

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 2009/105/EÜ Lihtsad surveanumad

(EL Teataja 2010/C 229/01)

25.08.2010

Kodifitseeritud versioon (direktiiv avaldatud 16.09.2010), asendab direktiivi 87/404/EMÜ

<b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>	<b>Viide asendatavale Eesti standardile</b>	<b>Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse</b> <b>Märkus 1</b>
EVS-EN 286-1:2000 Lihtsad leekkuumutusetu õhu või lämmastiku surveanumad. Osa 1: Üldotstarbelised surveanumad / <i>Simple unfired pressure vessels designed to contain air or nitrogen - Part 1: Pressure vessels for general purposes</i>	EVS-EN 286-1:1996 Märkus 2.1	Kehtivuse lõppkuupäev (31.08.1998)
EVS-EN 286-1:2000/A1:2002	Märkus 3	Kehtivuse lõppkuupäev (31.01.2003)
EVS-EN 286-1:2000/A2:2005	Märkus 3	Kehtivuse lõppkuupäev (30.04.2006)

EVS-EN 286-2:1999 Lihtsad leekkuumutusega õhu või lämmastiku surveanumad. Osa 2: Surveanumad õhkpõduritele või mootorveokite ja nende haagiste abisüsteemidele / <i>Simple unfired pressure vessels designed to contain air or nitrogen - Part 2: Pressure vessels for air braking and auxiliary systems for motor vehicles and their trailers</i>		
EVS-EN 286-3:1999 Lihtsad leekkuumutusega õhu või lämmastiku surveanumad. Osa 3: Terasest surveanumad raudteeveeremi õhkpõduriseadmetele / <i>Simple unfired pressure vessels designed to contain air or nitrogen - Part 3: Steel pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock</i>		
EVS-EN 286-4:1999 Lihtsad leekkuumutusega õhu või lämmastiku surveanumad. Osa 4: Alumiiniumsulamist surveanumad raudteeveeremi õhkpõduriseadmetele ja pneumaatilistele abiseadmetele / <i>Simple unfired pressure vessels designed to contain air or nitrogen - Part 4: Aluminium alloy pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock</i>		
EVS-EN 287-1:2004 Keevitajate atesteerimine. Sulakeevitus. Osa 1: Terased / <i>Approval testing of welders - Fusion welding - Part 1: Steels</i>		
EVS-EN 287-1:2004/A2:2006 Keevitajate atesteerimine. Sulakeevitus. Osa 1: Terased / <i>Qualification test of welders - Fusion welding - Part 1: Steels</i>	Märkus 1	Kehtivuse lõppkuupäev (30.09.2006)
EVS-EN 10207:2005 Terased lihtsate surveanumate valmistamiseks. Plaatide, ribade ja lattide tehnilised tarnenõuded / <i>Steels for simple pressure vessels - Technical delivery requirements for plates, strips and bars</i>		
EVS-EN ISO 15614-1:2004 Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1: Terased ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus (ISO 15614-1:2004) / <i>Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004)</i>		
EVS-EN ISO 15614-1:2004/A1:2008	Märkus 3	Kehtivuse lõppkuupäev (31.08.2008)
EVS-EN ISO 15614-2:2005 Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 2: Alumiiniumi ja selle sulamite kaarkeevitus (ISO 15614-2:2005) / <i>Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: Arc welding of aluminium and its alloys</i>		

#### Märkus 1

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

#### Märkus 2.1

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

Märkus 3

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

**Direktiiv 94/9/EÜ**  
**Plahvatusohtliku keskkonna seadmed ja kaitsesüsteemid**  
 (EL Teataja 2010/C 251/01)

<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 12581:2006+A1:2010 Pindamisseadmed. Sukel- ja elektrofoor- pindamismasinad orgaaniliste vedelike pindamismaterjalide kasutamiseks. Ohutusnõuded KONSOLIDEERITUD TEKST / <i>Coating plants - Machinery for dip coating and electrodeposition of organic liquid coating material - Safety requirements</i> CONSOLIDATED TEXT	17.09.2010	EVS-EN 12581:2006 Märkus 2.1	13.12.2010
EVS-EN 12757-1:2005+A1:2010 Kattematerjalide segamise masinad. Ohutusnõuded. Osa 1: Sõidukites kasutatavad segamismasinad KONSOLIDEERITUD TEKST / <i>Mixing machinery for coating materials - Safety requirements - Part 1: Mixing machinery for use in vehicle refinishing</i> CONSOLIDATED TEXT	17.09.2010	EVS-EN 12757- 1:2005 Märkus 2.1	31.12.2010
EVS-EN ISO 16852:2010 Leegitõkestid. Toimivusnõuded, katsemeetodid ja kasutuspiirangud / <i>Flame arresters - Performance requirements, test methods and limits for use</i>	17.09.2010	EVS-EN 12874:2001 Märkus 2.1	31.12.2010
EVS-EN 50223:2010 Kohtkindlad elektrostaatilised rakenduseseadmed süttivale helvesmaterjalile. Ohutusnõuded / <i>Stationary electrostatic application equipment for ignitable flock material - Safety requirements</i>	17.09.2010		
EVS-EN 50495:2010 Seadmete plahvatusohtu arvestavaks ohutuks talitluseks nõutavad ohutusseadmed / <i>Safety devices required for the safe functioning of equipment with respect to explosion risks</i>	17.09.2010		
EVS-EN 60079-20-1:2010 Plahvatusohtlikud keskkonnad. Osa 20-1: Gaaside ja aurude liigitamiseks kasutatavad materjaliomadused. Katsetamismeetodid ja tunnusväärtused / <i>Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data</i>	17.09.2010		

#### Märkus 1

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

#### Märkus 2.1

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

#### Märkus 3

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

## UUED STANDARDID JA KAVANDID ARVAMUSKÜSITLUSEKS

EVS Teataja avaldab andmed uutest vastuvõetud Eesti standarditest ja avalikuks arvamusküsitluseks esitatud standardite kavanditest rahvusvahelise standardite klassifikaatori (ICS) järgi. Samas jaotises on toodud andmed nii eesti keeles avaldatud, kui ka jõustumisteatega Eesti standarditeks ingliskeelsetena vastuvõetud rahvusvahelistest ja Euroopa standarditest.

Eesmärgiga tagada standardite vastuvõtmine järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardite kavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (reeglina 2 kuud) on asjast 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 Üldküsimumed. Terminoloogia. Standardimine. Dokumentatsioon
- 03 Teenused. Ettevõtte organiseerimine, juhtimine ja kvaliteet. Haldus. Transport. Sotsioloogia
- 07 Matemaatika. Loodusteadused
- 11 Tervisehooldus
- 13 Keskkonna- ja tervisekaitse. Ohutus
- 17 Metroloogia ja mõõtmine. Füüsikalised nähtused
- 19 Katsetamine
- 21 Üldkasutatavad masinad ja nende osad
- 23 Üldkasutatavad hüdro- ja pneumosüsteemid ja nende osad
- 25 Tootmistehnoloogia
- 27 Elektri- ja soojusenergeetika
- 29 Elektrotehnika
- 31 Elektroonika
- 33 Sidetehnika
- 35 Infotehnoloogia. Kontoriseadmed
- 37 Visuaaltehnika
- 39 Täppismehaanika. Juvelitooted
- 43 Maanteeõidukite 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-EN 459-1:2010**

Hind 243,00

Identne EN 459-1:2010

#### **Ehituslubi. Osa 1: Määratlused, spetsifikatsioon ja vastavuskriteeriumid**

This European Standard applies to building lime used for: - preparation of binder for mortar (for example for masonry, rendering and plastering); - production of other construction products (for example calcium silicate bricks, autoclaved aerated concrete, concrete, etc.); - civil engineering applications (for example soil treatment, asphalt mixtures, etc.). It gives definitions for the different types of building lime and their classification. It also gives requirements for their chemical and physical properties which depend on the type of building lime and specifies the conformity criteria. Terms of delivery or other contractual conditions, normally included in documents exchanged between the supplier and the purchaser of building lime, are outside the scope of this European Standard.

Keel en

Asendab EVS-EN 459-1:2006

### **EVS-EN 1555-1:2010**

Hind 135,00

Identne EN 1555-1:2010

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General**

This part of EN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 2 to 5 of EN 1555 it is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-1:2003

### **EVS-EN 13965-2:2010**

Hind 219,00

Identne EN 13965-2:2010

#### **Characterization of waste - Terminology - Part 2: Management related terms and definitions**

This European Standard, EN 13965-2, Characterization of waste — Terminology — Part 2: Management related terms and definitions, gives a compilation of selected and updated terms and definitions, for use by for example producers, waste industry and legislators in the waste management field. It is harmonized with the current language used in management as well as in regulation. It includes, with references (see Annex C), national terms and definitions where such needs have been expressed. It does not include terms related to detailed activities. The scope of CEN/TC 292 excludes radioactive wastes. Therefore, such concepts are not included in this standard. Definitions in other standards with a scope different from the scope of this European Standard can be different from the definitions in this standard.

Keel en

Asendab EVS-EN 13965-2:2004

### **EVS-EN 14588:2010**

Hind 229,00

Identne EN 14588:2010

#### **Solid biofuels – Terminology, definitions and descriptions**

This European Standard defines terms concerned in all standardisation work within the scope of CEN/TC 335. According to CEN/TC 335 this European Standard is applicable to solid biofuels originating from the following sources: - products from agriculture and forestry; - vegetable waste from agriculture and forestry; - vegetable waste from the food processing industry; - wood waste, with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste from construction- and demolition waste; - cork waste; - fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is co-incinerated at the place of production and heat generated is recovered.

Keel en

Asendab CEN/TS 14588:2003

### **EVS-EN 15947-1:2010**

Hind 166,00

Identne EN 15947-1:2010

#### **Pürotehnilised tooted. Kategooria 1, 2 ja 3 ilutulestik. Osa 1: Terminoloogia**

This European Standard defines various terms relating to the design, construction, primary packaging and testing of fireworks of categories 1, 2 and 3.

Keel en

Asendab EVS-EN 14035-1:2003



## **EVS-EN 60027-7:2010**

Hind 198,00

Identne EN 60027-7:2010

ja identne IEC 60027-7:2010

### **Letter symbols to be used in electrical technology - Part 7: Power generation, transmission and distribution**

This part of IEC 60027 is applicable to generation, transmission, and distribution of electric energy. It gives names and letter symbols for quantities and units. In addition, rules for multiple subscripts and their succession are given. This part of IEC 60027 is an addition to IEC 60027-1. Therefore letter symbols already given in IEC 60027-1 are repeated only if they have a special meaning in the field of power generation, transmission, and distribution or if they are used in this field with special subscripts. Guidance on the use of capital and lower case letters, is given in IEC 60027-1, 2.1, and guidance on the representation of complex quantities, is given in IEC 60027-1, 1.6. Therefore in many cases only U is given instead of U, U U = or u.

Keel en

## **EVS-EN 61666:2010**

Hind 135,00

Identne EN 61666:2010

ja identne IEC 61666:2010

### **Industrial systems, installations and equipment and industrial products - Identification of terminals within a system**

This International Standard establishes general principles for the identification of terminals of objects within a system, applicable to all technical areas (for example mechanical engineering, electrical engineering, construction engineering, process engineering). They can be used for systems based on different technologies or for systems combining several technologies. Requirements for marking of terminal designations on products are not part of this publication.

Keel en

Asendab EVS-EN 61666:2002

## **EVS-EN ISO 13943:2010**

Hind 256,00

Identne EN ISO 13943:2010

ja identne ISO 13943:2008

### **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

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **CEN/TS 14588:2003**

Identne CEN/TS 14588:2003

#### **Solid biofuels – Terminology, definitions and descriptions**

This European Technical specification defines terms concerned in all standardisation work within the scope of CEN/TC 335. According to CEN/TC 335 this European Technical specification is applicable to solid biofuels originating from the following sources:- products from agriculture and forestry, - vegetable waste from agriculture and forestry,- vegetable waste from the food processing industry,- wood waste, with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste from construction- and demolition waste, - cork waste, - fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is incinerated at the place of production and heat generated is recovered.

Keel en

Asendatud EVS-EN 14588:2010

### **EVS-EN 459-1:2006**

Identne EN 459-1:2001+AC:2002

#### **Ehituslubj. Osa 1: Määratlused, spetsifikatsioon ja vastavuskriteeriumid**

Käesolev standard kehtib ehituslubjadele, mida kasutatakse sideainena ehitismörtide (müüri- ja krohvimörtide) ning teiste ehitussegude ja -toodete valmistamisel. Käesolev standard sisaldab erinevate ehituslubjade määratlused ja nende klassifikatsiooni. Kirjeldatakse samuti erinevat tüüpi ehituslubjade esitatavaid keemilisi ja füüsikalisi nõudeid, mis sõltuvad ehituslubja tüübist ja spetsifitseeritakse vastavuskriteeriumid.

Keel et

Asendab EVS 763-1:2000

Asendatud EVS-EN 459-1:2010

### **EVS-EN 1555-1:2003**

Identne EN 1555-1:2002

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General**

This part of prEN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-1:2010

### **EVS-EN 13965-2:2004**

Identne EN 13965-2:2004

#### **Characterization of waste - Terminology - Part 2: Management related terms and definitions**

This European standard EN 13965-2, Characterization of waste - Terminology - Part 2: Management related terms and definitions, gives a compilation of selected and up-dated terms and definitions, for use by for example producers, waste industry and legislators in the waste management field. It is harmonized with the current language used in management as well as in regulation. It includes, with references, national terms and definitions where such needs have been expressed. It does not include terms related to detailed activities.

Keel en

Asendatud EVS-EN 13965-2:2010

### **EVS-EN 14035-1:2003**

Identne EN 14035-1:2003+AC:2005

#### **Fireworks - Part 1: Terminology**

This European Standard defines various terms relating to the design, construction, primary packaging and testing of fireworks

Keel en

Asendatud EVS-EN 15947-1:2010

### **EVS-EN 61666:2002**

Identne EN 61666:1997

ja identne IEC 61666:1997

#### **Industrial systems, installations and equipment and industrial products - Identification of terminals within a system**

This International Standard provides rules for the designation of terminals of objects within a system. The principles laid down are primarily intended for use in the electrotechnical and related areas, but are general and applicable to all technical areas. They can be used for systems based on different technologies or for systems combining several technologies.

Keel en

Asendatud EVS-EN 61666:2010

### **EVS-EN ISO 13943:2000**

Identne EN ISO 13943:2000

ja identne ISO 13943:1999

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

This document defines terminology relating to fire, principally fire tests. Each entry in this document is structured as follows: the term for the concept under consideration, together with an indication of the part of the speech, if not evident, and an indication of the unit to be used in the cases where the term describes a physical quantity: the definition of the concept. The terms are presented in English alphabetical order. Where more than one term is given for a concept, synonyms appear in alphabetical order in the index at the end of this document.

Keel en

Asendatud EVS-EN ISO 13943:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 13940-2**

Identne prEN 13940-2:2010

Tähtaeg 30.12.2010

#### **Health informatics - System of concepts to support continuity of care - Part 2: Health care process and workflow**

This part standard supplements Part 1(EN 13940-1). Its specific purpose is to define a system of concepts for the provision of care in clinical processes to an individual subject of care and the corresponding workflow. Furthermore the concepts aim to enable the management, including communication, so as to support continuity of care, taking into consideration data handling, decision making, quality control, and resource management. It provides the terminology for planning, delivery and follow-up of the activities and health conditions that form the overall health care and clinical process. An additional aim is to enable the reuse of clinical data for other purposes than the direct care of an individual subject of care at group level for follow up and knowledge management. This part standard identifies the most common objects processed that can be identified in clinical processes. It also takes into consideration the resource aspects, the responsibilities of health care providers and means for subject's of care participation. Whenever continuity of health care delivery implies social interventions as part of, or in support to, the health care process towards health recovery, these are to be mentioned wherever relevant in the process and workflow descriptions; but addressing those social interventions in depth is not within the scope of this European Standard.

Keel en

### **prEN ISO 6433**

Identne prEN ISO 6433:2010

ja identne ISO/DIS 6433:2010

Tähtaeg 30.12.2010

#### **Technical product documentation - Part references**

This International Standard gives rules for the presentation of part references in assembly representations, e.g. on assembly drawings, in order to identify the constituent parts in a related parts list.

Keel en

Asendab EVS-EN ISO 6433:1999

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

#### **UUED STANDARDID JA PUBLIKATSIOONID**

##### **EVS 903:2010**

Hind 256,00

ja identne IWA 4:2009

##### **Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001:2008 rakendamiseks kohalikus omavalitsuses**

Käesoleva standardi eesmärgiks on anda kohalikele omavalitsustele juhiseid terviklikel alustel ISO 9001:2008 vabatahtliku rakendamise tarvis. Need juhised ei lisa, muuda ega teisenda ISO 9001:2008 nõudeid. Et kohalikku omavalitsust peetaks usaldusväärseks, peaks ta garanteerima kodanikele vajalike teenuste järjekindlaks ja usaldusväärseks pakkumiseks vajalike protsesside usaldusväärse minimaalsed tingimused. Kõik kohaliku omavalitsuse protsessid, sh juhtimis-, põhi-, toimimis- ja tugiprotsessid (vt 3.6) peaksid moodustama ühe tervikliku kvaliteedijuhtimissüsteemi. Selle süsteemi terviklik iseloom on oluline seetõttu, et vastasel korral võib juhtuda, et kuigi kohalik omavalitsus võib olla usaldusväärne mõnes tegevusvaldkonnas, võib ta teistes osutada ebausaldusväärseks. Et kohalikku omavalitsust peetaks usaldusväärseks, peaks ta garanteerima kõikidele võtmeprotsessidele ja teenustele usaldusväärse minimaalsete tingimuste olemasolu. Selle saavutamiseks on soovitatav, et kohalik omavalitsus määraks üheselt kindlaks juhtimis-, põhi- ja tugiprotsessid, mis koos muudavad organisatsiooni usaldusväärseks.

Keel et

Asendab EVS 903:2008

##### **EVS-EN 62508:2010**

Hind 256,00

Identne EN 62508:2010

ja identne IEC 62508:2010

##### **Guidance on human aspects of dependability**

This International Standard provides guidance on the human aspects of dependability, and the human-centred design methods and practices that can be used throughout the whole system life cycle to improve dependability performance. This standard describes qualitative approaches. Examples of quantitative methods are given in Annex A. This International Standard is applicable to any area of industry where human/machine relationships exist, and is intended for use by technical personnel and their managers. This International standard is not intended to be used for certification, regulatory or contractual use.

Keel en

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

##### **EVS 903:2008**

##### **Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001:2000 rakendamiseks kohalikus omavalitsuses**

Käesolev IWA 4 valmistati ette selleks, et pakkuda kogu maailma kohalikele omavalitsustele järjekindlat lähenemisviisi kvaliteedijuhtimisele. Selle eesmärgiks on "tõlkida" ISO 9001:2000 tehniline keel kohaliku omavalitsuse inimestele kasutajasõbralikumasse keelde. Seejuures ergutatakse ja julgustatakse kohalikke omavalitsusi ISO 9001:2000 kasutama. Ometi, kuna erinevate regioonide ja kultuuripiirkondade kohalike omavalitsuste spetsiifilised asjaolud paratamatult erinevad, on oluline teadvustada, et ei ole olemas ühte ettekirjutatud teed ISO 9001:2000 nõuetele toetuva kvaliteedijuhtimissüsteemi juurutamiseks. Iga kohalik omavalitsus kohandab käesolevas dokumendis pakutud näited oma spetsiifiliste situatsiooni ja tingimuste kohaseks.

Keel et

Asendatud EVS 903:2010

##### **EVS-EN 24180-2:2003**

Identne EN 24180-2:1992

ja identne ISO 4180-2:1980

##### **Complete, filled transport packages - General rules for the compilation of performance test schedules - Part 2: Quantitative data**

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, weather transported by road, rail, sea, air or inland waterway, or by a combination of these modes of transport

Keel en

Asendatud EVS-EN ISO 4180:2010

##### **EVS-EN 24180-1:2003**

Identne EN 24180-1:1992

ja identne ISO 4180-1:1980

##### **Complete, filled transport packages - General rules for the compilation of performance test schedules - Part 1: Quantitative data**

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, weather transported by road, rail, sea, air or inland waterway, or by a combination of these modes of transport

Keel en

Asendatud EVS-EN ISO 4180:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEVS-IEC 60605-6**

ja identne IEC 60605-6:2007

Tähtaeg 30.12.2010

### **Seadmete töökindluse katsetamine. Osa 6: Törkevoo ja tõrkesageduse püsivuse hindamine ja õigsuse katsetamine**

Käesolev standard sätestab IEC 60050-191 kohaselt defineeritud törkevoo või tõrkesageduse eeldatava püsivuse kontrolli ja törkevoo või -sageduse tunnussuuruste määramise protseduuri. Neid protseduure saab rakendada alati, kui selliseid eeldusi on vaja kontrollida. See võib olla vajalik törkevoo või tõrkesageduse võimaliku ajalise muutumise kindlakstegemise nõude või tarbe korral.

