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määrab kindlaks nõuded ja katsemeetodid mänguasjade mehaanilistele ja füüsilistele omadustele. Standardit kohaldatakse laste mänguasjadele; mänguasjadele, mis on mistahes toode või materjal ning mis on kavandatud või otseselt mõeldud kasutamiseks lastele vanuses kuni 14 eluaastat. See puudutab uusi mänguasju, võttes arvesse nende eeldatavat või normaalset kasutusperioodi ning et mänguasja kasutatakse ettenähtud või eeldataval viisil, olles seejuures tähelepanelik lapse tavalise käitumise suhtes. See sisaldab nõudeid mänguasjadele, mis on mõeldud alla 36 kuu vanustele lastele ning lastele, kes on kõrvalise abita istukile töusmiseks liiga noored. Standardi mõistes loetakse alla 36 kuu vanustele lastele mõeldud mänguasjadeks lihtsate omadustega *pehmeid täidetud* mänguasju, mida hoitakse käes ning kaisus.

Euroopa standard määrab samuti kindlaks erinõuded pakendile, märgistamisele ja etikettimisele.

### **EVS 906:2010**

#### **Mitteeluhoonete ventilatsioon. Üldnõuded ventilatsiooni- ja ruumiõhu konditsioneerimissüsteemidele. Eesti rahvuslik lisa standardile EVS-EN 13779:2007 198.-**

Eesti standard on koostatud esmakordselt ja on standardi EVS-EN 13779:2007 Eesti rahvuslik lisa.

Eesti standard käsitleb mitteiluhoonete ruumides nõutavate õhuparameetrite tagamist vajaliku õhuvahetuse organiseerimise teel, arvestades nii sise- kui välisõhu arvutuslike parameetrite, maksimaalselt lubatava mürataseme kui ka tervishoiu- ja ökonoomikalaste nõuetega. Standardis ei dubleerita standardis EVS-EN 13779:2007 esitatut, küll aga aktsepteeritakse standardis antud projekteerimiskriteeriume ja kõiki nõudeid nii ruumidele kui süsteemidele, samuti õhuliikide ja süsteemide spetsifitseerimist ning kõike, mis seondub sisekliimaga.

### **EVS-EN 1594:2009**

#### **Gaasivarustussüsteemid. Torustikud maksimaalse tööõhuga üle 16 bar. Talitluslikud nõuded 315.-**

Eesti standard on Euroopa standardi EN 1594:2009 „Gas supply systems – Pipelines for maximum operating pressure over 16 bar – Functional requirements” ingliskeelse teksti identne tõlge eesti keelde.

Standard on rakendatav üle 16 bar maksimaalse tööõhuga torustike suhtes, mis on mõeldud standardile EN ISO 13686 vastava töödeldud, mittemürgise ja mittekorrodeeriva maagaasi transportimiseks järgmiste omadustega maismaatorustikes:

- torustiku elemendid on valmistatud legerimata või madallegeeritud terasest;

- torustiku elemendid ühendatakse keevisliidete, äärikliidete või mehaaniliste liitmikega;
- torustik ei paikne äri- või tööstusettevõtete territooriumil tootmisprotsessi lahutamatu osana, välja arvatud selliste ettevõtete gaasivarustustorustikud ja -rajatised;
- süsteemi arvutustemperatuur on – 40 °C kuni 120 °C, kaasa arvatud.

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

#### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-2: Vedelikumahutid 256.-**

Eesti standard on Euroopa standardi EN 1993-4-2:2007 “Eurocode 3 - Design of steel structures - Part 4-2: Tanks” ja selle paranduse EN 1993-4-2:2007/AC:2009 ingliskeelse teksti identne tõlge eesti keelde.