Käesolevas standardis sätestatud meetodid võimaldavad

– katsetada, kas aeg rikke tekkeni on remontimata näidise korral eksponentsiaalselt jaotatud, s.t kas rikkevoog on püsiv;

– katsetada, kas remonditud näidise riketevaheline aeg on ajaliselt mingis suunas muutuv, s.t kas rikkesagedus ei näita suundumust suurenemisele või vähenemisele;

– koostada tunnusjooni, mis võimaldavad rikkevoo või rikkesageduse tunnussuurusi piitlikult esitada ning veenduda, kas neid saab lugeda püsivateks, et hinnata nende väärtusi või kindlaks teha püsivuse võimaliku muutuse iseloomu.

Keel en

Asendab EVS-IEC 60605-6:2006

### **prEVS-ISO 26000**

ja identne ISO 26000:2010

Tähtaeg 30.12.2010

### **Juhis vastutustundlikuks ettevõtluseks**

Käesolev rahvusvaheline standard annab juhiseid

erinevat tüüpi, eri suuruse ja asukohaga

organisatsioonidele käsitledes järgmisi valdkondi: 1)

Ühiskondliku vastutuse/vastutustundliku ettevõtluse

kontseptsioon, terminoloogia, definitsioon; 2)

Ühiskondliku vastutuse taust, trendid ja omadused; 3)

Ühiskondliku vastutusega seotud printsiibid ja praktikad;

4) Ühiskondliku vastutuse põhiteemad; 5) Ühiskondliku

vastutuse lõimimine, rakendamine ning edendamine

organisatsioonis läbi tegevuspoliitika ja praktika

organisatsiooni mõjuvõime ulatuses; 6)

Sidusrühmade määramine ja kaasamine; 7)

Ühiskondliku vastutusega seotud kohustuste, tulemuste

ning muu seonduva info kommunikatsioon.

Rahvusvaheline standard aitab organisatsioonidel

panustada jätkusuutlikku arengusse ning püüab

abistada tegema seadustest enamat, aktsepteerides, et

seaduste täitmine on organisatsiooni fundamentaalne

kohustus ning nende ühiskondliku vastutuse oluline osa.

Standard püüab ka aidata kujundada ühtset arusaama

ühiskondlikust vastutusest ning täiendada, mitte

asendada, varasemaid ühiskondliku vastutusega seotud

algatusi. ISO 26000 standardit rakendades on

soovituslik võtta arvesse kohaliku ühiskonna,

looduskeskkonna, kultuuri, poliitilise ning

ettevõtluskeskkonnaga seotud mitmekesisust. Lisaks on

oluline arvestada ka majanduskeskkonna seisundi

erinevusi, olles samal ajal kooskõlas rahvusvaheliste

käitumisnormidega. Käesolev standard ei ole

juhtimisüsteemi standard. See ei ole mõeldud ega ole

sobilik rakendada sertifitseerimise, regulatiivsel või

lepingulisel eesmärgil. Igasugune pakkumine

sertifitseerimiseks või kinnitus sertifitseeritud olemisest

ISO 26000 standardi põhjal on käesoleva standardi

eesmärgi suhtes väärkasutus. Kuna käesolev standard

ei sisalda nõudeid, siis oleks igasugune sertifitseerimine

vastuolus käesoleva rahvusvahelise standardiga. ISO

26000 standard on mõeldud juhiseina

organisatsioonidele nende ühikondlikuks vastutuseks

ning seda võib kasutada ka poliitikakujundamisel.

Samas on oluline arvestada, et Maailma

Kaubandusorganisatsiooni (WTO) asutamislepingu

(Marrakeši leping) kontekstis ei tohi käesolevat

standardit käsitleda kui „rahvusvahelist standardit“,

„juhendit“ või „soovitust“. Samamoodi ei saa eeldada, et

meede on kooskõlas WTO kohustustega. Oluline on ka

tähele panna, et standardi eesmärgiks ei ole olla alus

seadusandlikeks meetmeteks, kaebusteks, kaitseks või

teisteks rahvusvahelisteks, riiklikeks või muu tasandi

(kohtu)menetlusteks ning sellele ei tohi viidata kui

rahvusvahelise tavaõiguse arengule. Rahvusvaheline

standard ei ole mõeldud olemaks takistuseks

spetsiifilisteks, rangemateks või muud tüüpi riiklike

standardite arengule.

Keel en

## prEN 16194

Identne prEN 16194:2010

Tähtaeg 30.12.2010

### **Mobile non-sewer-connected toilet cabins - Requirements of services and products relating to the deployment of cabins and sanitary products**

This standard applies to mobile toilet cabins that are not connected to a sewerage system. It specifies requirements of the services relating to the deployment of cabins and the relevant requirements for cabins and sanitary products, taking into account hygiene, health and safety. It specifies minimum quality requirements relating to cabins and sanitary products and also relating to the extent of cleaning required, the number of cabins to be provided, locations and cleaning/disposal intervals.

Keel en

## **07 MATEMAATIKA. LOODUSTEADUSED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TR 16059:2010**

Hind 124,00

Identne CEN/TR 16059:2010

#### **Food analysis - Performance criteria for single laboratory validated methods of analysis for the determination of mycotoxins**

This Technical Report gives criteria for single laboratory validated methods of analysis for the determination of mycotoxins. The criteria and topics covered are accuracy, trueness, recovery, precision, measurement uncertainty, selectivity, applicability, linearity, limit of detection, limit of quantification, sensitivity, ruggedness, specificity. This report also contains information on terms and definitions, validation, standardization procedures and interlaboratory studies by international organizations (e.g. AOAC, CEN, ISO, IUPAC, IDF). Confirmatory methods and screening methods are described. The validation criteria specified for mycotoxins in general are given.

Keel en

#### **EVS-EN ISO 13720:2010**

Hind 105,00

Identne EN ISO 13720:2010

ja identne ISO 13720:2010

#### **Meat and meat products - Enumeration of presumptive *Pseudomonas* spp.**

This International Standard specifies a method for the enumeration of presumptive *Pseudomonas* spp. present in meat and meat products, including poultry.

Keel en

## **EVS-EN ISO 29701:2010**

Hind 178,00

Identne EN ISO 29701:2010

ja identne ISO 29701:2010

### **Nanotechnologies - Endotoxin test on nanomaterial samples for in vitro systems - Limulus amoebocyte lysate (LAL) test**

This International Standard describes the application of a test using Limulus amoebocyte lysate (LAL) reagent for the evaluation of nanomaterials intended for cell-based in vitro biological test systems. The test is suitable for use with nanomaterial samples dispersed in aqueous media, e.g. water, serum or reaction medium, and to such media incubated with nanomaterials for an appropriate duration at 37 °C. This International Standard is restricted to test samples for in vitro systems, but the methods can also be adapted to nanomaterials to be administered to animals by parenteral routes.

Keel en

## **11 TERVISEHOOLDUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 8362-2:2010**

Hind 92,00

Identne EN ISO 8362-2:2010

ja identne ISO 8362-2:2008

#### **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.

Keel en

Asendab EVS-EN 28362-2:1999

#### **EVS-EN 80601-2-30:2010**

Hind 256,00

Identne EN 80601-2-30:2010

ja identne IEC 80601-2-30:2009 + corr2010

#### **Medical electrical equipment -- Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers**

This International Standard applies to the basic safety and essential performance of automated sphygmomanometers, hereafter referred to as ME equipment, which by means of an inflatable CUFF, are used for intermittent indirect measurement of the blood pressure without arterial puncture.

Keel en

## **EVS-EN ISO 29701:2010**

Hind 178,00

Identne EN ISO 29701:2010

ja identne ISO 29701:2010

### **Nanotechnologies - Endotoxin test on nanomaterial samples for in vitro systems - Limulus amoebocyte lysate (LAL) test**

This International Standard describes the application of a test using Limulus amoebocyte lysate (LAL) reagent for the evaluation of nanomaterials intended for cell-based in vitro biological test systems. The test is suitable for use with nanomaterial samples dispersed in aqueous media, e.g. water, serum or reaction medium, and to such media incubated with nanomaterials for an appropriate duration at 37 °C. This International Standard is restricted to test samples for in vitro systems, but the methods can also be adapted to nanomaterials to be administered to animals by parenteral routes.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 12523:1999**

Identne EN 12523:1999

#### **Jäsemete välimised proteesid ja välimised ortopeediaseadmed. Nõuded ja katsemeetodid**

This standard specifies requirements and test methods for external limb prostheses and external orthoses.

Keel en

Asendatud EVS-EN ISO 22523:2006

### **EVS-EN 28362-2:1999**

Identne EN 28362-2:1993

ja identne ISO 8362-2:1988

#### **Süstitava ravimpreparaatide mahutid ja lisaseadised. Osa 2: Väikeste süstepudelite sulgurid**

Standardi käesolev osa määrab kindlaks kuju, mõõtmed, materjali, eksploatatsiooniparameetrid, nõuded ja testid väikeste süstepudelite sulguritele, mis on hõlmatud EN 28362-1 ja EN 28362-4-ga.

Keel en

Asendatud EVS-EN ISO 8362-2:2010

### **EVS-EN ISO 11609:1999**

Identne EN ISO 11609:1998

ja identne ISO 11609:1995

#### **Stomatoloogia. Hambapastad. Nõuded, katsemeetodid ja märgistus**

Käesolev standard esitab testimismeetodid ja nõuded selliste hambapastade füüsikalistele ja keemilistele omadustele ning märgistusele ja/või sildiga märgistamisele, mis on mõeldud igapäevaseks kasutamiseks koos hambaharjaga, et hoolitseda suuhügieeni eest.

Keel en

Asendatud EVS-EN ISO 11609:2010

### **EVS-ENV 12718:2002**

Identne ENV 12718:2001

#### **Meditsiinilised survesukad ja -sokid**

This standard specifies requirements and performance and gives test methods for medical compression hosiery, including custom-made hosiery, knitted from threads made of natural fibres or synthetic fibres and elastic threads. It is applicable to medical compression hosiery which is used as a medical device for the treatment of venous and/or lymphatic diseases of the leg.

Keel en

Asendatud CEN/TR 15831:2009

## **EVS-ENV 12719:2002**

Identne ENV 12719:2001

### **Meditsiinilised tromboosiprofülaktika sukad ja sokid**

This Standard applies to anti-thrombo embolism hosiery, knitted from threads made of natural fibres or synthetic fibres and elastic threads, which is used as a medical device for prophylaxis. The standard specifies performance requirements and test methods.

Keel en

Asendatud CEN/TR 15831:2009

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN ISO 10524-3:2006/prA1:2010**

Identne EN ISO 10524-3:2006/prA1:2010

ja identne ISO 10524-3:2005/DAM 1:2010

Tähtaeg 30.12.2010

#### **Meditsiiniliste gaaside rõhu regulaatorid. Osa 3: Ballooni ventiilidega ühendatud rõhuregulaatorid**

This part of ISO 10524 applies to pressure regulators integrated with cylinder valves (as defined in 3.16) intended for the administration of medical gases in the treatment, management, diagnostic evaluation and care of patients for use with the following medical gases: - oxygen; - nitrous oxide; - air for breathing; - helium; - carbon dioxide; - xenon; - specified mixtures of the gases listed above; - air for driving surgical tools; - nitrogen for driving surgical tools.

Keel en

### **prEN ISO 3826-1**

Identne prEN ISO 3826-1:2010

ja identne ISO/DIS 3826-1:2010

Tähtaeg 30.12.2010

#### **Plastics collapsible containers for human blood and blood components - Part 1: Conventional containers**

This part of ISO 3826 specifies requirements, including performance requirements, for plastics collapsible, non-vented, sterile containers complete with collecting tube outlet port(s), integral needle and with optional transfer tube(s), for the collection, storage, processing, transport, separation and administration of blood and blood components. The plastics containers may contain anticoagulant and/or preservative solutions, depending on the application envisaged. This part of ISO 3826 is also applicable to multiple units of plastics containers, e.g. to double, triple, quadruple or multiple units. Unless otherwise specified, all tests specified in this part of ISO 3826 apply to the plastics container as prepared ready for use. This part of ISO 3826 is not applicable to plastics containers with an integrated filter.

Keel en

Asendab EVS-EN ISO 3826-1:2004

**prEN ISO 5361**

Identne prEN ISO 5361:2010

ja identne ISO/DIS 5361:2010

Tähtaeg 30.12.2010

**Anaesthetic and respiratory equipment - Tracheal tubes and connectors**

This standard provides the essential requirements for tracheal tubes and tracheal tube connectors. Tracheal tubes with walls reinforced with metal or nylon, tracheal tubes with shoulders, tapering, tracheal tubes with provision for suctioning or monitoring or delivery of drugs or other gases, and the many other types of tracheal tubes devised for specialized applications are included in this specification, as many specialized tracheal tubes are now commonly used, and all share similar essential requirements as defined in this International Standard. Tracheobronchial (endobronchial) tubes, tracheostomy tubes and supralaryngeal airways are excluded from the scope of this International Standard. Tracheal tubes for use with flammable anaesthetic gases or agents and laser or electrosurgical equipment are not covered by this standard.

Keel en

**prEN ISO 10993-1**

Identne EN ISO 10993-1:2009

ja identne ISO 10993-1:2009

Tähtaeg 30.12.2010

**Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process (ISO 10993-1:2009)**

This part of ISO 10993 describes: - the general principles governing the biological evaluation of medical devices within a risk management process; - the general categorization of devices based on the nature and duration of their contact with the body; - the evaluation of existing relevant data from all sources; - the identification of gaps in the available data set on the basis of a risk analysis; - the identification of additional data sets necessary to analyse the biological safety of the medical device; - the assessment of the biological safety of the medical device. This part of ISO 10993 does not cover testing of materials and devices that do not come into direct or indirect contact with the patient's body, nor does it cover biological hazards arising from any mechanical failure. Other parts of ISO 10993 cover specific tests, as indicated in the Foreword.

Keel en

Asendab EVS-EN ISO 10993-1:2009

**13 KESKKONNA- JA TERVISEKAITSE. OHUTUS****UUED STANDARDID JA PUBLIKATSIOONID****CEN/TR 16099:2010**

Hind 135,00

Identne CEN/TR 16099:2010

**Fire service equipment - Summary of water pressures specified in published CEN/TC 192 standards**

This Technical Report identifies the various elements of fire ground operations which work together to form a system for the delivery of water or other extinguishing media. The Technical Report also identifies the CEN/TC 192 Working Groups responsible for the standard(s) for that specific item(s) of equipment. The pressures at which these various items of equipment operate at, as described in their respective standard, are identified and collated and an explanation as to what such pressures relate to is given. Recommendations are provided in relation to the revision of existing standards and the preparation of new ones in respect of water pressures.

Keel en

**EVS 812-3:2007/AC:2010**

Hind 0,00

ja identne EVS 812-3:2007

**Ehitiste tuleohutus. Osa 3: Küttesüsteemid**

Standard käsitleb ehitiste kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Keel et

Asendab EVS 812-3:2002

**EVS-EN 13965-2:2010**

Hind 219,00

Identne EN 13965-2:2010

**Characterization of waste - Terminology - Part 2: Management related terms and definitions**

This European Standard, EN 13965-2, Characterization of waste — Terminology — Part 2: Management related terms and definitions, gives a compilation of selected and updated terms and definitions, for use by for example producers, waste industry and legislators in the waste management field. It is harmonized with the current language used in management as well as in regulation. It includes, with references (see Annex C), national terms and definitions where such needs have been expressed. It does not include terms related to detailed activities. The scope of CEN/TC 292 excludes radioactive wastes. Therefore, such concepts are not included in this standard. Definitions in other standards with a scope different from the scope of this European Standard can be different from the definitions in this standard.

Keel en

Asendab EVS-EN 13965-2:2004

**EVS-EN 15767-3:2010**

Hind 166,00

Identne EN 15767-3:2010

**Portable equipment for projecting extinguishing agents supplied by fire fighting pumps - Portable monitors - Part 3: Foam devices**

1.1 In addition to the requirements given in EN 15767-1, this part of this European standard applies to devices designed for aspirating air and projecting low expansion foam and, in some cases, inducting foam concentrate. It specifies requirements for safety, performance, classification and designation, as well as test methods, instructions for use and maintenance and marking. 1.2 This European Standard is only applicable to foam devices which are manufactured after its date of publication.

Keel en

**EVS-EN 50131-1:2006/IS2:2010**

Hind 0,00

Identne EN 50131-1:2006/IS2:2010

**Alarm systems - Intrusion and hold-up systems – Part 1: System requirements**

Keel en

Asendab EVS-EN 50131-1:2006/IS1:2009

**EVS-EN 50131-5-3:2005/IS1:2010**

Hind 0,00

Identne EN 50131-5-3:2005/IS1:2010

**Alarm systems - Intrusion systems - Part 5-3: Requirements for interconnections equipment using radio frequency techniques – Interpretation of Subclause 5.1.6**

Keel en

**EVS-EN 50518-2:2010**

Hind 114,00

Identne EN 50518-2:2010

**Monitoring and alarm receiving centre - Part 2: Technical requirements**

This part of EN 50518 specifies the technical requirements of an ARC. This also includes functional performance criteria and verification of performance.

Keel en

**EVS-EN 60335-1:2003/A14:2010**

Hind 145,00

Identne EN 60335-1:2002/A14:2010

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 1: Üldnõuded**

This European Standard deals with the safety of electrical appliances and machines for household environment and commercial purpose, their rated voltage being not more than 250 V for single-phase appliances and machines and 480 V for other appliances and machines.

Keel en

**EVS-EN 60335-2-21:2003/AC:2010**

Hind 0,00

Identne EN 60335-2-21:2003/corr:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-21: Erinõuded salvestusveesoojenditele**

Keel en

**EVS-EN 60695-6-1:2005/A1:2010**

Hind 135,00

Identne EN 60695-6-1:2005/A1:2010

ja identne IEC 60695-6-1:2005/A1:2010

**Fire hazard testing Part 6-1: Smoke obscuration – General guidance**

Gives guidance on: a) optical measurement of smoke obscuration; b) general aspects of optical smoke test methods; c) consideration of test methods; d) expression of smoke test data; e) relevance of optical smoke data to hazard assessment.

Keel en

**EVS-EN 60695-7-1:2010**

Hind 178,00

Identne EN 60695-7-1:2010

ja identne IEC 60695-7-1:2010

**Fire hazard testing - Part 7-1: Toxicity of fire effluent - General guidance**

This part of IEC 60695 provides guidance on the factors which affect the toxic hazard from fires involving electrotechnical products, and provides information on the methodologies recommended by ISO TC 92 (SC 3) for estimating and reducing the toxic hazard from fires, as expressed in ISO 19706, ISO 13344 and ISO 13571. There is no single test to realistically assess toxic hazard in fires. Small-scale toxic potency tests are not capable on their own of assessing the toxic hazard in fires. Current toxicity tests attempt to measure the toxic potency of a laboratory generated fire effluent. Toxic potency should not be confused with toxic hazard. 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

Asendab EVS-EN 60695-7-1:2004



**EVS-EN 60695-1-11:2010**

Hind 229,00

Identne EN 60695-1-11:2010

ja identne IEC 60695-1-11:2010

**Fire hazard testing - Part 1-11: Guidance for assessing the fire hazard of electrotechnical products - Fire hazard assessment**

This part of IEC 60695-1 provides guidance for assessing the fire hazard of electrotechnical products and for the resulting development of fire hazard testing as related directly to harm to people, animals or property. For the purposes of this standard, product means complete electrotechnical equipments, their parts (including components) and electrical insulating materials. It outlines a hazard-based process to identify appropriate fire test methods and performance criteria for products. The principles of the methodology are to identify fire events (fire scenarios) which will be associated with the product, to establish how the measurable fire properties of the product are related to the possible occurrence and outcome of those events, and to establish test methods and performance requirements for those properties which will either result in a tolerable fire outcome or eliminate the event altogether. This standard is intended as guidance to IEC committees, and should be used with respect to their individual applications. The actual implementation of this standard remains the responsibility of each product committee, according to the minimum acceptable fire safety in its application field and taking into account the feedback from experience. 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

Asendab EVS-EN 60695-1-11:2010

**EVS-EN ISO 12863:2010**

Hind 166,00

Identne EN ISO 12863:2010

ja identne ISO 12863:2010

**Standardne katsemeetod sigarettide süttivuse hindamiseks**

This International Standard provides a standard assessment of the capability of a cigarette, positioned on one of three standard substrates, to extinguish or to generate sufficient heat to continue burning, and thus potentially cause ignition of bedding or upholstered furniture. This International Standard is applicable to factory-made cigarettes that burn along the length of a tobacco column. This is a performance-based standard; it does not prescribe any design features of the cigarette that might lead to improved or degraded performance in the test method. The output of this method has been correlated with the potential for cigarettes to ignite upholstered furniture.

Keel en

**EVS-EN ISO 13943:2010**

Hind 256,00

Identne EN ISO 13943:2010

ja identne ISO 13943:2008

**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 13943:2010

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 13565-2:2009/AC:2009**

Identne EN 13565-2:2009/AC:2009

**Fixed firefighting systems - Foam systems - Part 2: Design, construction and maintenance**

Keel en

Asendatud EVS-EN 13565-2:2009/AC:2010

**EVS-EN 13965-2:2004**

Identne EN 13965-2:2004

**Characterization of waste - Terminology - Part 2: Management related terms and definitions**

This European standard EN 13965-2, Characterization of waste - Terminology - Part 2: Management related terms and definitions, gives a compilation of selected and up-dated terms and definitions, for use by for example producers, waste industry and legislators in the waste management field. It is harmonized with the current language used in management as well as in regulation. It includes, with references, national terms and definitions where such needs have been expressed. It does not include terms related to detailed activities.

Keel en

Asendatud EVS-EN 13965-2:2010

**EVS-EN 50131-1:2006/IS1:2009**

Identne EN 50131-1:2006/IS1:2009

**Alarm systems - Intrusion and hold-up systems -- Part 1: System requirements**

Keel en

Asendatud EVS-EN 50131-1:2006/IS2:2010

**EVS-EN 50371:2002**

Identne EN 50371:2002

**Erialastandard väikevõimsusliku elektroonilise ja elektrilise aparatuuri vastavusest põhipiirangutele seoses inimese viibimisega elektromagnetiliste väljade (10 MHz – 300 GHz) toime all. Üldavalik**

This generic standard applies to low power electronic and electrical apparatus for which no dedicated product- or product family standard regarding human exposure to electromagnetic fields applies. The frequency range covered is 10 MHz to 300 GHz. The object of this standard is to demonstrate the compliance of such apparatus with the basic restrictions on exposure of the general public to electric, magnetic and electromagnetic fields and contact current.

Keel en

Asendatud EVS-EN 62479:2010

#### **EVS-EN 60695-1-1:2001**

Identne EN 60695-1-1:2000

ja identne IEC 60695-1-1:1999 + Corr.:2000

#### **Tuleohukatsetused. Osa 1-1: Juhend elektritoodete tuleohtu hindamiseks. Üldsuunised**

The standard provides general guidance for fire hazard testing.

Keel en

Asendatud EVS-EN 60695-1-10:2010; EVS-EN 60695-1-11:2010

#### **EVS-EN 60695-7-1:2004**

Identne EN 60695-7-1:2004

ja identne IEC 60695-7-1:2004

#### **Fire hazard testing - Part 7-1: Toxicity of fire effluent - General guidance**

Provides guidance on the factors which affect the toxic hazard from fires involving electrotechnical products, and provides information on the methodologies recommended by ISO TC 92 (SC 3) for estimating and reducing toxic hazard from fires, as expressed in ISO/TR 9122 (Parts 1 to 6), ISO 13344 and ISO/TS 13571.

There is no single test to realistically assess toxic hazard in fires. Small-scale toxic potency tests are not capable on their own of assessing fire hazard. Current toxicity tests attempt to measure the toxic potency of a laboratory generated fire effluent. Toxic potency should not be confused with toxic hazard. Although the structure of this standard remains essentially the same, the main changes with respect to the previous edition are listed below: - Introduction: an explanation concerning the publication of IEC 60695-7-50, a small-scale toxicity test method, reference to IEC 60695-7-51 which covers the calculation and interpretation of test results, an explanation of the alignment with ISO/TC 92 Fire safety. - The expansion of the scope further clarifies the subject matter and alignment with ISO/TC 92, in particular ISO 13344 and ISO/TS 13571. - Formulae are given for the calculation of the fraction of the incapacitating dose for each of the asphyxiants, carbon monoxide and hydrogen cyanide. - Volume fractions that are expected to cause incapacitation (F values) are given for some of the more important irritants. - The definitions have been greatly expanded and updated. - The subclause on factors determining toxic hazard has been expanded. - New subclauses include general aspects of small-scale test methods, evaluation of test methods and the relevance of toxic hazard data to hazard assessment. - A flowchart has been added to outline the stages to be followed for test method assessment. Has the status of a basic safety publication in accordance with IEC Guide 104.

Keel en

Asendatud EVS-EN 60695-7-1:2010

#### **EVS-EN ISO 13943:2000**

Identne EN ISO 13943:2000

ja identne ISO 13943:1999

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

This document defines terminology relating to fire, principally fire tests. Each entry in this document is structured as follows: the term for the concept under consideration, together with an indication of the part of the speech, if not evident, and an indication of the unit to be used in the cases where the term describes a physical quantity: the definition of the concept. The terms are presented in English alphabetical order. Where more than one term is given for a concept, synonyms appear in alphabetical order in the index at the end of this document.

Keel en

Asendatud EVS-EN ISO 13943:2010

#### **EVS-ISO 14063:2008**

ja identne ISO 14063:2006

#### **Keskonnajuhtimine. Keskkonnaalane kommunikatsioon. Juhtnõid ja näited**

Käesolev rahvusvaheline standard juhendab organisatsiooni keskkonnaalase sise- ja väliskommunikatsiooni põhimõtete, poliitika, strateegia ja tegevuste osas. See kasutab kontrollitud ja hästitõestatud kommunikatsioonimeetodeid, mis on kohandatud keskkonnaalases kommunikatsioonis eksisteerivatele spetsiifilistele tingimustele. See on kohaldatav kõikidele organisatsioonidele olenemata nende suurusest, tüübist, asukohast, struktuurist, tegevustest, toodetest ja teenustest ning vaatamata sellele, kas neis on kehtestatud keskkonnajuhtimise süsteem või mitte. Käesolev rahvusvaheline standard ei ole mõeldud kasutamiseks spetsifikatsioonistandardina sertifitseerimise või registreerimise eesmärgil või mõne muu keskkonnajuhtimise süsteemi vastavuse nõuete kehtestamiseks. Seda võib kasutada koos mistahes ISO 14000 standardite seeriaga või iseseisvalt. MÄRKUS 1 Lisas A on välja toodud viitetabel ISO 14000 seeriatele. MÄRKUS 2 ISO 14020, ISO 14021, ISO 14024 ja ISO 14025 sätestavad spetsiifilised keskkonnaalase kommunikatsiooni vahendid ja juhtnõid, mis on seotud toodete märgistamisega ja deklaratsioonidega.

Keel en

Asendatud EVS-EN ISO 14063:2010

#### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 60335-1:2003/FprAG**

Identne EN 60335-1:2002/FprAG:2010

Tähtaeg 30.12.2010

#### **Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 1: Üldnõuded**

Deals with the safety of electrical appliances for household and similar purposes. It deals with the common hazards presented by appliances that are encountered by all persons in and around the home. It also covers appliances used by laymen in shops, in light industry and on farms (such as catering equipment, and industrial and commercial cleaning appliances). The rated voltage of the appliances are not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

## **EN ISO 9241-410:2008/prA1**

Identne EN ISO 9241-410:2008/prA1:2010

ja identne ISO 9241-410:2008/DAM 1:2010

Tähtaeg 30.12.2010

### **Ergonomics of human-system interaction - Part 410: Design criteria for physical input devices**

This part of ISO 9241 specifies criteria based on ergonomics factors for the design of physical input devices for interactive systems including keyboards, mice, pucks, joysticks, trackballs, trackpads, tablets and overlays, touch-sensitive screens, styli and light pens, and voice- and gesture-controlled devices. It gives guidance on the design of these devices, taking into consideration the capabilities and limitations of users, and specifies generic design criteria for physical input devices, as well as specific criteria for each type of device. Requirements for the design of products are given either as a result of context-free considerations, or else can be determined based on the specified design criteria for the intended use; such specified criteria generally having been subdivided into task-oriented categories, wherever applicable. **EXAMPLE** The resolution of a pointing device is given in relation to four levels of index of difficulty for the Fitts test. The required category for the resolution can be determined on the basis of the task characteristics, user population and context of use for the intended application. This part of ISO 9241 does not specify the categories that are appropriate for devices as, according to the concept of usability, a product has no inherent usability. Selecting the category to which a certain property of a device belongs is subject to the design of a product.

Keel en

#### **prEN 840-1**

Identne prEN 840-1 rev:2010

Tähtaeg 30.12.2010

### **Teisaldatavad heitmekonteinerid. Osa 1: Kaherattalised konteinerid mahuga kuni 400 l, tõstmiseks kamm-tõsteseadistega, mõõtmel ja konstrueerimine**

This European Standard specifies dimensions and design requirements of mobile waste containers with 2 wheels, with capacity up to 400 l to be used by comb lifting devices.

Keel en

Asendab EVS-EN 840-1:2004

#### **prEN 840-2**

Identne prEN 840-2 rev:2010

Tähtaeg 30.12.2010

### **Teisaldatavad heitmekonteinerid. Osa 2: Neljarattalised sileda kaanega konteinerid mahuga kuni 1 300 l, tõstmiseks tihvt- ja/või kamm-tõsteseadistega. Mõõtmel ja konstrueerimine**

This European Standard specifies dimensions and design requirements of mobile waste containers with 4 wheels, with flat lid(s) and capacity up to 1300 l to be used by trunnion and/or comb lifting device.

Keel en

Asendab EVS-EN 840-2:2004

#### **prEN 840-3**

Identne prEN 840-3:2010

Tähtaeg 30.12.2010

### **Teisaldatavad heitmekonteinerid. Osa 3: Neljarattalised kuppelkaanega konteinerid mahuga kuni 1300 l, tõstmiseks tihvt- ja/või kamm-tõsteseadistega. Mõõtmel ja konstrueerimine**

This European Standard specifies dimensions and design requirements of mobile waste containers with 4 wheels, with dome lid(s) and capacity up to 1300 l to be used by trunnion and/or comb lifting device.

Keel en

Asendab EVS-EN 840-3:2004

#### **prEN 840-4**

Identne prEN 840-4 rev:2010

Tähtaeg 30.12.2010

### **Mobile waste containers - Part 4: Containers with 4 wheels with a capacity up to 1 700 l with flat lid(s), for wide trunnion or BG- and/or wide comb lifting devices - Dimensions and design**

This European Standard specifies dimensions and design requirements of mobile waste containers with 4 wheels, with flat lid(s) and capacity up to 1 700 l to be used by wide trunnion or BG-lifting device and/or wide comb lifting device.

Keel en

Asendab EVS-EN 840-4:2004

#### **prEN 840-5**

Identne prEN 840-5:2010

Tähtaeg 30.12.2010

### **Teisaldatavad heitmekonteinerid. Osa 5: Nõuded töomadustele ja katsemeetodid**

This European Standard gives the test methods for mobile waste containers according to EN 840-1 to EN 840-4. It also gives the levels to be reached during the tests or after they have been done. This European Standard is applicable to mobile waste containers with capacities up to 1 700 l.

Keel en

Asendab EVS-EN 840-5:2004

#### **prEN 840-6**

Identne prEN 840-6:2010

Tähtaeg 30.12.2010

### **Teisaldatavad heitmekonteinerid. Osa 6: Ohutuse ja tervisekaitse nõuded**

This European Standard provides the essential safety, health and ergonomic requirements for mobile waste containers according to EN 840-1 to EN 840-4, not including hazardous wastes containers.

Keel en

Asendab EVS-EN 840-6:2004+A1:2008

**prEN 15882-2**

Identne prEN 15882-2:2010

Tähtaeg 30.12.2010

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

This standard provides guidance and rules to notified or accredited bodies (for Fire Dampers) to allow them to define the extended field of application for fire dampers. This standard identifies the parameters that affect the fire resistance of dampers. It also identifies the factors that need to be considered when deciding whether, or by how much, the parameter can be extended when contemplating the fire resistance performance of an untested, or untestable variation in the construction. The standard gives the principles behind how a conclusion on the influence of specific parameters/constructional details relating to the relevant criteria (E,I,S) can be achieved. The standard does not cover dampers used for smoke control. This document only applies to extended fields of application based on tests successfully undertaken to EN 1366-2. Leakage determined during such tests shall be at least 10 % below the leakage limits for E, or for ES, dependent on classification achieved, given in EN 13501-3 before the EXAP rules can be applied. By application of this standard, it should be possible to identify what specifications should be tested to maximise the field of application. Some information on test programmes is given for guidance purposes.

Keel en

**prEN 16161**

Identne prEN 16161:2010

Tähtaeg 30.12.2010

**Water quality - Guidance on the use of in vivo absorption techniques for the estimation of chlorophyll-a concentration in marine and fresh water samples**

This European Standard provides guidance in the use of in vivo absorption techniques to quantify chlorophyll-a concentration in marine and fresh waters. This European Standard comprises: - definition of the equipment requirement; - a priori data and mathematical tools; - recommendations for verification of measurement system performance and consideration of factors that can influence measurements; - listing of the procedures to be implemented.

Keel en

**prEN 16181**

Identne prEN 16181:2010

Tähtaeg 30.12.2010

**Sludge, treated biowaste and soil - Determination of polycyclic aromatic hydrocarbons (PAH) by gas chromatography (GC) and high performance liquid chromatography (HPLC)**

This European Standard specifies the quantitative determination of 16 polycyclic aromatic hydrocarbons (PAH) (see Table 2) in sludge and treated biowaste using GC/MS and HPLC-UV-DAD/FLD covering a wide range of PAH contamination levels (see also annex A). When using fluorescence detection acenaphthylene cannot be measured.

Keel en

**prEN 16192**

Identne prEN 16192:2010

Tähtaeg 30.12.2010

**Characterization of waste - Analysis of eluates**

This European Standard specifies methods for the determination of the parameters pH, ammonium, AOX, As, Ba, Cd, Cl-, easily liberatable CN-, Co, Cr, Cr(VI), Cu, DOC/TOC, electrical conductivity, F-, Hg, Mo, Ni, NO<sub>2</sub>-, Pb, phenol index, total S, Sb, Se, SO<sub>4</sub><sup>2-</sup>, TDS, V and Zn in aqueous eluates for the characterization of waste.

Keel en

Asendab EVS-EN 12506:2003; EVS-EN 13370:2003

**prEN 50132-5-1**

Identne prEN 50132-5-1:2010

Tähtaeg 30.12.2010

**Alarm systems - CCTV surveillance systems for use in security applications - Part 5-1: Video transmission - General video transmission performance requirements**

This European Standard EN 50132-5-1 shall introduce general requirements on video transmission. With prEN 50132-5-3 a detailed specification on analog video transmission over different media including signal and performance requirements is already defined. For the growing number of surveillance applications based on IP video transmission the requirements are defined in 2 standards: This standard prEN 50132-5-1 covers in the following chapters the general requirements for video transmissions on performance, security and conformance to basic IP connectivity, based on available, well-known, international standards. In areas where more detailed IP requirements are necessary additional specifications are given, in order to reach compatibility. In this standard no detailed and special CCTV protocols are defined. In part -2 of this standard, prEN 50132-5-2, a detailed video IP protocol, messages and commands on top of the general connectivity and performance requirements of part -1 are defined. Part -2 defines an IP protocol for full interoperability (e.g. PTZ control, eventing, etc.) of video transmission devices used in surveillance applications.

Keel en

Asendab EVS-EN 50132-5:2002

**prEN 50132-5-2**

Identne prEN 50132-5-2:2010

Tähtaeg 30.12.2010

**Alarm systems - CCTV surveillance systems for use in security applications - Part 5-2: IP Video Transmission Protocols**

This standard EN 50132-5-2 shall introduce an IP network interface for devices in surveillance applications. In this part of the standard a network protocol is specified for the full interoperability of video devices. prEN 50132-5-1 specifies the minimum network performance standards and general compliance to existing, well-known international network standards. On top of these basic layers protocols are defined to accomplish the full interoperability of video devices. In surveillance applications IP video devices have to use standardized protocols to accomplish following functionality: video streaming, stream control, event handling, discovery, capability description, device management, PTZ control, auxiliaries and other functions.

Keel en

Asendab EVS-EN 50132-5:2002

## prEN ISO 14915-2

Identne EN ISO 14915-2:2003

ja identne ISO 14915-2:2003

Tähtaeg 30.12.2010

### **Software ergonomics for multimedia user interfaces - Part 2: Multimedia navigation and control (ISO 14915-2:2003)**

This part of ISO 14915 provides recommendations and requirements for the design of multimedia user interfaces with respect to the following aspects: design of the organization of the content, navigation and media-control issues. This part of ISO 14915 is limited to the design of the organization of the content and does not deal with the design of the content in general. Design issues within a single medium (e.g. the lighting of a film sequence) are only addressed with respect to the ergonomic issues related to user controls. This part of ISO 14915 provides a framework for the structuring of multimedia applications, information and recommendations on the design of navigation structures and navigation mechanisms for use within multimedia applications, and information and recommendations on the design of controls for use within multimedia applications. It does not specifically address entertainment applications, although some recommendations can also be applicable to that domain. ISO 14915 does not address implementation issues. The ergonomic requirements can be realised through very different mechanisms, e.g. the delivery system, a scripting language or the application.

Keel en

## prEN ISO 17287

Identne EN ISO 17287:2003

ja identne ISO 17287:2003

Tähtaeg 30.12.2010

### **Road vehicles - Ergonomic aspects of transport information and control systems - Procedure for assessing suitability for use while driving (ISO 17287:2003)**

This International Standard specifies a procedure for assessing whether specific TICS (transport information and control systems), or a combination of TICS with other in-vehicle systems, are suitable for use by drivers while driving. It addresses user-oriented TICS description and context of use, TICS task description and analysis, the assessment process, and documentation. The TICS description and context of use includes consideration of improper use, reasonably foreseeable misuse and TICS failure. The TICS description, analysis and assessment include a process for identifying and addressing suitability issues. This International Standard does not recommend specific variables for assessing suitability nor does it define criteria for establishing the suitability of use of a TICS table while driving.

Keel en

## prEVS 812-8

ja identne EVS 812-7:2007

Tähtaeg 30.12.2010

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

Standard käsitleb kõrghoonete tuleohutust, välja arvatud aatriumruumidega hooned

Keel et

## 17 METROLOOGIA JA MÕÕTMINE. FÜSIKALISED NÄHTUSED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 60666:2010**

Hind 209,00

Identne EN 60666:2010

ja identne IEC 60666:2010

#### **Detection and determination of specified additives in mineral insulating oils**

The methods described in this International Standard concern the detection and determination of specified additives in unused and used mineral insulating oils. The detection methods may be applied to assess whether or not a mineral insulating oil contains an additive as specified by the supplier. The determination methods are used for the quantitative determination of additives known to be present or previously detected by the appropriate detection method.

Keel en

Asendab EVS-HD 415 S1:2003

#### **EVS-EN 62479:2010**

Hind 155,00

Identne EN 62479:2010

ja identne IEC 62479:2010

#### **Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)**

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields (EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment.

Keel en

Asendab EVS-EN 50371:2002

#### **EVS-EN ISO 10360-5:2010**

Hind 209,00

Identne EN ISO 10360-5:2010

ja identne ISO 10360-5:2010

#### **Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 5: CMMs using single and multiple stylus contacting probing systems**

This part of ISO 10360 specifies acceptance and periodic reverification tests of CMM performance with contacting probing systems and is only applicable to CMMs using - any type of contacting probing system, - a discrete point probing mode, and - spherical or hemispherical stylus tip(s). It complements ISO 10360-7, which is the module for CMMs with video probing systems, and ISO 10360-2, which is universal, i.e. not probe-type specific.

Keel en

Asendab EVS-EN ISO 10360-5:2001

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **CEN/TS 1071-9:2004**

Identne CEN/TS 1071-9:2004

#### **Advanced technical ceramics – Methods of test for ceramic coatings – Part 9: Determination of fracture strain**

This part of EN 1071 describes a method of measuring the fracture strain of ceramic coatings by means of uniaxial tension or compression tests coupled with acoustic emission to monitor the onset of cracking of the coating. Tensile or compressive strains can also be applied by flexure using four-point bending. Measurements can be made in favourable cases at elevated temperatures as well as at room temperature.

Keel en

Asendatud EVS-EN 1071-9:2009

### **EVS-EN ISO 10360-5:2001**

Identne EN ISO 10360-5:2000

ja identne ISO 10360-5:2000

#### **Geometrical Product Specifications (GPS) - Acceptance and reverification tests for coordinate measuring machines (CMM) - Part 5: CMMs using multiple-stylus probing systems**

This part of EN ISO 10360 specifies acceptance and periodic reverification tests of the performance of CMMs having multiple-stylus probing systems, including systems with fixed multiple-styli attached to a single probe (e.g. ``star`` stylus), multiple-probing systems such as those with stylus for each of their probes, and systems with articulating probing.

Keel en

Asendatud EVS-EN ISO 10360-5:2010

### **EVS-ISO 6395:2005**

ja identne ISO 6395:1988+A1:1996

#### **Akustika. Mullatöömasinate välismüra mõõtmine. Dünaamilise katse tingimused**

Käesolev rahvusvaheline standard kirjeldab mullatöömasinate poolt keskkonda levitatud (emiteeritud) müra määramise meetodit A-korrigeeritud helitugevuse tasemenä, kui masin töötab dünaamilise katse tingimustes.

Keel et

## KAVANDITE ARVAMUSKÜSITLUS

### **FprEN 60440**

Identne FprEN 60440:2010

ja identne IEC 60440:201X

Tähtaeg 30.12.2010

#### **Method of measurement of non-linearity in resistors**

Non-linearity testing is a method for evaluation of the integrity of a resistive element. It may be applied as an effective inline screening method suitable to detect and eliminate potential infant mortality failures in passive components. The method is fairly rapid, convenient, and the associated equipment is relatively inexpensive. Typical effects causing non-linearity on resistors are e.g. inhomogeneous spots within a resistive film, traces of film left in the spiraling grooves, or contact instability between connecting lead or termination and the resistive element. This international standard specifies a method of measurement and associated test conditions for determining the magnitude of non-linear distortion generated in a resistor. This method shall be applied if prescribed by a relevant component specification, or if agreed between a customer and a manufacturer.