Eurokoodeksi 3 osas 4.2 on toodud eeskirjad ja rakendusjuhised, et ehituslikult projekteerida vedeltoodete salvestamiseks mõeldud püstseid silindrilisi ja püstkülkilisi terasest vedelikumahuteid, mis on alusele toetatud ja millel on järgmised iseloomustavad tunnused:

- a) sisemine tunnussurve vedeliku pinna nivool – mitte väiksem kui 100 mbar ja mitte suurem kui 500 mbar.
- b) metalli projekttemperatuur on vahemikus –50 °C kuni +300 °C. Austeniit- või roostevabadest terasest mahutite puhul võib temperatuur olla vahemikus –165 °C kuni +300 °C. Väsimuskoormuste puhul peaks temperatuur olema piiratud tingimusega  $T < 150$  °C;
- c) vedeliku maksimaalne projektnivoo mitte kõrgemal kui silinderkooriku või püstkülkimahuti ülaser.

Standardi osa 4.2 keskendub ainult terasest vedelikumahutite vastupanu ja stabiilsuse nõuetele. Muud nõuded on hõlmatud standardiga EN 14015 mahutite keskkonnamperatuuri osas, standardiga EN 14620 külmatootvate mahutite osas ja standardiga EN 1090 valmistamise ja montaaži kaalutluste osas. Need muud nõuded käsitlevad vundamente ja vajumisi, valmistamist, montaaži ja katsetamist, funktsionaalseid omadusi ning sissepääsuavade, flantside ja täitmiseadmete tüüpi detaile.

#### **EVS-EN 1993-4-2/NA:2010**

#### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-2: Vedelikumahutid. Eesti standardi rahvuslik lisa 92.-**

Eesti standard on Euroopa standardi EN 1993-4-2:2007 “Eurocode 3 - Design of steel structures - Part 4-2: Tanks” Eesti rahvuslik lisa, mis sisaldab rahvuslikult määratud parameetreid (NDP) ja protseduure, mida tuleb kasutada koos standardiga EN 1993-4-2 nende konstruksioonide projekteerimisel, mida püstitatakse Eestis.

#### **EVS-EN 1993-4-3:2007+NA:2010**

#### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-3: Torujuhtmed 229.-**

Eesti standard on Euroopa standardi EN 1993-4-3:2007 “Eurocode 3 - Design of steel structures - Part 4-3: Pipelines” ja selle paranduse EN 1993-4-3:2007/AC:2009 ingliskeelse teksti identne tõlge eesti keelde.

Eurokoodeksi 3 see osa 4-3 esitab põhimõtted ja rakendusjuhised ehituslikuks projekteerimiseks silindriliste terasest torustike jaoks, mis on ette nähtud vedelike või gaaside või vedelike ja gaaside segude transportimiseks keskkonnamperatuuril, mida pole käsitletud detailset rakendust hõlmavates muudes Euroopa standardites.

#### **EVS-EN 1993-4-3/NA:2010**

#### **Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 4-3: Torujuhtmed. Eesti standardi rahvuslik lisa 92.-**

Eesti standard on Euroopa standardi EN 1993-4-3:2007 “Eurocode 3 - Design of steel structures - Part 4-3: Pipelines” Eesti rahvuslik lisa, mis sisaldab rahvuslikult määratud parameetreid (NDP) ja protseduure, mida tuleb kasutada koos standardiga EN 1993-4-3 nende konstruksioonide projekteerimisel, mida püstitatakse Eestis.

#### **EVS-EN 437:2006+A1:2009**

#### **Katsetusgaasid. Katsetusrõhud. Tarvitite kategooriad 229.-**

Eesti standard on Euroopa standardi EN 437:2003+A1:2009 “Test gases – Test pressures – Appliance categories” konsolideeritud ingliskeelse teksti identne tõlge eesti keelde.

Standard kirjeldab gaasitarvitite katsetusgaase, katsetusrõhke ja kategooriaid seoses esimese, teise ja kolmanda gaasipere küttegaaside

kasutamiseks. Standard on kasutatav viitedokumendina gaasitarvitite tootestandardites, mis kuuluvad küttegaasiseadmeid käsitlevate liikmesriikide õigusaktide ühtlustamise kohase Nõukogu direktiivi (90/396/EÜ) käsitlusalasse.

Standard sisaldab soovitusi gaaside ja rõhkude kasutamise kohta gaasitarvitite katsetamisel. Täielikud katsetuskavad antakse tarvitite tootestandardites.