Keel en

### **FprEN 61869-2**

Identne FprEN 61869-2:2010

ja identne IEC 61869-2:201X

Tähtaeg 30.12.2010

#### **Mõõtetrafod. Osa 2: Voolutrafod**

This International Standard is applicable to newly manufactured magnetic current transformers for use with electrical measuring instruments or/and electrical protective devices having rated frequencies from 15 Hz to 100 Hz

Keel en

Asendab prEVS-EN 60044-1:2002+A2:2003

### **FprEN ISO 3381**

Identne FprEN ISO 3381:2010

ja identne ISO 3381:2005

Tähtaeg 30.12.2010

#### **Raudteelased rakendused. Akustika.**

##### **Raudteeveeremi sisemüra mõõtmine**

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

Keel en

Asendab EVS-EN ISO 3381:2007

## **FprEN ISO 4787**

Identne FprEN ISO 4787:2010

ja identne ISO 4787:2010

Tähtaeg 30.12.2010

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

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

Keel en

Asendab EVS-EN ISO 4787:2010

## **19 KATSETAMINE**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 13477-2:2010**

Hind 198,00

Identne EN 13477-2:2010

#### **Non-destructive testing - Acoustic emission - Equipment characterisation - Part 2: Verification of operating characteristic**

This part of the standard specifies methods for routine verification of the performance of AE equipment comprising one or more sensing channels. It is intended for use by operators of the equipment under laboratory conditions. Verification of the measurement characteristics is recommended after purchase of equipment, modifications, use under extraordinary conditions, or if one suspects a malfunction. The procedures described in this European Standard do not exclude other qualified methods, e.g. verification in the frequency domain.

Keel en

Asendab EVS-EN 13477-2:2010

#### **EVS-EN 61207-1:2010**

Hind 219,00

Identne EN 61207-1:2010

ja identne IEC 61207-1:2010

#### **Expression of performance of gas analyzers; part 1: general**

This part of IEC 61207 is applicable to gas analyzers used for the determination of certain constituents in gaseous mixtures. This part of IEC 61207 specifies the terminology, definitions, requirements for statements by manufacturers and tests that are common to all gas analyzers. Other international standards in this series, for example IEC 61207-2, describe those aspects that are specific to certain types (utilizing high-temperature electrochemical sensors). This part IEC 61207 is in accordance with the general principles set out in IEC 60359 and IEC 60770. This standard is applicable to analyzers specified for permanent installation in any location (indoors or outdoors) and to such analyzers utilizing either a sample handling system or an in situ measurement technique. This standard is applicable to the complete analyzer when supplied by one manufacturer as an integral unit, comprised of all mechanical, electrical and electronic portions. It also applies to sensor units alone and electronic units alone when supplied separately or by different manufacturers. For the purposes of this standard, any regulator for mains-supplied power or any non-mains power supply, provided with the analyzer or specified by the manufacturer, is considered part of the analyzer whether it is integral with the analyzer or housed separately. Safety requirements are dealt with in IEC 61010-1. If one or more components in the sample is flammable, and air or another gas mixture containing oxygen or other oxidizing component is present, then the concentration range of the reactive components are limited to levels which are not within flammability limits. Standard range of analogue d.c. current and pneumatic signals used in process control systems are dealt with in IEC 60381-1 and IEC 60382. Specifications for values for the testing of influence quantities can be found in IEC 60654. Requirements for documentation to be supplied with instruments are dealt with in IEC 61187. Requirements for general principles concerning quantities, units and symbols are dealt with in ISO 1000. See also ISO 31-0. This part of IEC 61207 does not apply to: - accessories such as recorders, analogue-to-digital converters or data acquisition systems used in conjunction with the analyzer, except that when two or more such analyzers are combined and sold as a subsystem and a single electronic unit is supplied to provide continuous measurement of several properties, that read-out unit is considered to be part of the analyzer. Similarly, e.m.f-to-current or e.m.f-to-pressure converters which are an integral part of the analyzer are included.

Keel en

Asendab EVS-EN 61207-1:2010

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 13477-2:2001**

Identne EN 13477-2:2001

#### **Non-destructive testing - Acoustic emission - Equipment characterisation - Part 2: Verification of operating characteristic**

This part of the standard specifies methods for routine verification of the performance of an AE equipment comprising one or more sensing channels. It is intended for use by operators of the equipment. Verification of the measurement characteristics is recommended after purchase of equipment, modifications or use under extraordinary conditions.

Keel en

Asendatud EVS-EN 13477-2:2010

### **EVS-EN 61207-1:2002**

Identne EN 61207-1:1994

ja identne IEC 61207-1:1994

#### **Expression of performance of gas analyzers; part 1: general**

Applies to gas analyzers used for the determination of certain constituents in gaseous mixtures. Specifies general aspects of terminology and definitions related to the performance. Unifies methods for making and verifying statements on functional performance. Specifies tests to determine functional performance.

Keel en

Asendatud EVS-EN 61207-1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 62551**

Identne FprEN 62551:2010

ja identne IEC 62551:201X

Tähtaeg 30.12.2010

#### **Analysis techniques for dependability - Petri net techniques**

This International Standard provides guidance on a Petri net based methodology for dependability purposes. It supports modeling a system, analyzing the model, and presenting the analysis results. This methodology is oriented to dependability related measures with all the related features, such as reliability, availability, production availability, maintainability and safety (e.g. Safety Integrity Level [6] related measures). Thus, this International Standard deals with the following topics in relation to Petri nets: a) defining the essential terms and symbols and describing their usage and methods of graphical representation; b) outlining the terminology and its relation to dependability; c) presenting a step-by-step approach for 1. dependability modeling with Petri nets, 2. guiding the usage of Petri net based techniques for qualitative and quantitative dependability analyses, 3. representing and interpreting the analysis results. d) outlining the relationship of Petri nets to other modeling techniques; e) providing practical examples. This International Standard does not give guidance on how to solve mathematical problems that arise when analyzing a PN. This International Standard is applicable to all industries where qualitative and quantitative dependability analyses have to be performed.

Keel en

### **prEVS-IEC 60605-6**

ja identne IEC 60605-6:2007

Tähtaeg 30.12.2010

#### **Seadmete töökindluse katsetamine. Osa 6: Tõrkevoog ja tõrkesageduse püsivuse hindamine ja õigsuse katsetamine**

Käesolev standard sätestab IEC 60050-191 kohaselt defineeritud tõrkevoog või tõrkesageduse eeldatava püsivuse kontrolli ja tõrkevoog või -sageduse tunnussuuruste määramise protseduuri. Neid protseduure saab rakendada alati, kui selliseid eeldusi on vaja kontrollida. See võib olla vajalik tõrkevoog või tõrkesageduse võimaliku ajalise muutumise kindlakstegemise nõude või tarbe korral.

Käesolevas standardis sätestatud meetodid võimaldavad – katsetada, kas aeg rikke tekkeni on remontimata näidise korral eksponentsiaalselt jaotatud, s.t kas rikkevoog on püsiv;

– katsetada, kas remonditud näidise riketevaheline aeg on ajaliselt mingis suunas muutuv, s.t kas rikkesagedus ei näita suundumust suurenemisele või vähenemisele; – koostada tunnusjooni, mis võimaldavad rikkevoog või rikkesageduse tunnussuurusi piltlikult esitada ning veenduda, kas neid saab lugeda püsivateks, et hinnata nende väärtusi või kindlaks teha püsivuse võimaliku muutuse iseloomu.

Keel en

Asendab EVS-IEC 60605-6:2006

## **21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD**

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN ISO 4014**

Identne FprEN ISO 4014 rev:2010

ja identne ISO/FDIS 4014:2010

Tähtaeg 30.12.2010

#### **Kuuskantpeapoldid. Tooteklassid A ja B**

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

Keel en

Asendab EVS-EN ISO 4014:2001

#### **FprEN ISO 4016**

Identne FprEN ISO 4016:2010

ja identne ISO/FDIS 4016:2010

Tähtaeg 30.12.2010

#### **Kuuskantpeapoldid. Tooteklass C**

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

Keel en

Asendab EVS-EN ISO 4016:2001



**FprEN ISO 4017**

Identne FprEN ISO 4017:2010  
ja identne ISO/FDIS 4017:2010  
Tähtaeg 30.12.2010

**Kuuskantpeakruvid. Tooteklassid A ja B**

This International Standard specifies the characteristics of hexagon head screws with threads from M1,6 up to and including M64, of product grade A for threads M1,6 to M24 and nominal lengths up to and including 10d or 150 mm, whichever is the shorter, and product grade B for threads over M24 or nominal lengths over 10d or 150 mm, whichever is the shorter.

Keel en

Asendab EVS-EN ISO 4017:2001

**FprEN ISO 4018**

Identne FprEN ISO 4018:2010  
ja identne ISO/FDIS 4018:2010  
Tähtaeg 30.12.2010

**Kuuskantpeakruvid. Tooteklass C**

This International Standard specifies the characteristics of hexagon head screws with threads from M5 up to and including M64, of product grade C.

Keel en

Asendab EVS-EN ISO 4018:2001

**FprEN ISO 7048**

Identne FprEN ISO 7048:2010  
ja identne ISO/FDIS 7048:2010  
Tähtaeg 30.12.2010

**Ristsüvendiga silinderpeakruvid**

This International Standard specifies the characteristics of cross-recessed cheese head screws of product grade A, with threads from M2,5 to M8 inclusive, and with cross recesses of types H and Z.

Keel en

Asendab EVS-EN ISO 7048:1999

**FprEN ISO 8676**

Identne FprEN ISO 8676:2010  
ja identne ISO/FDIS 8676:2010  
Tähtaeg 30.12.2010

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

This International Standard specifies the characteristics of hexagon head screws with metric fine pitch thread with nominal thread diameters, d, from 8 mm to 64 mm of product grade A for nominal thread diameters, d, from 8 mm to 24 mm and nominal lengths, l, up to and including 10d or 150 mm, whichever is the shorter, and of product grade B for nominal thread diameters, d, over 24 mm or nominal lengths, l, over 10d or 150 mm, whichever is the shorter. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 724, ISO 888, ISO 898-1, ISO 965-1, ISO 3506-1, ISO 4753 and ISO 4759-1. It is intended that coarse thread screws according to ISO 4017 be the first choice.

Keel en

Asendab EVS-EN ISO 8676:2001

**FprEN ISO 8765**

Identne FprEN ISO 8765:2010  
ja identne ISO/FDIS 8765:2010  
Tähtaeg 30.12.2010

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

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

Keel en

Asendab EVS-EN ISO 8765:2001

**FprEN ISO 14579**

Identne FprEN ISO 14579:2010  
ja identne ISO/FDIS 14579:2010  
Tähtaeg 30.12.2010

**Hexalobular socket head cap screws**

This International Standard specifies the characteristics of hexalobular socket head cap screws, with thread sizes from M2 up to and including M20, of product grade A. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 261, ISO 888, ISO 898-1, ISO 965-2, ISO 965-3, ISO 3506-1 and ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14579:2002

**FprEN ISO 14580**

Identne FprEN ISO 14580:2010  
ja identne ISO/FDIS 14580:2010  
Tähtaeg 30.12.2010

**Hexalobular socket cheese head screws**

This International Standard specifies the characteristics of hexalobular socket cheese head screws of product grade A and with thread sizes from M2 up to and including M10. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 261, ISO 888, ISO 898-1, ISO 965-2, ISO 3506-1 and ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14580:2002

### **FprEN ISO 14583**

Identne FprEN ISO 14583:2010  
ja identne ISO/FDIS 14583:2010  
Tähtaeg 30.12.2010

#### **Hexalobular socket pan head screws**

This International Standard specifies the characteristics of hexalobular socket pan head screws of product grade A and with thread sizes from M2 up to and including M10. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 261, ISO 888, ISO 898-1, ISO 965-2, ISO 3506-1 and ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14583:2002

### **FprEN ISO 14584**

Identne FprEN ISO 14584:2010  
ja identne ISO/FDIS 14584:2010  
Tähtaeg 30.12.2010

#### **Hexalobular socket raised countersunk head screws**

This International Standard specifies the characteristics of hexalobular socket raised countersunk head screws of product grade A, and with thread sizes from M2 up to and including M10. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 261, ISO 888, ISO 898-1, ISO 965-2, ISO 3506-1 and ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14584:2002

### **prEVS-IEC 60605-6**

ja identne IEC 60605-6:2007  
Tähtaeg 30.12.2010

#### **Seadmete töökindluse katsetamine. Osa 6: Törkevoo ja törkesageduse püsivuse hindamine ja õigsuse katsetamine**

Käesolev standard sätestab IEC 60050-191 kohaselt defineeritud törkevoo või törkesageduse eeldatava püsivuse kontrolli ja törkevoo või -sageduse tunnussuuruste määramise protseduuri. Neid protseduure saab rakendada alati, kui selliseid eeldusi on vaja kontrollida. See võib olla vajalik törkevoo või törkesageduse võimaliku ajalise muutumise kindlakstegemise nõude või tarbe korral.

Käesolevas standardis sätestatud meetodid võimaldavad

- katsetada, kas aeg rikke tekkeni on remontimata näidise korral eksponentsiaalselt jaotatud, s.t kas rikkevoog on püsiv;
- katsetada, kas remonditud näidise riketevaheline aeg on ajaliselt mingis suunas muutuv, s.t kas rikkesagedus ei näita suundumust suurenemisele või vähenemisele;
- koostada tunnusjooni, mis võimaldavad rikkevoo või rikkesageduse tunnussuurusi piltlikult esitada ning veenduda, kas neid saab lugeda püsivateks, et hinnata nende väärtusi või kindlaks teha püsivuse võimaliku muutuse iseloomu.

Keel en

Asendab EVS-IEC 60605-6:2006

## **23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 545:2010**

Hind 315,00

Identne EN 545:2010

#### **Kõrgtugevast malmist torud, toruarmatuur, lisaseadmed ja nende liitmikud veetorustikele.**

#### **Nõuded ja katsemeetodid**

This European Standard specifies the requirements and associated test methods applicable to ductile iron pipes, fittings, accessories and their joints for the construction of pipelines outside buildings: - to convey different types of water (e.g. raw water, treated water, re-used water) for all types of applications (e.g. water intended for human consumption, for fire protection, for snow making, for irrigation, for hydro-electricity etc.); - with or without pressure; - to be installed below or above ground. This European Standard is applicable to pipes, fittings and accessories which are: - manufactured with socketed, flanged or spigot ends; - supplied externally and internally coated; - suitable for fluid temperatures between 0 °C and 50 °C, excluding frost; - not intended for use in areas subject to reaction to fire regulations. This does not preclude special arrangements for the products to be used at higher temperatures. This European Standard covers pipes and fittings cast by any type of foundry process or manufactured by fabrication of cast components, as well as corresponding joints and accessories, in a size range extending from DN 40 to DN 2 000, inclusive. This European Standard specifies requirements for materials, dimensions and tolerances, mechanical properties and standard coatings of ductile iron pipes and fittings. It also gives performance requirements for all components including joints. Joint design and gasket shapes are outside the scope of this standard. In addition, reference is made to the minimum performance requirements of couplings, flange adaptors and saddles manufactured for use with ductile iron pipes and fittings.

Keel en

Asendab EVS-EN 545:2006

**EVS-EN 1012-1:2010**

Hind 219,00

Identne EN 1012-1:2010

**Kompressorid ja vaakumpumbad. Ohutusnõuded.****Osa 1: Kompressorid**

This part of EN 1012 is applicable to compressors and compressor units having an operating pressure greater than 0,5 bar and designed to compress air, nitrogen or inert gases. This document deals with all significant hazards, hazardous situations and events relevant to the design, installation, operation, maintenance, dismantling and disposal of compressors and compressor units, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This part of EN 1012 includes under the general term compressor units those machines which comprise: - the compressor; - a drive system; - any component or device which is necessary for operation. This part also covers the general requirements relating to process gas compressors; for specific requirements see prEN 1012-3 which applies. This part covers compressors driven by any power media, including battery powered and which are fitted in or used with motor vehicles. This part of EN 1012 does not cover requirements for compressors used in potentially explosive atmospheres. This part of EN 1012 is not applicable to compressors which are manufactured before the date of publication of this document by CEN.

Keel en

Asendab EVS-EN 1012-1:1999

**EVS-EN 1555-1:2010**

Hind 135,00

Identne EN 1555-1:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General**

This part of EN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 2 to 5 of EN 1555 it is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-1:2003

**EVS-EN 1555-2:2010**

Hind 166,00

Identne EN 1555-2:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes**

This part of EN 1555 specifies the characteristics of pipes made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 1 and 3 to 5 of EN 1555, it is applicable to PE pipes, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-2:2003

**EVS-EN 1555-3:2010**

Hind 188,00

Identne EN 1555-3:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of EN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 1, 2, 4 and 5 of EN 1555, it is applicable to PE fittings, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-3:2003; EVS-EN 1555-3:2003/A1:2005

**EVS-EN 1555-5:2010**

Hind 135,00

Identne EN 1555-5:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This part of EN 1555 specifies requirements of fitness for purpose of the polyethylene (PE) piping system in the field of the supply of gaseous fuels. It specifies the definitions of electrofusion, butt fusion and mechanical joints. It specifies the method of preparation of test piece joints, and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions. It specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 1 to 4 of EN 1555, it is applicable to PE pipes, fittings, valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-5:2003

**EVS-EN 1591-1:2001+A1:2009/AC:2010**

Hind 0,00

Identne EN 1591-1:2001+A1:2009/AC:2010

**Äärikud ja nende ühendused . Tihendusnõoriga ümaräärikute ühenduste kavandamine . Osa 1: Arvutusmeetod**

Keel en

## **EVS-EN ISO 8029:2010**

Hind 135,00

Identne EN ISO 8029:2010

ja identne ISO 8029:2007

### **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

## **EVS-EN ISO 19879:2010**

Hind 178,00

Identne EN ISO 19879:2010

ja identne ISO 19879:2010

### **Metallic tube connections for fluid power and general use - Test methods for hydraulic fluid power connections**

This International Standard specifies uniform methods for the testing and performance evaluation of metallic tube connections, stud ends for ports and flange connections for use in hydraulic fluid power applications. This International Standard does not apply to the testing of hydraulic quick-action couplings, which is covered by ISO 7241-2. Tests outlined in this International Standard are independent of each other and document the method to follow for each test. See the appropriate component International Standard for which tests to conduct and for performance criteria. For qualification of the connector, the minimum number of samples specified in this International Standard is tested, unless otherwise specified in the relevant connector standard or as agreed upon by the manufacturer and the user.

Keel en

Asendab EVS-EN ISO 19879:2006; EVS-EN ISO 19879:2006/AC:2009

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 545:2006**

Identne EN 545:2006

#### **Ductile iron pipes, fittings, accessories and their joints for water pipelines - Requirements and test methods**

This European Standard specifies the requirements and associated test methods applicable to ductile iron pipes, fittings, accessories and their joints for the construction of pipelines: - to convey water (e. g. potable water); - with or without pressure; - to be installed below or above ground.

Keel en

Asendab EVS-EN 545:2002

Asendatud EVS-EN 545:2010

## **EVS-EN 1012-1:1999**

Identne EN 1012-1:1996

### **Kompressorid ja vaakumpumbad. Ohutusnõuded.**

#### **Osa 1: Kompressorid**

Käesolev standard on kohaldatav iga tüüpi kompressoritele. Standard esitab nimekirja olulistest kompressoritega seotud ohtudest ning määrab kindlaks kompressorite konstruktsioonile, paigaldusele, töötamisele, korrashoiule ja lahtivõtmisele rakendatavad ohutusnõuded nende ettenähtud töötamisajal ning hilisema utiliseerimise ajal.

Keel en

Asendatud EVS-EN 1012-1:2010

### **EVS-EN 1555-2:2003**

Identne EN 1555-2:2002

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes**

This part of prEN 1555 specifies the characteristics of pipes made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-2:2010

### **EVS-EN 1555-3:2003**

Identne EN 1555-3:2002

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of prEN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings made from PE and other materials for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-3:2010

### **EVS-EN 1555-5:2003**

Identne EN 1555-5:2002

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This part of prEN 1555 specifies requirements of fitness for purpose of the polyethylene (PE) piping system in the field of the supply of gaseous fuels. It specifies the definitions of electrofusion, butt fusion and mechanical joints

Keel en

Asendatud EVS-EN 1555-5:2010

### **EVS-EN 1555-3:2003/A1:2005**

Identne EN 1555-3:2002/A1:2005

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of prEN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings made from PE and other materials for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-3:2010

**EVS-EN 1555-1:2003**

Identne EN 1555-1:2002

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General**

This part of prEN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-1:2010

**EVS-EN 28029:1999**

Identne EN 28029:1993

ja identne ISO 8029:1985

**Plastvoolikud. Üldkasutatavad kokkupandavad tekstiilsarrusega veevoolikud. Tehnilised nõuded**

Standard määrab kindlaks nõuded kuni 55 °C juures üldiseks kasutamiseks ettenähtud kaht tüüpi üldkasutatavate kokkupandavate tekstiilsarrusega veevoolikute suhtes.

Keel en

Asendatud EVS-EN ISO 8029:2010

**EVS-EN ISO 19879:2006**

Identne EN ISO 19879:2005

ja identne ISO 19879:2005

**Metallic tube connections for fluid power and general use - Test methods for hydraulic fluid power connections**

This International Standard specifies uniform methods for the testing and performance evaluation of metallic tube connections, stud ends for ports and flange connections for use in hydraulic fluid power applications. This International Standard does not apply to the testing of hydraulic quick-action couplings, which is covered by ISO 7241-2.

Keel en

Asendatud EVS-EN ISO 19879:2010

**EVS-EN ISO 19879:2006/AC:2009**

Identne EN ISO 19879:2005/AC:2009

ja identne ISO 19879:2005/Cor.1:2007

**Metallic tube connections for fluid power and general use - Test methods for hydraulic fluid power connections**

Keel en

Asendatud EVS-EN ISO 19879:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN ISO 3994**

Identne FprEN ISO 3994:2010

ja identne ISO 3994:2007

Tähtaeg 30.12.2010

**Plastics hoses - Helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of aqueous materials - Specification**

This International Standard specifies the requirements for three types of helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of water, weak aqueous chemical solutions and abrasive solids and slurries, for use in the ambient temperature range from - 10 °C to + 55 °C. The three types of hose are for light-, medium- and heavy-duty applications. The types of hoses covered in this International Standard are not intended for use with flammable or combustible materials, nor with aromatic solvents.

Keel en

Asendab EVS-EN ISO 3994:2000

**FprEN ISO 8331**

Identne FprEN ISO 8331:2010

ja identne ISO 8331:2007

Tähtaeg 30.12.2010

**Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance**

This International Standard sets out recommendations designed to maintain rubber and plastics hoses and hose assemblies, prior to use, in a condition as close as possible to the condition they were in when they were received and to obtain the expected service life.

Keel en

**FprEN ISO 11296-1**

Identne FprEN ISO 11296-1:2010

ja identne ISO 11296-1:2009

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General**

This part of ISO 11296 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground non-pressure drainage and sewerage networks, which are operated as gravity systems and subjected to a maximum surcharge pressure of 0,5 bar1). It is applicable to pipes and fittings as manufactured, as well as to the installed plastics lining system; it is not applicable to the existing pipeline or any annular filler. This part of ISO 11296 establishes the general requirements common to all relevant renovation techniques (see 3.1.2).

Keel en

**FprEN ISO 11296-3**

Identne FprEN ISO 11296-3:2010

ja identne ISO 11296-3:2009

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes**

This part of ISO 11296, in conjunction with ISO 11296-1, specifies requirements and test methods for close-fit lining systems intended to be used for the renovation of non-pressure drainage and sewerage networks. It applies to pipes and fittings made of polyethylene (PE) or unplasticized poly(vinyl chloride) (PVC-U). It is applicable to the plastic lining system only. It is not applicable to the requirements for the existing pipeline.

Keel en

**FprEN ISO 11296-4**

Identne FprEN ISO 11296-4:2010

ja identne ISO 11296-4:2009

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes**

This part of ISO 11296, in conjunction with ISO 11296-1, specifies requirements and test methods for cured-in-place pipes and fittings used for the renovation of underground non-pressure drainage and sewerage networks. It applies to the use of various thermosetting resin systems, in combination with compatible fibrous carrier materials and other process-related plastics components (see 5.1).

Keel en

**FprEN ISO 11298-1**

Identne FprEN ISO 11298-1:2010

ja identne ISO 11298-1:2010

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground water supply networks - Part 1: General**

This part of ISO 11298 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground water supply networks, which transport water intended for human consumption, including raw water intake pipelines. It is applicable to pipes and fittings, as manufactured, as well as to the installed lining system. It is not applicable to cover sprayed coatings, the existing pipeline or any annular filler. This part of ISO 11298 gives the general requirements common to all relevant renovation techniques.

Keel en

**FprEN ISO 11298-3**

Identne FprEN ISO 11298-3:2010

ja identne ISO 11298-3:2010

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground water supply networks - Part 3: Lining with close-fit pipes**

This part of ISO 11298, in conjunction with ISO 11298-1, specifies requirements and test methods for close-fit lining systems intended to be used for the renovation of water supply networks, which transport water intended for human consumption, including raw water intake pipelines. It is applicable to polyethylene (PE) pipe for both independent and interactive pressure pipe liners as well as associated fittings and joints for the construction of the lining system.

Keel en

**FprEN ISO 22434**

Identne FprEN ISO 22434:2010

ja identne ISO 22434:2006

Tähtaeg 30.12.2010

**Transportable gas cylinders - Inspection and maintenance of cylinder valves**

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

Keel en

**prEN 10255**

Identne prEN 10255:2010

Tähtaeg 30.12.2010

**Keevitamiseks ja keermestamiseks sobivad süsinikterasest torud. Tehnilised tarnetingimused**

This document specifies the requirements for circular non-alloy steel tubes suitable for welding and threading and provides a number of options for the finish of tube ends and coatings. This document covers two grades of steel tubes of specified outside diameter 10,2 mm to 323,9 mm (thread size 1/8 to 12) in two series, medium and heavy, and three types of designated thicknesses.

Keel en

Asendab EVS-EN 10255:2004+A1:2007

**prEN 13575**

Identne prEN 13575:2010

Tähtaeg 30.12.2010

**Static thermoplastic tanks for the above ground storage of chemicals - Blow moulded or rotationally moulded polyethylene tanks - Requirements and test methods**

This document specifies requirements for materials, physical properties and performance for blow moulded and rotationally moulded polyethylene single tanks, with or without reinforcement, for the above ground storage of chemical liquids except water and those liquids dealt with by EN 13341. It is only applicable to static blow moulded or rotationally moulded polyethylene tanks, which are subjected to atmospheric pressures, and having a volume of 400 l to 10 000 l. Except for periodic temperature fluctuation their normal operating temperature does not exceed 25 °C. Tanks according to this standard are expected to have a period of intended use of 10 years. This document specifies test methods and factory production control tests as well. This document does not consider the consequences of wind and snow loading, which is considered to be an installation issue.

Keel en

Asendab EVS-EN 13575:2004

**prEN 14420-1**

Identne prEN 14420-1:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 1: Requirements, survey, designation and testing**

This European Standard specifies requirements for hose fittings with clamp units for hoses made of rubber/plastics or thermoplastics preferably for use with flammable and non-flammable products. It contains requirements for hose fittings to ensure that, when used appropriately, the user or third persons are not exposed to hazards from fire, explosions or acid burns, for example from mineral oils or chemicals, and that the environment is protected from pollution and other detriments. The use of non-asbestos materials for gaskets in hose fittings is recommended in this series of standards. For maximum working pressure (WP) and temperature see 4.3. WARNING - Before decoupling of the quick coupling connections according to Parts 6, 7 and 8, the assembly should be pressureless.

Keel en

Asendab EVS-EN 14420-1:2005+A1:2007

**prEN 14420-2**

Identne prEN 14420-2:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 2: Hose side parts of hose tail**

This document specifies requirements for the hose tail of hose fittings according to EN 14420-1 for use with clamp units according to EN 14420-3. Maximum working pressure 25 bar, maximum working temperature 65 °C.

Keel en

Asendab EVS-EN 14420-2:2005

**prEN 14420-3**

Identne prEN 14420-3:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 3: Clamp units, bolted or pinned**

This document specifies requirements for clamp units for hose couplings according to EN 14420-1 for use with hose tails according to EN 14420-2. Maximum working pressure 25 bar, maximum working temperature 65 °C.

Keel en

Asendab EVS-EN 14420-3:2005

**prEN 14420-4**

Identne prEN 14420-4:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 4: Flange connections**

This document specifies requirements for hose tails according to EN 14420-2 with flanges of mating dimensions PN 10/PN 16/PN 25/PN 40 (according to nominal size and pressure stage) according to EN 1092-1, on hose fittings with clamp units according to EN 14420-3. Maximum working pressure 25 bar, maximum working temperature 65 °C. Additionally flanges are also usable according to EN 14422.

Keel en

Asendab EVS-EN 14420-4:2005+A1:2007

**prEN 14420-5**

Identne prEN 14420-5:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 5: Threaded connections**

This document specifies requirements for hose fittings with clamp units according to EN 14420-1 with union nut and pipe thread according to EN ISO 228-1 as well as for hose tails according to EN 14420-2 with male pipe thread according to EN ISO 228-1. Maximum working pressure 25 bar, maximum working temperature 65 °C.

Keel en

Asendab EVS-EN 14420-5:2005

**prEN 14420-6**

Identne prEN 14420-6:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 6: TW tank truck couplings**

This document specifies the design, materials and dimensions for hose fittings with couplings for tank trucks (TW couplings). Couplings for tank trucks in accordance to this document are intended to link hoses with connections for the transport of liquids, solid matters and gases with the exception of liquid gas and steam. They can be employed in a working pressure range of 0,8 bar up to 16 bar at working temperatures of -20 C up to +65°C. Couplings for tank trucks for other operating conditions are subject to agreement. WARNING - Male and female dust couplings are pressure resistant plugs. They do not work as lock-ing device, so, if pipelines remain under pressure, a locking device should be superposed.

Keel en

Asendab EVS-EN 14420-6:2005+A1:2007

**prEN 14420-7**

Identne prEN 14420-7:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 7: Cam locking couplings**

This European Standard details the design, materials and dimensions for cam locking couplings that serve as the link between hoses and connections to transport liquids, solids and gases, except liquid gas and steam. The couplings are capable of operating the pressure range -0,8 bar to 16 bar working pressure in a working temperature range of - 20 °C up to + 65 °C. When using aluminium-cast-materials (see clause 8.2) the maximum allowable working pressure is limited to 10 bar.

Keel en

Asendab EVS-EN 14420-7:2005+A1:2007

**prEN 14420-8**

Identne prEN 14420-8:2010

Tähtaeg 30.12.2010

**Hose fittings with clamp units - Part 8: Symmetrical half coupling (Guillemin system)**

This European Standard applies to hose fittings with symmetrical half couplings (Guillemin system), with mobile locking ring, for hose assemblies with a maximum working pressure of up to 10 bar, with hose tails according to EN 14420-2 and clamp units according to EN 14420-3. Couplings in accordance with this document serve as link between hoses and connections to transport liquids, solids (e.g. powders, granules) except steam and liquid gas. It specifies dimensions, types of connections, quality of materials, marking requirements and testing requirements. The working temperature range is – 20 °C up to + 65 °C.

Keel en

Asendab EVS-EN 14420-8:2005+A1:2007

**prEN 14422**

Identne prEN 14422:2010

Tähtaeg 30.12.2010

**Clamp type coupling assemblies for LPG transfer hoses**

This document details a range of hose fittings which may be used with rubber/plastic hoses for the transfer of liquid natural gas LPG (liquid or vapour phase) and natural gas. The maximum working pressure is 25 bar. The working temperature range is –30 °C up to 70 °C and for LT-(Low temperature) usage it is –50 °C up to 70 °C. The nominal size for hose fittings with internal and external threads is from DN 15 to DN 75 and for hose fittings with flanges DN 15 to DN 200. In addition to the fittings described in this standard, threaded connections according to EN 14420-5 as well as hose fittings with screwed ferrules according to EN 14424 up to DN 25 for LPG could be used.

Keel en

Asendab EVS-EN 14422:2005

**prEN 14423**

Identne prEN 14423:2010

Tähtaeg 30.12.2010

**Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar**

This document specifies the design, materials and dimensions of fittings for clamp type coupling assemblies for use with nominal sizes DN 15 to DN 50 steam and hot water hoses. It covers assemblies up to a maximum working pressure of 18 bar (corresponding to a saturated steam temperature of 210 °C).

Keel en

Asendab EVS-EN 14423:2005

**prEN 14424**

Identne prEN 14424:2010

Tähtaeg 30.12.2010

**Hose fittings with screwed ferrules**

This document specifies the design, materials and dimensions of hose fittings with screwed ferrules for rubber and thermoplastics hoses for use with flammable and non-flammable liquids or gases, e.g. fuel dispensing hoses, liquid natural gas (LPG) hoses, tank truck hoses and hoses for liquid and chemical chemicals. The nominal sizes covered are DN 13 to DN 40. Up to DN 25, the maximum working pressure is 25 bar, for DN 32 and DN 40 the maximum working pressure is 16 bar. The working temperature range is –20 °C to +65 °C, for LPG-usage it is –30 °C to +70 °C up to DN 25 and for LT-(Low temperature) usage it is –50 °C to +70 °C.

Keel en

Asendab EVS-EN 14424:2005

**25 TOOTMISTEHNOLLOOGIA****UUED STANDARDID JA PUBLIKATSIOONID****CLC/TR 61158-1:2010**

Hind 271,00

Identne CLC/TR 61158-1:2010

ja identne IEC/TR 61158-1:2010

**Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series**

This technical report presents an overview and guidance for the IEC 61158 series by: - explaining the structure and content of the IEC 61158 series; - relating the structure of the IEC 61158 series to the ISO/IEC 7498 OSI Basic Reference Model; - showing the logical structure of the IEC 61784 series; - showing how to use parts of the IEC 61158 series in combination with the IEC 61784 series; - providing explanations of some aspects of the IEC 61158 series that are common to the parts of the IEC 61158-5 series.

Keel en

Asendab CLC/TR 61158-1:2008

**EVS-EN 10169:2010**

Hind 219,00

Identne EN 10169:2010

**Continuously organic coated (coil coated) steel flat products - Technical delivery conditions**

This European Standard specifies requirements for continuously organic coated (coil coated) steel flat products. It particularly specifies the performance requirements. The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip).

Keel en

Asendab EVS-EN 10169-3:2003; EVS-EN 10169-1:2004; EVS-EN 10169-2:2006



**EVS-EN 60546-2:2010**

Hind 114,00

Identne EN 60546-2:2010

ja identne IEC 60546-2:2010

**Controllers with analogue signals for use in industrial-process control systems; Part 2: Guidance for inspection and routine testing**

This International Standard applies to pneumatic and electrical industrial-process controllers using analogue signals which are in accordance with IEC 60381-1 and IEC 60381-2. The provisions of this standard are applicable in principle to controllers having different, but continuous signals. This standard is intended to provide technical guidance for inspection and routine testing of controllers, for instance, as acceptance tests or after repair. For a full evaluation, IEC 60546-1 should be used. Quantitative criteria for acceptable performance are established by agreement between manufacturer and user. The requirements of this standard are effective when agreed upon by the manufacturer and the user.

Keel en

Asendab EVS-EN 60546-2:2002

**EVS-EN 60546-1:2010**

Hind 219,00

Identne EN 60546-1:2010

ja identne IEC 60546-1:2010

**Controllers with analogue signals for use in industrial-process control systems - Part 1: Methods of evaluating the performance**

This International Standard applies to proportional-integral-derivative (PID) pneumatic and electric industrial-process controllers using analogue continuous input and output signals which are in accordance with current international standards. It should be noted that while the tests specified herein cover controllers having such signals, they can be applied in principle to controllers having different but continuous signals. It should be also noted that this standard has been written for pneumatic and electric industrial-process controllers with only analogue components and is not necessarily to be used for controllers with microprocessors. This standard is intended to specify uniform methods of test for evaluating the performance of industrial-process PID controllers with analogue input and output signals<sup>1)</sup>. The test conditions specified in this standard, for example the range of ambient temperatures, power supply, etc., are used when no other values are agreed upon by the manufacturer and the user. When a full evaluation in accordance with this standard is not required, those tests which are required shall be performed and the results reported in accordance with those parts of the standard which are relevant. The testing program should be subject to an agreement between manufacturer and user, depending on the nature and the extent of the equipment under consideration.

Keel en

Asendab EVS-EN 60546-1:2002

**EVS-EN 60745-1:2009/A11:2010**

Hind 68,00

Identne EN 60745-1:2009/A11:2010

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 1: Üldnõuded**

This part of IEC 60745 deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools.

Keel en

**EVS-EN 60745-2-5:2010**

Hind 256,00

Identne EN 60745-2-5:2010

ja identne IEC 60745-2-5:2010

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-5: Erinõuded ketassaagidele**

This standard applies to circular saws, which hereinafter will be referred to as saws. This standard does not apply to saws designed for use with abrasive wheels.

Keel en

Asendab EVS-EN 60745-2-5:2007; EVS-EN 60745-2-5:2007/A11:2010

**EVS-EN 60745-2-17:2010**

Hind 209,00

Identne EN 60745-2-17:2010

ja identne IEC 60745-2-17:2010

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-17: Erinõuded hõõvlitele ja lamineerimistrimmeritele**

This standard applies to routers and trimmers.

Keel en

Asendab EVS-EN 60745-2-17:2003; EVS-EN 60745-2-17:2003/A11:2007

**EVS-EN 60745-2-19:2009/A1:2010**

Hind 80,00

Identne EN 60745-2-19:2009/A1:2010

ja identne IEC 60745-2-19:2005/A1:2010

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-19: Erinõuded hõõvlitele**

This standard applies to jointers for cutting into wood or similar material.

Keel en

**EVS-EN 61158-2:2010**

Hind 559,00

Identne EN 61158-2:2010

ja identne IEC 61158-2:2010

**Industrial communication networks - Fieldbus specifications -- Part 2: Physical layer specification and service definition**

This part of IEC 61158 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC/TR 61158-1.

Keel en

Asendab EVS-EN 61158-2:2008

**EVS-EN 61512-4:2010**

Hind 271,00

Identne EN 61512-4:2010

ja identne IEC 61512-4:2009

**Batch control - Part 4: Batch production records**

This part of the IEC 61512 series defines a reference model for batch production records containing information about production of batches or elements of batch production. This standard is intended for batch processes.

Keel en

**EVS-EN 61784-3:2010**

Hind 271,00

Identne EN 61784-3:2010

ja identne IEC 61784-3:2010

**Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions**

This part of the IEC 61784-3 series explains some common principles than can be used in the transmission of safety-relevant messages among participants within a distributed network using fieldbus technology in accordance with the requirements of IEC 61508 series1 for functional safety. These principles can be used in various industrial applications such as process control, manufacturing automation and machinery. This part2 and the IEC 61784-3-x parts specify several functional safety communication profiles based on the communication profiles and protocol layers of the fieldbus technologies in IEC 61784-1, IEC 61784-2 and the IEC 61158 series.

Keel en

Asendab EVS-EN 61784-3:2008

**EVS-EN ISO 2128:2010**

Hind 80,00

Identne EN ISO 2128:2010

ja identne ISO 2128:2010

**Anodizing of aluminium and its alloys - Determination of thickness of anodic oxidation coatings - Non-destructive measurement by split-beam microscope**

This International Standard specifies a non-destructive method for determining the thickness of anodic oxidation coatings on aluminium and its alloys using a split-beam microscope. The method is applicable, in most industrial cases, to anodic oxidation coatings above 10 µm, or above 5 µm when the surface is smooth. The use of the method specified is limited by the need for the two luminous lines described in Clause 3 to be visible and distinctly separated, i.e. not in the case of opaque or dark-coloured coatings.

Keel en

Asendab EVS-EN 12373-3:2001

**EVS-EN ISO 3211:2010**

Hind 92,00

Identne EN ISO 3211:2010

ja identne ISO 3211:2010

**Anodizing of aluminium and its alloys - Assessment of resistance of anodic oxidation coatings to cracking by deformation**

This International Standard specifies an empirical method for assessing the resistance of anodic oxidation coatings to cracking by deformation. The method is applicable particularly to sheet material with anodic oxidation coatings of thickness less than 5 µm, and is useful for development purposes.

Keel en

Asendab EVS-EN 12373-15:2001

**EVS-EN ISO 7759:2010**

Hind 124,00

Identne EN ISO 7759:2010

ja identne ISO 7759:2010

**Anodizing of aluminium and its alloys - Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer**

This International Standard specifies a method for the measurement of the reflectance characteristics of high-gloss anodized aluminium surfaces. The method described is also suitable for the measurement of the reflectance characteristics of other high-gloss metal surfaces. The method is not suitable for diffuse-finish metal surfaces and does not measure colour.

Keel en

Asendab EVS-EN 12373-13:2001

**EVS-EN ISO 7963:2010**

Hind 124,00

Identne EN ISO 7963:2010

ja identne ISO 7963:2006

**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

**ASENDATUD VÕI TÜHISTATUD STANDARDID****CEN ISO/TR 20173:2005**

Identne CEN ISO/TR 20173:2005

ja identne ISO/TR 20173:2005

**Welding - Grouping systems for materials - American materials**

This Technical Report provides an American grouping system for materials for welding purposes, classified in accordance with the grouping system of ISO/TR 15608.

Keel en

Asendatud CEN ISO/TR 20173:2009

**CEN/TS 1071-9:2004**

Identne CEN/TS 1071-9:2004

**Advanced technical ceramics – Methods of test for ceramic coatings – Part 9: Determination of fracture strain**

This part of EN 1071 describes a method of measuring the fracture strain of ceramic coatings by means of uniaxial tension or compression tests coupled with acoustic emission to monitor the onset of cracking of the coating. Tensile or compressive strains can also be applied by flexure using four-point bending.

Measurements can be made in favourable cases at elevated temperatures as well as at room temperature.

Keel en

Asendatud EVS-EN 1071-9:2009

**CLC/TR 61158-1:2008**

Identne CLC/TR 61158-1:2008

ja identne IEC/TR 61158-1:2007

**Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series**

This technical report presents an overview and guidance for the IEC 61158 series. It • explains the structure and content of the IEC 61158 series; • relates the structure of the IEC 61158 series to the ISO/IEC 7498 OSI Basic Reference Model; • shows the logical structure of the IEC 61784 series; • shows how to use parts of the IEC 61158 series in combination with IEC 61784 series; • provides explanations of some aspects of the IEC 61158 series that are common to the parts of the IEC 61158-5 series.