**MÄRKUS** Standardis antud katsetusgaasid ja katsetusrõhud on põhimõtteliselt mõeldud kasutatavana kõikide gaasitarvitite katsetamiseks nende asjakohastele standarditele vastavuse kindlakstegemisel.

EVS-EN 455-2:2009

**Ühekordselt kasutatavad meditsiinilised kindad Osa 2: Nõuded füüsikalistele omadustele ja katsetamine 105.-**

Eesti standard on Euroopa standardi EN 455-2:2009 "Medical gloves for single use - Part 2: Requirements and testing for physical properties" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määratleb nõuded ja katsetamismeetodid ühekordselt kasutatavate meditsiiniliste kinnaste (st kirurgilised kindad ja läbivaatus-/protseduurikindad) füüsikalistele omadustele, tagamaks, et kindad annavad ja säilitavad kasutamisel piisava kaitse ristnakkuse eest nii patsiendile kui ka kinda kasutajale.

Standardis ei täpsustata partii suurust. Tähelepanu on pööratud raskustele, mis on seotud väga suurte partiide levitamise ja kontrollimisega. Suurim soovituslik tootmispartii suurus on 500 000.

EVS-EN 3-7:2004+A1:2007

**Kantavad tulekustutid Osa 7: Omadused, talitlusnõuded ja katsetamismeetodid 256.-**

Eesti standard on Euroopa standardi EN 3-7:2004+A1:2007 "Portable fire extinguishers – Part 7: Characteristics, performance requirements and test methods" ingliskeelse teksti identne tõlge eesti keelde.

Standard määrab omadused, talitlusnõuded ning katsetamismeetodid kantavatele tulekustutitele.

Tulekustuti sobivus põlevgaasi kustutamiseks (C klassi tulekahjud) jääb tootjate enda otsustada, kuid see kehtib ainult pulbertulekustutitele, mille tulekustutusaine efektiivsustase vastab klassile B või klassile A ja B.

Kustutite sobivus kasutamiseks D tulekahjude puhul (põlevate metallidega seonduvad tulekahjud) jääb katsetulekahjude suhtes antud standardi käsitlusalast välja. Kuid D tulekahjudele sobivad kustutid on kõigi teiste nõuete puhul käesoleva standardiga pulberkustutite suhtes haaratud.

EVS-EN 60079-14:2008

**Plahvatusohtlikud keskkonnad. Osa 14: Elektripaigaldiste kavandamine, seadmete valik ja paigaldamine 336.-**

Eesti standard on Euroopa standardi EN 60079-14:2008 „Explosive atmospheres - Part 14: Electrical installations design, selection and erection” ingliskeelse teksti identne tõlge eesti keelde.

Standardi IEC 60079 see osa sisaldab plahvatusohupiirkondade elektripaigaldiste kavandamist, seadmete valikut ja paigaldamist käsitlevaid erinõudeid.

Kui seadmed peavad vastama muudest välistoimetest, nagu nt vee sissetungimisest või korrosioonitaluvusest tulenevatele nõuetele, võib vajalikuks osutuda täiendavate kaitsemeetmete kasutamine. Kasutatavad meetmed ei tohi oluliselt mõjutada ümbrise tugevusomadusi.

Standardi nõudeid rakendatakse ainult seadmete kasutamisel normaalsetes või peaaegu normaalsetes kliimaoludes. Muudes oludes võib vaja minna täiendavaid kaitsemeetmeid. Näiteks enamik põlevainetest ja paljud ained, mida tavaliselt peetakse mittepõlevateks, võivad hapnikurikkas keskkonnas väga intensiivselt põleda. Täiendavad kaitsemeetmed võivad osutuda vajalikuks, kui elektriseadmeid kasutatakse äärmuslikel temperatuuridel või rõhkudel. Need kaitsemeetmed ei kuulu käesoleva standardi kohaldusalasse.

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Ostu saab sooritada meie koduleheküljel  
asuvast ostukorvis [www.evs.ee/POOD](http://www.evs.ee/POOD)