Keel en

Asendab CLC/TR 61158-1:2004

Asendatud CLC/TR 61158-1:2010

**EVS-EN 10169-3:2003**

Identne EN 10169-3:2003

**Continuously organic coated (coil coated) steel products - Part 3: Products for building interior applications**

This part of this European Standard gives the specific requirements for continuously organic coated (coil coated) steel flat products used for building interior applications. It particularly specifies the performance requirements of different product flexibility categories and different corrosion protection categories

Keel en

Asendatud EVS-EN 10169:2010

**EVS-EN 10169-1:2004**

Identne EN 10169-1:2003

**Pidevmeetodil orgaanilise materjaliga kaetud (rullis kaetud) tasapinnalised terastooted. Osa 1: Üldinfo (määratlused, materjalid, tolerantsid, katsemeetodid)**

This European Standard provides information on the selection and ordering of continuously organic coated (coil coated) steel flat products and specifies appropriate technical requirements for the products, e.g. for test methods and tolerances on coating thickness, appearance, and product dimensions and shape. This European Standard applies to rolled steel flat products, with or without metallic coatings, that are continuously organic coated by the coil coating process.

Keel en

Asendab EVS-EN 10169-1:2000

Asendatud EVS-EN 10169:2010

**EVS-EN 10169-2:2006**

Identne EN 10169-2:2006

**Continuously organic coated (coil coated) steel flat products - Part 2: Products for building exterior applications**

This document gives the specific requirements for continuously organic coated (coil coated) steel flat products used for building exterior applications. It particularly specifies the performance requirements. The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip).

Keel en

Asendab EVS-ENV 10169-2:2000

Asendatud EVS-EN 10169:2010

**EVS-EN 12071:2000**

Identne EN 12071:1999

**Welding consumables - Tubular cored electrodes for gas shielded metal arc welding of creep-resisting steels - Classification**

This standard specifies requirements for classification of tubular cored electrodes used in gas shielded metal arc welding of creep-resisting and low alloy elevated temperature steels. The classification is based on the chemical composition of the all-weld metal.

Keel en

Asendatud EVS-EN ISO 17634:2006

**EVS-EN 12373-3:2001**

Identne EN 12373-3:1998

**Aluminium and aluminium alloys - Anodizing - Part 3: Determination of thickness of anodic oxidation coatings - Non-destructive measurement by split-beam microscope**

This Part of this European Standard specifies a non-destructive method of determining the thickness of anodic oxidation coatings on aluminium and its alloys using a split-beam microscope.

Keel en

Asendatud EVS-EN ISO 2128:2010

**EVS-EN 12373-13:2001**

Identne EN 12373-13:2000

**Aluminium and aluminium alloys - Anodizing - Part 13: Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer**

This part of this European Standard specifies a method for the measurement of the reflectance characteristics of high-gloss anodized aluminium surfaces. The method described is also suitable for the measurement of the reflectance characteristics of other high gloss metal surfaces. The method is not suitable for diffuse-finish metal surfaces and does not measure colour.

Keel en

Asendatud EVS-EN ISO 7759:2010

**EVS-EN 12373-15:2001**

Identne EN 12373-15:2000

**Aluminium and aluminium alloys - Anodizing - Assessment of resistance of anodic oxidation coatings to cracking by deformation**

This part of this European Standard specifies an empirical method for assessing the resistance of anodic oxidation to cracking by deformation. The method is applicable particularly to sheet material with anodic oxidation of thickness less than 5 µm, and is useful for development purposes.

Keel en

Asendatud EVS-EN ISO 3211:2010

**EVS-EN 27963:1999**

Identne EN 27963:1992

ja identne ISO 7963:1985

**Terase keevisõmblused. Kalibreerimisplakk nr 2 keevisõmbluste ultrahelikontrollimiseks**

Standard määrab kindlaks mõõtmed, terase tüübi ja direktiivid kalibreerimisplaki nr 2 kasutamisel terase keevisõmbluste uurimiseks ultraheli abil.

Keel en

Asendatud EVS-EN ISO 7963:2010

**EVS-EN 60546-2:2002**

Identne EN 60546-2:1993

ja identne IEC 60546-2:1987

**Controllers with analogue signals for use in industrial-process control systems; Part 2: Guidance for inspection and routine testing**

Provides technical guidance for inspection and routine testing of controllers, for instance, as acceptance tests or after repair.

Keel en

Asendatud EVS-EN 60546-2:2010

**EVS-EN 60546-1:2002**

Identne EN 60546-1:1993

ja identne IEC 60546-1:1987

**Controllers with analogue signals for use in industrial-process control systems; Part 1: Methods of evaluating the performance**

Applies to pneumatic and electric industrial-process controllers using analogue continuous input and output signals. Specifies uniform methods of test for evaluating the performance of such controllers.

Keel en

Asendatud EVS-EN 60546-1:2010

**EVS-EN 60745-2-5:2007**

Identne EN 60745-2-5:2007

ja identne IEC 60745-2-5:2006 (Modified)

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-5: Erinõuded ketassaagidele**

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for circular saws. The rated voltage being not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c. tools. This standard does not apply to saws used with abrasive wheels. This standard applies to all types of circular saws. Circular saws hereinafter will be referred to as saws. This standard does not apply to saws used with abrasive wheels.

Keel en

Asendab EVS-EN 60745-2-5:2003

Asendatud EVS-EN 60745-2-5:2010

**EVS-EN 60745-2-5:2007/A11:2010**

Identne EN 60745-2-5:2007/A11:2009

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-5: Erinõuded ketassaagidele**

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for circular saws. The rated voltage being not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c. tools. This standard does not apply to saws used with abrasive wheels. This standard applies to all types of circular saws. Circular saws hereinafter will be referred to as saws. This standard does not apply to saws used with abrasive wheels.

Keel en

Asendatud EVS-EN 60745-2-5:2010

**EVS-EN 60745-2-17:2003**

Identne EN 60745-2-17:2003

ja identne IEC 60745-2-17:2003

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-17: Erinõuded hõõvlitele ja lamineerimistrimmeritele**

Deals with the safety of tools which the rated voltage is not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Supplements or modifies the corresponding clauses of IEC 60745-1

Keel en

Asendab EVS-EN 50144-2-17:2001

Asendatud EVS-EN 60745-2-17:2010

**EVS-EN 60745-2-17:2003/A11:2007**

Identne EN 60745-2-17:2003/A11:2007

**Käeshoitavad mootorajamiga elektritööriistad.****Ohutus. Osa 2-17: Erinõuded hõõvlitele ja lamineerimistrimmeritele**

Deals with the safety of tools which the rated voltage is not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools. Supplements or modifies the corresponding clauses of IEC 60745-1

Keel en

Asendatud EVS-EN 60745-2-17:2010

**EVS-EN 61158-2:2008**

Identne EN 61158-2:2008

ja identne IEC 61158-2:2007

**Industrial communication networks - Fieldbus specifications -- Part 2: Physical layer specification and service definition**

This part of IEC 61158 specifies the requirements for fieldbus component parts. It also specifies the media and network configuration requirements necessary to ensure agreed levels of a) data integrity before data-link Layer error checking; b) interoperability between devices at the physical layer. The fieldbus physical layer conforms to layer 1 of the OSI 7-layer model as defined by ISO 7498 with the exception that, for some types, frame delimiters are in the physical layer while for other types they are in the data-link Layer.

Keel en

Asendab EVS-EN 61158-2:2004; EVS-EN 61491:2002

Asendatud EVS-EN 61158-2:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN ISO 15792-1:2008/prA1**

Identne EN ISO 15792-1:2008/prA1:2010

ja identne ISO 15792-1:2000/DAM 1:2010

Tähtaeg 30.12.2010

**Keevitumaterjalid. Katsemeetodid. Osa 1: Kontrolliited terasele, niklile ja niklisulamitele puhta keevismetalli katsekehade valmistamiseks**

This part of ISO 15792 specifies the preparation of test piece and specimens. The purpose is to determine mechanical properties of all-weld metal where required by the consumable classification standard or for other purposes, in arc welding of steel, nickel and nickel alloys. This part of ISO 15792 is not applicable to single- or two-pass welding or fillet welding. For these cases, ISO 15792-2 and ISO 15792-3 apply.

Keel en

#### **FprEN 61029-2-4**

Identne FprEN 61029-2-4:2010

ja identne IEC 61029-2-4:1993 + A1:2001

Tähtaeg 30.12.2010

#### **Teisaldatavate mootorajamiga elektritööriistade ohutus . Osa 2-4: Erinõuded lihvpinkidele**

This standard applies to transportable bench grinders (see Figure 101) and combined bench grinders (see Figure 107) with a wheel diameter and brush diameter not exceeding 200 mm, a thickness not exceeding 30 mm and a peripheral speed not exceeding 50 m/s, as defined in 2.101 and 2.108. The requirements for bonded abrasive products (wheel) are given in EN 12413. The requirements for brushes are given in EN 1083-2. Stationary grinding machines are covered by EN 13218. Bench grinders where the wheel partly runs in a water reservoir are not considered as tools with water supply.

Keel en

Asendab EVS-EN 61029-2-4:2003; EVS-EN 61029-2-4:2003/A1:2003

#### **FprEN ISO 26945**

Identne FprEN ISO 26945:2010

ja identne ISO/FDIS 26945:2010

Tähtaeg 30.12.2010

#### **Metallic and other inorganic coatings - Electrodeposited coatings of tin-cobalt alloy**

This International Standard specifies electrodeposited coatings of tin-cobalt alloy of approximate composition 75 % (mass fraction) to 80 % (mass fraction) tin, remainder cobalt, as a substitute for decorative chromium coatings of 0,1 µm to 0,3 µm thickness. Hardness and wear resistance properties of the coatings obtained are not equivalent to those of chromium coatings, but similar to those of tin-nickel alloy coatings. Tin-cobalt alloy coatings can be applied by rack or barrel plating processes. This International Standard does not specify requirements for the surface condition of the basis metal prior to electroplating.

Keel en

Asendab EVS-EN ISO 26945:2009

#### **FprEN ISO 28706-1**

Identne FprEN ISO 28706-1:2010

ja identne ISO 28706-1:2008

Tähtaeg 30.12.2010

#### **Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 1: Determination of resistance to chemical corrosion by acids at room temperature**

This part of ISO 28706 describes a test method for the determination of the resistance of vitreous and porcelain enamelled articles to attack by an acid at room temperature, and also specifies a method of classifying the results.

Keel en

Asendab EVS-EN 14483-1:2004

#### **FprEN ISO 28706-2**

Identne FprEN ISO 28706-2:2010

ja identne ISO 28706-2:2008

Tähtaeg 30.12.2010

#### **Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids and/or their vapours**

This part of ISO 28706 describes a test method for the determination of the resistance of flat surfaces of vitreous and porcelain enamels to boiling acids, boiling neutral liquids and/or their vapours. This method allows the determination of the resistance of vitreous and porcelain enamels to the liquid and vapour phases of the corrosive medium simultaneously.

Keel en

Asendab EVS-EN 14483-2:2004

#### **FprEN ISO 28706-3**

Identne FprEN ISO 28706-3:2010

ja identne ISO 28706-3:2008

Tähtaeg 30.12.2010

#### **Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 3: Determination of resistance to chemical corrosion by alkaline liquids using a hexagonal vessel**

This part of ISO 28706 describes a test method for the determination of the resistance of vitreous and porcelain enamelled articles to attack by alkaline liquids at temperatures between 25 °C and 95 °C. The apparatus used is a hexagonal vessel in which six enamelled specimens are simultaneously tested.

Keel en

Asendab EVS-EN 14483-3:2004

#### **FprEN ISO 28706-4**

Identne FprEN ISO 28706-4:2010

ja identne ISO 28706-4:2008

Tähtaeg 30.12.2010

#### **Vitreous and porcelain enamels - Determination of resistance to chemical corrosion - Part 4: Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel**

This part of ISO 28706 describes a test method for the determination of the resistance of vitreous and porcelain enamelled articles to attack by alkaline liquids at temperatures between 25 °C and 95 °C. The apparatus used is a cylindrical vessel in which only one enamelled specimen is tested.

Keel en

Asendab EVS-EN 14483-4:2004

#### **prEN 61784-3-1**

Identne EN 61784-3-1:2010

ja identne IEC 61784-3-1:2010

Tähtaeg 30.12.2010

#### **Industrial communication networks - Profiles - Part 3-1: Functional safety fieldbuses - Additional specifications for CPF 1**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 1 of IEC 61784-1 and IEC 61158 Types 1 and 9. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-1:2008

**prEN 61784-3-2**

Identne EN 61784-3-2:2010  
ja identne IEC 61784-3-2:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-2: Functional safety fieldbuses - Additional specifications for CPF 2**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 2 of IEC 61784-1, IEC 61784-2 and IEC 61158 Type 2. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-2:2008

**prEN 61784-3-3**

Identne EN 61784-3-3:2010  
ja identne IEC 61784-3-3:2010  
Tähtaeg 30.12.2010

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

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 3 of IEC 61784-1, IEC 61784-2 (CP 3/1, CP 3/2, CP 3/4, CP 3/5 and CP 3/6) and IEC 61158 Types 3 and 10. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-3:2008

**prEN 61784-3-6**

Identne EN 61784-3-6:2010  
ja identne IEC 61784-3-6:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-6: Functional safety fieldbuses - Additional specifications for CPF 6**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 6 of IEC 61784-1, IEC 61784-2 and IEC 61158 Type 8. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-6:2008

**prEN 61784-3-8**

Identne EN 61784-3-8:2010  
ja identne IEC 61784-3-8:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-8: Functional safety fieldbuses - Additional specifications for CPF 8**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 8 of IEC 61784-1 and IEC 61158 Type 18. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN 61784-3-12**

Identne EN 61784-3-12:2010  
ja identne IEC 61784-3-12:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-12: Functional safety fieldbuses - Additional specifications for CPF 12**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 12 of IEC 61784-2 and IEC 61158 Type 12. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN 61784-3-13**

Identne EN 61784-3-13:2010  
ja identne IEC 61784-3-13:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-13: Functional safety fieldbuses - Additional specifications for CPF 13**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 13 of IEC 61784-2 and IEC 61158 Type 13. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN 61784-3-14**

Identne EN 61784-3-14:2010  
ja identne IEC 61784-3-14:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-14: Functional safety fieldbuses - Additional specifications for CPF 14**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 14 of IEC 61784-2 and IEC 61158 Type 14. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN ISO 16834**

Identne prEN ISO 16834:2010  
ja identne ISO/DIS 16834:2010  
Tähtaeg 30.12.2010

**Keevitustarvikud. Elektroodtraadid, traadid, vardad ja räbustid kõrgtugeva terase kaitsegaaskeevituseks sulavelektroodiga. Klassifikatsioon**

This International Standard specifies requirements for classification of wire electrodes, wires, rods and weld deposits in the as-welded condition and in the post-weld heat-treated (PWHT) condition for gas-shielded metal arc welding and tungsten inert-gas welding of high strength steels with a minimum yield strength greater than 500 MPa, or a minimum tensile strength greater than 570 MPa. One wire electrode can be tested and classified with different shielding gases. This International Standard is a combined specification providing for classification utilizing a system based upon the yield strength and the average impact energy of 47 J of all-weld metal, or utilizing a system based upon the tensile strength and the average impact energy of 27 J of all-weld metal. 1) Clauses, subclauses and Tables which carry the suffix letter "A" are applicable only to wire electrodes, wires, rods and deposits classified according to the system based upon the yield strength and the average impact energy of 47 J of all-weld metal under this International Standard. 2) Clauses, subclauses and Tables which carry the suffix letter "B" are applicable only to wire electrodes, wires, rods and deposits classified according to the system based upon the tensile strength and the average impact energy of 27 J of all-weld metal under this International Standard. 3) Clauses, subclauses and Tables which do not have either the suffix letter "A" or the suffix letter "B" are applicable to all wire electrodes, wires, rods and deposits classified under this International Standard.

Keel en

Asendab EVS-EN ISO 16834:2007

**prEN ISO 21952**

Identne prEN ISO 21952:2010  
ja identne ISO/DIS 21952:2010  
Tähtaeg 30.12.2010

**Welding consumables - Wire electrodes, wires, rods and deposits for gas-shielded arc welding of creep-resisting steels - Classification**

This International Standard specifies requirements for classification of wire electrodes, wires and rods for gasshielded metal arc welding and tungsten inert-gas welding of creep-resisting steels, and for their deposits in the as-welded or post-weld heat-treated condition. One wire electrode can be tested and classified with different shielding gases. This International Standard is a combined specification providing for classification utilizing a system based upon the chemical composition of wire electrodes, wires and rods with requirements for yield strength and average impact energy of 47 J of all-weld metal, or utilizing a system based upon the tensile strength of the all-weld metal deposits and the chemical composition of wire electrodes, wires and rods. 1) Clauses, subclauses and tables which carry the suffix letter "A" are applicable only to wire electrodes, wires, rods and deposits classified in accordance with the system based upon the chemical composition with requirements for yield strength and the average impact energy of 47 J of all-weld metal deposits under this International Standard. 2) Clauses, subclauses and tables which carry the suffix letter "B" are applicable only to wire electrodes, wires, rods and deposits classified in accordance with the system based upon the tensile strength of all-weld metal deposits and the chemical composition of wire electrodes, wires and rods under this International Standard. 3) Clauses, subclauses and tables which do not have either the suffix letter "A" or the suffix letter "B" are applicable to all wire electrodes, wires, rods and deposits classified under this International Standard.

Keel en

Asendab EVS-EN ISO 21952:2008

## prEN ISO 24598

Identne prEN ISO 24598:2010  
ja identne ISO/DIS 24598:2010  
Tähtaeg 30.12.2010

### **Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of creep-resisting steels - Classification**

This International Standard specifies requirements for classification of solid wire electrodes, tubular cored electrodes and electrode/flux combinations (all-weld metal deposits) for submerged arc welding of creepresisting and low-alloy elevated-temperature steels. One flux can be tested and classified with different electrodes. One electrode can be tested and classified with different fluxes. The solid wire electrode is also classified separately based on its chemical composition. This International Standard is a combined specification providing for classification utilizing a system based upon the chemical composition of the solid wire electrode and all-weld metal deposit, or utilizing a system based upon the tensile strength of the all-weld metal deposit and the chemical composition of the solid wire electrode and all-weld metal deposit obtained with the electrode/flux combination. 1) Clauses, subclauses and tables which carry the suffix letter "A" are applicable only to solid wire electrodes, tubular cored electrodes and all-weld metal deposits classified in accordance with the system based upon chemical composition. 2) Clauses, subclauses and tables which carry the suffix letter "B" are applicable only to solid wire electrodes, tubular cored electrodes and all-weld metal deposits classified in accordance with the system based upon the tensile strength of all-weld metal deposits and the chemical composition of solid wire electrodes and all-weld metal deposits. 3) Clauses, subclauses and tables which do not have either the suffix letter "A" or the suffix letter "B" are applicable to all solid wire electrodes, tubular cored electrodes and electrode/flux combinations classified under this International Standard.

Keel en

Asendab EVS-EN ISO 24598:2008

## **27 ELEKTRI- JA SOOJUSENERGEETIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TS 12977-1:2010**

Hind 155,00

Identne CEN/TS 12977-1:2010

#### **Thermal solar systems and components - Custom built systems - Part 1: General requirements for solar water heaters and combisystems**

This Technical Specification specifies requirements on durability, reliability and safety of small and large custom built solar heating and cooling systems with liquid heat transfer medium in the collector loop for residential buildings and similar applications. This document contains also requirements on the design process of large custom built systems.

Keel en

#### **EVS 860:2010**

Hind 243,00

#### **Tehniliste paigaldiste termiline isoleerimine. Torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus**

Käesolev standard kirjeldab sellist torude, mahutite ja seadmete soojusisoleerimist, kus isolatsioonimaterjalina kasutatakse mineraalvilla ja kattematerjalina lehtmetaili. Sobivuse korral võib käesolevat standardit kasutada ka muudel isolatsioonitöödel.

Keel et

Asendab EVS 860:2006

#### **EVS 860-1:2010**

Hind 124,00

#### **Tehniliste paigaldiste termiline isoleerimine. Osa 1: Torustikud, mahutid ja seadmed.**

##### **Isolatsioonimaterjalid ja -elemendid**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb vajalikku põhiinformatsiooni tehniliste paigaldiste termilise isoleerimise projekteerimiseks ja paigaldamiseks.

Keel et

Asendab EVS 860-1:2008

#### **EVS 860-6:2010**

Hind 166,00

#### **Tehniliste paigaldiste termiline isoleerimine. Osa 6: Torustikud, mahutid ja seadmed. Külmaisolatsioon**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb olulisemaid faktoreid, mida tuleb järgida tehniliste paigaldiste külmaisolatsiooni projekteerimisel, teostamisel ja materjalide valikul.

Keel et

Asendab EVS 860-6:2008

#### **EVS-EN 61400-24:2010**

Hind 377,00

Identne EN 61400-24:2010

ja identne IEC 61400-24:2010

#### **Wind turbines - Part 24: Lightning protection**

This International Standard applies to lightning protection of wind turbine generators and wind power systems. Normative references are made to generic standards for lightning protection, low-voltage systems and high-voltage systems for machinery and installations and electromagnetic compatibility (EMC). This standard defines the lightning environment for wind turbines and application of the environment for risk assessment for the wind turbine. It defines requirements for protection of blades, other structural components and electrical and control systems against both direct and indirect effects of lightning. Test methods to validate compliance are recommended. Guidance on the use of applicable lightning protection, industrial electrical and EMC standards including earthing is provided. Guidance regarding personal safety is provided. Guidelines for damage statistics and reporting are provided.

Keel en



## **EVS-EN 62109-1:2010**

Hind 377,00

Identne EN 62109-1:2010

ja identne IEC 62109-1:2010

### **Safety of power conversion equipment for use in photovoltaic power systems -- Part 1: General requirements**

This part of IEC 62109 applies to the power conversion equipment (PCE) for use in Photovoltaic (PV) systems where a uniform technical level with respect to safety is necessary. This standard defines the minimum requirements for the design and manufacture of PCE for protection against electric shock, energy, fire, mechanical and other hazards. This standard provides general requirements applicable to all types of PV PCE. There are additional parts of this standard that provide specific requirements for the different types of power converters, such as Part 2 - inverters. Additional parts may be published as new products and technologies are commercialised.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS 860:2006**

ja identne EVS 860:2004+A1:2006

#### **Tehniliste paigaldiste terminine isoleerimine. Torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus KONSOLIDEERITUD TEKST**

Standard kirjeldab torude, mahutite ja seadmete soojusisoleerimist, kus isolatsioonimaterjalina kasutatakse mineraalvilla ja katematerjalina lehtmetaili. Sobivuse korral võib käesolevat standardit kasutada ka muudel isolatsioonitöödel.

Keel et

### **EVS 860-1:2008**

ja identne EVS 860-1:2008

#### **Tehniliste paigaldiste terminine isoleerimine. Osa 1: Torustikud, mahutid ja seadmed. Isolatsioonimaterjalid ja -elemendid**

Käesolev standard on osa "Tehniliste paigaldiste terminilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb vajalikku põhiinformatsiooni tehniliste paigaldiste terminilise isoleerimise projekteerimiseks ja paigaldamiseks.

Keel et

### **EVS 860-6:2008**

ja identne EVS 860-6:2008

#### **Tehniliste paigaldiste terminine isoleerimine. Osa 6: Torustikud, mahutid ja seadmed. Külmaisolatsioon**

Käesolev standard on osa "Tehniliste paigaldiste terminilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb olulisemaid faktoreid, mida tuleb järgida tehniliste paigaldiste külmaisolatsiooni projekteerimisel, teostamisel ja materjalide valikul.

Keel et

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 62282-2**

Identne FprEN 62282-2:2010

ja identne IEC 62282-2:201X

Tähtaeg 30.12.2010

#### **Fuel cell technologies - Part 2: Fuel cell modules**

This part of IEC 62282 provides the minimum requirements for safety and performance of fuel cell modules. This standard applies to fuel cell modules with the following electrolyte chemistry: – alkaline; – polymer electrolyte (including direct methanol fuel cells)<sup>1</sup>; – phosphoric acid; – molten carbonate; – solid oxide – aqueous solution of salts. Fuel cell modules might be provided either with or without an enclosure and might be operated at significant pressurization levels or close to ambient pressure. This standard deals with conditions that can yield hazards to persons and damage outside the fuel cell modules only. Protection against damage to the fuel cell modules internals is not addressed in this standard, provided it does not lead to hazards outside the module. These requirements may be superseded by other standards for equipment containing fuel cell modules as required for particular applications. This part of IEC 62282 is not applicable for road vehicle applications. This standard is not intended to limit or inhibit technological advancement. An appliance employing materials or having forms of construction differing from those detailed in the requirements of this standard may be examined and tested according to the intent of these requirements and, if found to be substantially equivalent, may be considered to comply with the standard. The fuel cell modules are components of final products. These products require evaluation to appropriate end-product safety requirements.

Keel en

Asendab EVS-EN 62282-2:2004; EVS-EN 62282-2:2004/A1:2007

## **29 ELEKTROTEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TR 60919-2:2010**

Hind 271,00

Identne CLC/TR 60919-2:2010

ja identne IEC/TR 60919-2:2008

#### **Performance of high-voltage direct current (HVDC) systems with line-commutated converters - Part 2: Faults and switching**

This part of IEC 60919 which is a technical report provides guidance on the transient performance and fault protection requirements of high voltage direct current (HVDC) systems. It concerns the transient performance related to faults and switching for two-terminal HVDC systems utilizing 12-pulse converter units comprised of three-phase bridge (double way) connections but it does not cover multi-terminal HVDC transmission systems. However, certain aspects of parallel converters and parallel lines, if part of a two-terminal system, are discussed. The converters are assumed to use thyristor valves as the bridge arms, with gapless metal oxide arresters for insulation co-ordination and to have power flow capability in both directions. Diode valves are not considered in this report.

Keel en

**EVS-EN 60034-1:2010/AC:2010**

Hind 0,00

Identne EN 60034-1:2010/corr:2010

**Pöörlevad elektrimasinad. Osa 1: Tunnussuurused ja talitusviisid**

Keel en

**EVS-EN 50160:2010**

Hind 209,00

Identne EN 50160:2010

**Elektrijaotusvõrkude pinge tunnussuurused**

This European Standard defines, describes and specifies the main characteristics of the voltage at a network user's supply terminals in public low voltage, medium and high voltage AC electricity networks under normal operating conditions. This standard describes the limits or values within which the voltage characteristics can be expected to remain at any supply terminal in public European electricity networks and does not describe the average situation usually experienced by an individual network user.

Keel en

Asendab EVS-EN 50160:2007

**EVS-EN 50180:2010**

Hind 219,00

Identne EN 50180:2010

**Bushings above 1 kV up to 52 kV and from 250 A to 3,15 kA for liquid filled transformers**

This European Standard is applicable to ceramic and resin insulated bushings having highest voltages above 1 kV up to 52 kV, rated currents from 250 A up to 3 150 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers. This standard establishes essential dimensions, to ensure interchangeability of bushings and to ensure adequate mounting and interchangeability of mating plug-in separable connectors of equivalent ratings.

Keel en

Asendab EVS-EN 50180:2002

**EVS-EN 50181:2010**

Hind 114,00

Identne EN 50181:2010

**Plug-in type bushings above 1 kV up to 52 kV and from 250 A to 2,50 kA for equipment other than liquid filled transformers**

This European Standard is applicable to insulated bushings for maximum voltages above 1 kV up to 52 kV, rated currents from 250 A up to 2 500 A and frequencies from 15 Hz up to 60 Hz for equipment other than liquid filled transformers. This European Standard establishes essential dimensions, to ensure adequate mounting and interchangeability of mating plug-in separable connectors of equivalent ratings.

Keel en

Asendab EVS-EN 50181:2002

**EVS-EN 55020:2007/IS2:2010**

Hind 0,00

Identne EN 55020:2007/IS2:2010

**Raadioringhäälingu ja televisioonilevi vastuvõtjad ja kaasseadmed. Häiringukindluse tunnussuurused. Piirväärtused ja mõõtemetodid**

Keel en

**EVS-EN 60034-1:2010**

Hind 295,00

Identne EN 60034-1:2010

ja identne IEC 60034-1:2010

**Pöörlevad elektrimasinad. Osa 1: Tunnussuurused ja talitusviisid**

This part of IEC 60034 is applicable to all rotating electrical machines except those covered by other IEC standards, for example, IEC 60349 [10] 1) Machines within the scope of this standard may also be subject to superseding, modifying or additional requirements in other publications, for example, IEC 60079 [8] and IEC 60092 [9].

Keel en

Asendab EVS-EN 60034-1:2006

**EVS-EN 60127-2:2003/A2:2010**

Hind 68,00

Identne EN 60127-2:2003/A2:2010

ja identne IEC 60127-2:2003/A2:2010

**Väikesulavkaitsmed. Osa 2: Padrunsulavpanused**

Relates to special requirements applicable to cartridge fuse-links for miniature fuses with dimensions of 5 mm x 20 mm and 6.3 mm x 32 mm for the protection of electric appliances, electronic equipment and component parts thereof, normally intended for use indoors

Keel en

**EVS-EN 60146-1-1:2010**

Hind 315,00

Identne EN 60146-1-1:2010

ja identne IEC 60146-1-1:2009

**Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements**

This International Standard specifies the requirements for the performance of all semiconductor power converters and semiconductor power switches using controllable and/or non-controllable electronic valve devices. The electronic valve devices mainly comprise semiconductor devices, either not controllable (i.e. rectifier diodes) or controllable (i.e. thyristors, triacs, turn-off thyristors and power transistors). The controllable devices may be reverse blocking or reverse conducting and controlled by means of current, voltage or light. Non-bistable devices are assumed to be operated in the switched mode. This standard is primarily intended to specify the basic requirements for converters in general and the requirements applicable to line commutated converters for conversion of a.c. power to d.c. power or vice versa. Parts of this standard are also applicable to other types of electronic power converter provided that they do not have their own product standards. These specific equipment requirements are applicable to semiconductor power converters that either implement power conversion or use commutation (for example semiconductor self-commutated converters) or involve particular applications (for example semiconductor converters for d.c. motor drives) or include a combination of said characteristics (for example direct d.c. converters for electric rolling stock). This standard is applicable to all power converters not covered by a dedicated product standard, or if special features are not covered by the dedicated product standard. Dedicated product standards for power converters should refer to this International Standard.

Keel en

Asendab EVS-EN 60146-1-1:2002

**EVS-EN 60401-2:2010**

Hind 105,00

Identne EN 60401-2:2010

ja identne IEC 60401-2:2009

**Terms and nomenclature for cores made of magnetically soft ferrites - Part 2: Reference of dimensions**

This part of IEC 60401 presents a method for defining the designation nomenclature for the major physical attributes of soft ferrite core shapes. The purpose of this standard is to facilitate uniform usage of dimensional characters by manufacturers, specifiers, and users when describing core dimensions on drawings, in tables, and on catalogue specification sheets.

Keel en

**EVS-EN 60666:2010**

Hind 209,00

Identne EN 60666:2010

ja identne IEC 60666:2010

**Detection and determination of specified additives in mineral insulating oils**

The methods described in this International Standard concern the detection and determination of specified additives in unused and used mineral insulating oils. The detection methods may be applied to assess whether or not a mineral insulating oil contains an additive as specified by the supplier. The determination methods are used for the quantitative determination of additives known to be present or previously detected by the appropriate detection method.

Keel en

Asendab EVS-HD 415 S1:2003

**EVS-EN 60684-3-209:2010**

Hind 105,00

Identne EN 60684-3-209:2010

ja identne IEC 60684-3-209:2010

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 209: Heat-shrinkable polyolefin sleeving, general purpose, flame retarded**

This part of IEC 60684 gives the requirements for two types of general purpose, flexible, flame retarded, heat-shrinkable polyolefin sleeving. This sleeving has been found suitable for use at temperatures up to 125 °C. - Type A - Highly flame retarded - Type B - Flame retarded The minimum supplied and maximum recovered internal diameters shall be specified by the manufacturer and shall meet the minimum wall thicknesses given in Table 2. It is normally available in bore sizes up to 75 mm as supplied and in the following colours: black, brown, white, red, yellow, green, blue, orange, violet, grey and yellow/green. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

Asendab EVS-EN 60684-3-209:2003

**EVS-EN 60684-3-280:2010**

Hind 114,00

Identne EN 60684-3-280:2010

ja identne IEC 60684-3-280:2010

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 280: Heat-shrinkable, polyolefin sleeving, anti-tracking**

This part of IEC 60684 gives the requirements for heat-shrinkable, polyolefin sleeving, anti-tracking with a nominal shrink ratio of 3:1. This sleeving has been found suitable for use at temperatures up to 100 °C. Typically: medium wall, internal diameter up to 110 mm. These sleeveings are normally supplied in the colours red or brown. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Table A.1 in this standard provides guidance on the range of sizes available. The actual size shall be agreed between the user and the supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. This sleeving is designed to be used in medium voltage cable accessories and as such electrical performance must be proven as part of the assembly. Examples of this are described in HD 629 and IEC 60502 series.

Keel en

**EVS-EN 60684-3-281:2010**

Hind 105,00

Identne EN 60684-3-281:2010

ja identne IEC 60684-3-281:2010

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 281: Heat-shrinkable, polyolefin sleeving, semiconductive**

This part of IEC 60684 gives the requirements for two types of heat-shrinkable, polyolefin sleeving, semiconductive, with a nominal shrink ratio of 3:1. This sleeving has been found suitable up to temperatures of 100 °C. - Type A: Thin wall Internal diameter up to 195,0 mm typically - Type B: Medium wall Internal diameter up to 120,0 mm typically These sleeveings are normally supplied in the colour black. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Tables A.1 and A.2 in this standard provides guidance to the range of sizes available. The actual size shall be agreed between the user and the supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. This sleeving is designed to be used in MV cable accessories and as such electrical performance must be proven as part of the assembly. Examples of this are described in HD 629 and IEC 60502 series.

Keel en

**EVS-EN 60684-3-282:2010**

Hind 105,00

Identne EN 60684-3-282:2010

ja identne IEC 60684-3-282:2010

**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving - Stress control**

This part of IEC 60684 gives the requirements for two types of heat-shrinkable, polyolefin sleeving, stress control, not flame retarded, with a nominal shrink ratio up to 3:1. This sleeving has been found suitable for use up to temperatures of 100 °C. - Type A : Medium wall Internal diameter up to 65,0 mm typically - Type B : Thick wall Internal diameter up to 95,0 mm typically These sleeveings are normally supplied in colour black. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Tables A.1 and A.2 in this standard provides guidance to the range of sizes available. The actual size shall be agreed between the user and the supplier. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. This sleeving is designed to be used in MV cable accessories and as such electrical performance must be proven as part of the assembly. Examples of this are described in HD 629 and the IEC 60502 series.

Keel en

**EVS-EN 60695-6-1:2005/A1:2010**

Hind 135,00

Identne EN 60695-6-1:2005/A1:2010

ja identne IEC 60695-6-1:2005/A1:2010

**Fire hazard testing Part 6-1: Smoke obscuration – General guidance**

Gives guidance on: a) optical measurement of smoke obscuration; b) general aspects of optical smoke test methods; c) consideration of test methods; d) expression of smoke test data; e) relevance of optical smoke data to hazard assessment.

Keel en

**EVS-EN 60695-7-1:2010**

Hind 178,00

Identne EN 60695-7-1:2010

ja identne IEC 60695-7-1:2010

**Fire hazard testing - Part 7-1: Toxicity of fire effluent - General guidance**

This part of IEC 60695 provides guidance on the factors which affect the toxic hazard from fires involving electrotechnical products, and provides information on the methodologies recommended by ISO TC 92 (SC 3) for estimating and reducing the toxic hazard from fires, as expressed in ISO 19706, ISO 13344 and ISO 13571. There is no single test to realistically assess toxic hazard in fires. Small-scale toxic potency tests are not capable on their own of assessing the toxic hazard in fires. Current toxicity tests attempt to measure the toxic potency of a laboratory generated fire effluent. Toxic potency should not be confused with toxic hazard. 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

Asendab EVS-EN 60695-7-1:2004

**EVS-EN 60695-1-11:2010**

Hind 229,00

Identne EN 60695-1-11:2010

ja identne IEC 60695-1-11:2010

**Fire hazard testing - Part 1-11: Guidance for assessing the fire hazard of electrotechnical products - Fire hazard assessment**

This part of IEC 60695-1 provides guidance for assessing the fire hazard of electrotechnical products and for the resulting development of fire hazard testing as related directly to harm to people, animals or property. For the purposes of this standard, product means complete electrotechnical equipments, their parts (including components) and electrical insulating materials. It outlines a hazard-based process to identify appropriate fire test methods and performance criteria for products. The principles of the methodology are to identify fire events (fire scenarios) which will be associated with the product, to establish how the measurable fire properties of the product are related to the possible occurrence and outcome of those events, and to establish test methods and performance requirements for those properties which will either result in a tolerable fire outcome or eliminate the event altogether. This standard is intended as guidance to IEC committees, and should be used with respect to their individual applications. The actual implementation of this standard remains the responsibility of each product committee, according to the minimum acceptable fire safety in its application field and taking into account the feedback from experience. 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

Asendab EVS-EN 60695-1-1:2001

**EVS-EN 61386-24:2010**

Hind 135,00

Identne EN 61386-24:2010

ja identne IEC 61386-24:2004

**Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground**

This standard specifies requirements and tests for conduit systems buried underground including conduits and conduit fittings for the protection and management of insulated conductors and/or cables in electrical installations or in communication systems. This standard applies to metallic, non-metallic and composite systems including threaded and non-threaded entries which terminate the system.

Keel en

Asendab EVS-EN 50086-2-4:2001; EVS-EN 50086-2-4:2001/A1:2002

**EVS-EN 61558-2-3:2010**

Hind 145,00

Identne EN 61558-2-3:2010

ja identne IEC 61558-2-3:2010

**Safety of transformers, reactors, power supply units and combinations thereof - Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners**

This part of IEC 61558 deals with the safety of ignition transformers for gas and oil burners. Ignition transformers incorporating electronic circuits are also covered by this standard. Unless otherwise specified, from here onward, the term transformer covers ignition transformers for gas and oil burners. This part applies to fixed single-phase air-cooled (natural or forced) associated dry-type transformers used in the ignition systems of gas and oil burners. The windings may be encapsulated or non-encapsulated. The rated supply voltage does not exceed 1 000 V a.c., and the rated supply frequency and the internal operational frequency do not exceed 500 Hz. The rated short-circuit output current does not exceed 500 mA a.c. The no-load output voltage or the rated output voltage does not exceed 15 000 V a.c. This part is not applicable to external circuits and their components intended to be connected to the input and output terminals or socket-outlets of the transformers. Transformers covered by this part are used in applications where double or reinforced insulation between circuits is not required by the installation rules or by the end product standard.

Keel en

Asendab EVS-EN 61558-2-3:2001

**EVS-EN 61558-2-5:2010**

Hind 135,00

Identne EN 61558-2-5:2010

ja identne IEC 61558-2-5:2010

**Safety of transformers, reactors, power supply units and combinations thereof - Part 2-5: Particular requirements and tests for transformer for shavers, power supply units for shavers and shaver supply units**

This part of IEC 61558 deals with the safety of shaver transformers, power supply units incorporating a shaver transformer, and shaver supply units. Shaver transformers incorporating electronic circuits are also covered by this standard.

Keel en

Asendab EVS-EN 61558-2-5:2001; EVS-EN 61558-2-5:2001/A11:2004

**EVS-EN 61558-2-8:2010**

Hind 135,00

Identne EN 61558-2-8:2010

ja identne IEC 61558-2-8:2010

**Trafode, reaktorite, elektritoiteseadmete ja muude taoliste toodete ohutus toitepingel kuni 1100 V. Osa 2-8: Erinõuded kõlisti- ja helinatrafodele**

This part of IEC 61558 deals with the safety of bell and chime transformers and power supply units incorporating bell and chime transformers. Transformers incorporating electronic circuits are also covered by this standard. Unless otherwise specified, from here onward, the term transformer covers bell and chime transformers and power supply units incorporating bell and chime transformers. This part is applicable to stationary, single-phase, air-cooled (natural or forced) independent or associated dry-type transformers. The windings may be encapsulated or non-encapsulated. This standard is applicable to transformers and power supply (linear). This standard used in combination with part 2-16 for switch mode power supply (SMPS) units is also applicable to power supplies with internal operating frequencies higher than 500 Hz. Where the two requirements are in conflict, the most severe takes precedence. The rated supply voltage does not exceed 250 V a.c., and the rated supply frequency and does not exceed 500 Hz. This standard is applicable to transformers and linear power supply units with internal operating frequency not exceeding 500 Hz. The rated output shall not exceed 100 VA. The no-load output voltage does not exceed 33 V a.c. or 46 V ripple-free d.c., and the rated output voltage does not exceed 24 V a.c., or 33 V ripple-free d.c. Bell and chime transformers are generally intended to supply domestic sound signalling equipment and other similar devices where the load is applied for short periods of time.

Keel en

Asendab EVS-EN 61558-2-8:2001

**EVS-EN 61788-14:2010**

Hind 178,00

Identne EN 61788-14:2010

ja identne IEC 61788-14:2010

**Superconductivity - Part 14: Superconducting power devices - General requirements for characteristic tests of current leads designed for powering superconducting devices**

This part of IEC 61788 provides general requirements for characteristic tests of conventional as well as superconducting current leads to be used for powering superconducting equipment.

Keel en

**EVS-EN 61975:2010**

Hind 295,00

Identne EN 61975:2010

ja identne IEC 61975:2010

**High-voltage direct current (HVDC) installations - System tests**

This International Standard applies to system tests for high-voltage direct current (HVDC) installations which consist of a sending terminal and a receiving terminal, each connected to an a.c. system. The tests specified in this standard are based on bidirectional and bipolar high-voltage direct current (HVDC) installations which consist of a sending terminal and a receiving terminal, each connected to an a.c. system. The test requirements and acceptance criteria should be agreed for back-to-back installations, while multi-terminal systems and voltage sourced converters are not included in this standard. For monopolar HVDC installations, the standard applies except for bipolar tests. For the special functions or performances that are claimed by specific projects, some extra test items not included in this standard should be added according to the technical specification requirements. This standard only serves as a guideline to system tests for high-voltage direct current (HVDC) installations. The standard gives potential users guidance, regarding how to plan commissioning activities. The tests described in the guide may not be applicable to all projects, but represent a range of possible tests which should be considered. Therefore, it is preferable that the project organization establishes the individual test program based on this standard and in advance assigns responsibilities for various tasks/tests between involved organisations (e.g. user, supplier, manufacturer, operator, purchaser etc.) for each specific project.

Keel en

**EVS-EN 62271-101:2006/A1:2010**

Hind 145,00

Identne EN 62271-101:2006/A1:2010

ja identne IEC 62271-101:2006/A1:2010

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

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

Keel en

**EVS-EN 62317-2:2010**

Hind 124,00

Identne EN 62317-2:2010

ja identne IEC 62317-2:2010

**Ferrite cores - Dimensions - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications**

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of pot-cores made of ferrite, and the dimensional limits for coil formers to be used with them. The selection of core sizes for this standard is based on the philosophy of including those sizes which are industrial standards, either by inclusion in a national standard, or by broad-based use in industry. See IEC 62317-1 for more detail concerning the philosophy of selecting core sizes to be included. The general considerations upon which the design of this range of cores is based are given in Annex A.

Keel en

**EVS-EN 62329-3-100:2010**

Hind 198,00

Identne EN 62329-3-100:2010

ja identne IEC 62329-3-100:2010

**Heat shrinkable moulded shapes - Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance - Sheet 100:Heat-shrinkable moulded shape dimensions**

This sheet of IEC 62329-3 gives the dimensional requirements for heat-shrinkable moulded shapes. The moulded shapes may be supplied with a pre-coated adhesive. Refer to the manufacturers/suppliers for options. These moulded shapes are normally supplied in the styles and dimensions given in Tables 1 to 22. The colour is normally black. Styles and dimensions other than those specifically listed in Tables 1 to 22 may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in the sheets for material performance, with the exception of dimensions. Materials that conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

**EVS-EN 62329-3-101:2010**

Hind 114,00

Identne EN 62329-3-101:2010

ja identne IEC 62329-3-101:2010

**Heat shrinkable moulded shapes - Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance - Sheet 101:Heat-shrinkable moulded shapes, polyolefin, semi-rigid, limited fire hazard, material requirements and system performance**

This sheet of IEC 62329-3 gives the requirements for heat-shrinkable moulded shapes, polyolefin, semi-rigid, limited fire hazard, material requirements and system performance. Experience of product performance indicates that this moulded shape material is suitable for inclusion in systems for operation in the following temperature range: -30 °C to + 105 °C. The moulded shapes may be supplied with a pre-coated adhesive. Refer to the manufacturers/suppliers for options. A guide to adhesive compatibility is given in Annex A. These moulded shapes are normally supplied in the styles and dimensions given in IEC 62329-3-100. The colour is normally black. Styles and dimensions other than those specifically listed in IEC 62329-3-100 may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in Table 1 with the exception of dimensions. Materials that conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

**EVS-EN 62329-3-102:2010**

Hind 105,00

Identne EN 62329-3-102:2010

ja identne IEC 62329-3-102:2010

**Heat shrinkable moulded shapes - Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance - Sheet 102:Heat-shrinkable elastomeric moulded shapes, semi-rigid, material requirements and system performance**

This sheet of IEC 62329-3 gives the requirements for heat-shrinkable elastomeric moulded shape, semi-rigid material requirements and system performance. Experience of product performance indicates that this moulded shape material is suitable for inclusion in systems for operation in the following temperature ranges: -75 °C to + 120 °C. The moulded shapes may be supplied with a pre-coated adhesive. Refer to the manufacturers/suppliers for options. A guide to adhesive compatibility is given in Annex A. These moulded shapes are normally supplied in the styles and dimensions given in IEC 62329-3-100. The colour is normally Black. Styles and dimensions other than those specifically listed in IEC 62329-3-100 may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in Table 1 with the exception of dimensions. Materials that conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

**EVS-HD 639 S1:2003/A2:2010**

Hind 68,00

Identne HD 639 S1:2002/A2:2010

**Elektrilised lisaseadmed. Kantavad rikkevoolukaitseaparaadid ilma sissehitatud liigvoolukaitseta majapidamis- ja muuks taoliseks kasutuseks**

Electrical accessories Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)

Keel en

**EVS-HD 60269-2:2010**

Hind 394,00

Identne HD 60269-2:2010

ja identne IEC 60269-2:2010

**Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to J**

The following additional requirements apply to fuses with fuse-links having blade contacts intended to be replaced by means of a device, for example, replacement handle (see Figure 103), which complies with the dimensions specified in Figures 101 and 102. Such fuses have rated currents up to and including 1250 A and rated voltages up to and including 1000 V a.c. or 1500 V d.c. The following characteristics of the fuses are specified in addition to the IEC 60269-1: - minimum rated breaking capacities; - time-current characteristics; - I<sub>2t</sub> characteristics; - standard conditions of construction; - power dissipation and acceptable power dissipation.

Keel en

Asendab EVS-HD 60269-2:2007

## **EVS-HD 60269-3:2010**

Hind 377,00

Identne HD 60269-3:2010

ja identne IEC 60269-3:2010

### **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 - Fuse system B: Cylindrical fuses (NF cylindrical fuse system) - Fuse system C: Cylindrical fuses (BS cylindrical fuse system) - Fuse system D: Cylindrical fuses (Italian cylindrical fuse system) - Fuse system E: Pin-type fuses - Fuse system F: Cylindrical fuse-links for use in plugs (BS plugtop fuse system)

Keel en

Asendab EVS-HD 60269-3:2007

## **EVS-HD 60364-7-702:2010**

Hind 166,00

Identne HD 60364-7-702:2010

ja identne IEC 60364-7-702:2010

### **Low-voltage electrical installations - Part 7-702: Requirements for special installations or locations - Swimming pools and fountains**

The particular requirements of this part of IEC 60364 apply to electrical installations of: - basins of swimming pools and paddling pools and their surrounding zones; - areas in natural waters, lakes in gravel pits and coastal and similar areas, specially intended to be occupied by persons for swimming, paddling and similar purposes, and their surrounding zones. Such areas in natural waters, lakes in gravel pits and coastal and similar areas, are considered as swimming pools; - basins of fountains and their surrounding zones. NOTE In these areas, in normal use, the effect of an electric shock is increased by a reduction in body resistance and contact of the body with earth potential. For swimming pools for medical use, special requirements may apply. This standard does not cover the use of mobile equipment, e.g. pool cleaning equipment.

Keel en

Asendab EVS-HD 384.7.702 S2:2004

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 50086-2-4:2001**

Identne EN 50086-2-4:1994

#### **Elektripaigaldiste torusüsteemid. Osa 2-4: Erinõuded maa-alustele paindtorusüsteemidele**

This standard specifies requirements and tests for conduit systems buried underground including conduits and conduit fittings for the protection and management of insulated conductors and/or cables in electrical installations or in communication systems. This standard applies to metallic, non-metallic and composite systems including threaded and non-threaded entries which terminate the system.

Keel en

Asendatud EVS-EN 61386-24:2010

### **EVS-EN 50086-2-4:2001/A1:2002**

Identne EN 50086-2-4:1994/A1:2001

#### **Elektripaigaldiste torusüsteemid. Osa 2-4: Erinõuded maa-alustele paindtorusüsteemidele**

This standard specifies requirements and tests for conduit systems buried underground including conduits and conduit fittings for the protection and management of insulated conductors and/or cables in electrical installations or in communication systems. This standard applies to metallic, non-metallic and composite systems including threaded and non-threaded entries which terminate the system.

Keel en

Asendatud EVS-EN 61386-24:2010

### **EVS-EN 50160:2007**

Identne EN 50160:2007

#### **Elektrijaotusvõrkude pinge tunnussuurused**

Käesolev Euroopa standard määrab, kirjeldab ja defineerib madal- ja keskpinge elektrijaotusvõrkude pinge põhilisi tunnussuursusi elektrivõrgu kasutaja liitumispunkti normaaltalitusel. Standard kirjeldab pinge tunnussuure piirväärtusi või prognoositavaid väärtusi kogu jaotusvõrgus, aga mitte üksiku elektrivõrgu kasutaja tavalist keskmist olukorda.

MÄRKUS 1 Madal- ja keskpinge määratlused on alajaotistes 3.7 ja 3.8.

Euroopa standard ei kehti järgmiste ebanormaalse talitluste korral:

- ajutise elektrivarustuse korraldamine elektrivõrgu kasutajate toite jätkamiseks või toitekatkestuse ulatuse ja kestuse vähendamiseks olukorras, mis on tekkinud rikke tagajärjel või hooldus- ja ehitustööde tõttu;
- elektrivõrgu kasutaja elektripaigaldise või seadmestiku mittevastamine asjakohastele standarditele või riigiasutuste või jaotusvõrgu käitaja kehtestatud liitumise tehnilistele nõuetele, sh pikihäiringute emissiooni piirnivoodele.
- MÄRKUS 2 Elektrivõrgu kasutaja elektripaigaldis võib sisaldada nii koormust kui ka genereerimist.
- Erandolukorrad, konkreetsemalt öeldes
- erandlikud ilmastikuolud ja muud loodusõnnetused,
- kolmandate osapoolte sekkumine,
- võimuorganite otsused,
- seaduslikud streigid,
- vääramatu jõud,
- välistest sündmustest tingitud võimsusvajak.

Käesolevas standardis antud pinge tunnussuurused ei ole mõeldud kasutamiseks elektromagnetilise

ühilduvuse nivoodena või elektrivõrgu kasutaja pikihäiringute emissiooni piirnivoodena jaotusvõrgus.

Käesolevas standardis antud pinge tunnussuurused ei ole mõeldud kasutamiseks seadmestiku toote- ja paigaldusstandardite nõuete määratlemisel.

MÄRKUS 3 Seadme talitus võib halveneda, kui teda kasutatakse tootestandardi nõuetele mittevastavates toitetingimustes.

Käesoleva standardi võib täielikult või osaliselt asendada elektrivõrgu kasutaja ja jaotusvõrgu käitaja vahelise lepingu tingimustega

Keel et

Asendab EVS-EN 50160:2000

Asendatud EVS-EN 50160:2010



**EVS-EN 50180:2002**

Identne EN 50180:1997:1998

**Bushings above 1 kV up to 36 kV and from 250 A to 3,15 kA for liquid filled transformers**

This standard is applicable to ceramic and resin insulated bushings for rated voltages above 1 kV up to 36 kV, rated currents from 250 A up to 3150 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers.

Keel en

Asendatud EVS-EN 50180:2010

**EVS-EN 50181:2002**

Identne EN 50181:1997

**Plug-in type bushings above 1 kV up to 36 kV and from 250 A to 1,25 kA for equipment other than liquid filled transformers**

This standard is applicable to insulated bushings for rated voltages above 1 kV up to 36 kV, rated currents from 250 A up to 1250 A and frequencies from 15 Hz up to 60 Hz for equipment other than liquid filled transformers.

Keel en

Asendatud EVS-EN 50181:2010

**EVS-EN 60034-1:2006**

Identne EN 60034-1:2004

ja identne IEC 60034-1:2004

**Pöörlevad elektrimasinad. Osa 1: Tunnussuurused ja talitusviisid**

IEC 60034 käesolev osa kehtib kõigi pöörlevate elektrimasinate kohta, väljaarvatult need, mida käsitlevad muud IEC standardid, nt IEC 60349. Käesoleva standardi käsituslasse kuuluvate masinate kohta võib olla ka teisi publikatsioone, mis sisaldavad asendavaid, muutvaid või täiendavaid nõudeid, näiteks IEC 60079 ja IEC 60092.

Märkus. Kui käesoleva standardi mõnda jaotist on muudetud, et arvestada erirakendusi, nt radioaktiivse kiirguse oludes või maailmaruumis talitlevaid masinaid, kehtivad nende kohta kõik muud sobivad jaotised.

Keel et

Asendab EVS-EN 60034-1:2001; EVS-EN 60034-1:2001/A11:2003

Asendatud EVS-EN 60034-1:2010

**EVS-EN 60146-1-1:2002**

Identne EN 60146-1-1:1993 + A1:1997

ja identne IEC 60146-1-1:1991 + A1:1996

**Semiconductor convertors - General requirements and line commutated convertors - Part 1-1: Specifications of basic requirements**

Specifies the requirements for the performance of all electronic power convertors and electronic power switches using controllable and/or non-controllable electronic valves. Specifies the requirements applicable to line commutated convertors for conversion of a.c. power to d.c. power or vice versa including tests and service conditions which influence the basis of rating.

Keel en

Asendatud EVS-EN 60146-1-1:2010

**EVS-EN 60401-2:2003**

Identne EN 60401-2:2003

ja identne IEC 60401-2:2003

**Terms and nomenclature for cores made of magnetically soft ferrites - Part 2: Reference of dimensions**

Presents a method for defining the designation nomenclature for the major physical attributes of soft ferrite core shapes. Facilitates uniform usage of dimensional characters by manufacturers, specifiers, and users when describing core dimensions on drawings, in tables, and on catalogue specification sheets

Keel en

Asendatud EVS-EN 60401-2:2010

**EVS-EN 60684-3-209:2003**

Identne EN 60684-3-209:2003

ja identne IEC 60684-3-209:2003

**Flexible insulating sleeving Part 3: Specifications for individual types of sleeving Sheet 209: Heat-shrinkable polyolefin sleeving, general purpose, flame retarded, shrink ratio 2:1**

Gives the requirements for one type of general purpose, flexible, flame retarded, heat-shrinkable polyolefin sleeving with a nominal minimum shrink ratio of 2:1. This sleeving has been found suitable for use at temperatures up to 125 °C

Keel en

Asendab EVS-HD 523.3.209 S1:2003

Asendatud EVS-EN 60684-3-209:2010

**EVS-EN 60695-1-1:2001**

Identne EN 60695-1-1:2000

ja identne IEC 60695-1-1:1999 + Corr.:2000

**Tuleohukatsetused. Osa 1-1: Juhend elektritoodete tuleohu hindamiseks. Üldsuunised**

The standard provides general guidance for fire hazard testing.

Keel en

Asendatud EVS-EN 60695-1-10:2010; EVS-EN 60695-1-11:2010

**EVS-EN 60695-7-1:2004**

Identne EN 60695-7-1:2004

ja identne IEC 60695-7-1:2004

**Fire hazard testing - Part 7-1: Toxicity of fire effluent - General guidance**

Provides guidance on the factors which affect the toxic hazard from fires involving electrotechnical products, and provides information on the methodologies recommended by ISO TC 92 (SC 3) for estimating and reducing toxic hazard from fires, as expressed in ISO/TR 9122 (Parts 1 to 6), ISO 13344 and ISO/TS 13571.

There is no single test to realistically assess toxic hazard in fires. Small-scale toxic potency tests are not capable on their own of assessing fire hazard. Current toxicity tests attempt to measure the toxic potency of a laboratory generated fire effluent. Toxic potency should not be confused with toxic hazard. Although the structure of this standard remains essentially the same, the main changes with respect to the previous edition are listed below: - Introduction: an explanation concerning the publication of IEC 60695-7-50, a small-scale toxicity test method, reference to IEC 60695-7-51 which covers the calculation and interpretation of test results, an explanation of the alignment with ISO/TC 92 Fire safety. - The expansion of the scope further clarifies the subject matter and alignment with ISO/TC 92, in particular ISO 13344 and ISO/TS 13571. - Formulae are given for the calculation of the fraction of the incapacitating dose for each of the asphyxiants, carbon monoxide and hydrogen cyanide. - Volume fractions that are expected to cause incapacitation (F values) are given for some of the more important irritants. - The definitions have been greatly expanded and updated. - The subclause on factors determining toxic hazard has been expanded. - New subclauses include general aspects of small-scale test methods, evaluation of test methods and the relevance of toxic hazard data to hazard assessment. - A flowchart has been added to outline the stages to be followed for test method assessment. Has the status of a basic safety publication in accordance with IEC Guide 104.

Keel en

Asendatud EVS-EN 60695-7-1:2010

**EVS-EN 61558-2-3:2001**

Identne EN 61558-2-3:2000

ja identne IEC 61558-2-3:1999

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-3: Erinõuded gaasi- või õlipõletite süütetrafodele**

This part 2 of IEC 61558 is applicable to stationary single-phase air-cooled associated transformers used in the ignition system of oil and gas burners, having a rated supply voltage not exceeding 1000 V alternating current and rated frequency not exceeding 500 Hz. The rated output voltage does not exceed 15000 V a.c. and rated output current is not exceeding 500 mA a.c.

Keel en

Asendatud EVS-EN 61558-2-3:2010

**EVS-EN 61558-2-5:2001**

Identne EN 61558-2-5:1998

ja identne IEC 61558-2-5:1997

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-5: Erinõuded pardlitrafodele ja pardlitoiteplokkidele**

This part 2 of IEC 1558 applies to shaver supply units, embodying one or more socket-outlets and single phase air cooled isolating transformer, having a rated supply voltage not exceeding 250 V a.c., a rated output being not less than 20 VA and not exceeding 50 VA, a rated output voltage not exceeding 250 V, and a rated frequency not exceeding 500 Hz. This standard is also applicable to shaver transformers for embodiment into shaver supply units.

Keel en

Asendatud EVS-EN 61558-2-5:2010

**EVS-EN 61558-2-8:2001**

Identne EN 61558-2-8:1998

ja identne IEC 61558-2-8:1998

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-8: Erinõuded kõlisti- ja helinatrafodele**

This international standard deals with all aspects of safety such as electrical, thermal and mechanical. This part 2-8 of IEC 1558 is applicable to fixed, single phase air cooled (natural or forced), independent or associated safety isolating transformers for bell and chimes, having a rated supply voltage not exceeding 250V a.c., a rated frequency not exceeding 500 Hz, a rated output voltage not exceeding 100 VA. The no-load output voltage shall not exceed 33 V a.c. or 46 V ripple free d.c. and the rated output voltage shall not exceed 24 V a.c. or 33 V ripple free d.c. Bell and chime transformers are generally intended to supply domestic sound signalling equipment and other similar devices where the load is applied for short periods of time. This standard applies to special safety isolating transformers (transformer for bell and chime) which are used where double or reinforced insulation between circuits is required by the installation rules or by the appliance specification. This standard is applicable to dry-type transformers. The windings may be encapsulated or non-encapsulated. This standard is also applicable to transformers incorporating electronic circuits. This standard does not apply to external circuits and their components intended to be connected to the input and output terminals or socket-outlets of the transformer. Generally intended to supply domestic sound signalling equipment and other devices where the load is applied for short periods of time.

Keel en

Asendatud EVS-EN 61558-2-8:2010

**EVS-EN 61558-2-5:2001/A11:2004**

Identne EN 61558-2-5:1998/A11:2004

**Jõutrafode, elektrivarustusseadmete ja muude taoliste seadmete ohutus. Osa 2-5: Erinõuded pardlitrafodele ja pardlitoiteplokkidele**

This part 2 of IEC 1558 applies to shaver supply units, embodying one or more socket-outlets and single phase air cooled isolating transformer, having a rated supply voltage not exceeding 250 V a.c., a rated output being not less than 20 VA and not exceeding 50 VA, a rated output voltage not exceeding 250 V, and a rated frequency not exceeding 500 Hz. This standard is also applicable to shaver transformers for embodiment into shaver supply units.

Keel en

Asendatud EVS-EN 61558-2-5:2010

**EVS-EN 61666:2002**

Identne EN 61666:1997  
ja identne IEC 61666:1997

**Industrial systems, installations and equipment and industrial products - Identification of terminals within a system**

This International Standard provides rules for the designation of terminals of objects within a system. The principles laid down are primarily intended for use in the electrotechnical and related areas, but are general and applicable to all technical areas. They can be used for systems based on different technologies or for systems combining several technologies.

Keel en

Asendatud EVS-EN 61666:2010

**EVS-HD 384.7.702 S2:2004**

Identne HD 384.7.702 S2:2002  
ja identne IEC 60364-7-702:1997

**Ehitiste elektripaigaldised. Osa 7: Nõuded eripaigaldistele ja -paikadele. Jagu 702: Ujumis- ja muud basseinid**

Käesoleva jao erinõuded kehtivad ujumis-, purskkaevu- ja sumamisbasseinide kohta. Ühtlasi kehtivad need nimetatud basseine ümbritsevate tsoonide kohta. Neil aladel on elektrilöögi oht ka normaaloludes tavalisest suurem, kuna inimkeha elektriline takistus on väiksem ja keha on kokkupuutes maa potentsiaaliga.

Seadmestandardites käsitletavat ujumisbasseinid ei kuulu käesoleva standardi käsitusallas.

Meditsiini-liseks otstarbeks ettenähtud ujumisbasseinide kohta võib osutada vajalikuks erinõuete kehtestamine.

Keel et

Asendatud EVS-HD 60364-7-702:2010

**EVS-HD 415 S1:2003**

Identne HD 415 S1:1981  
ja identne IEC 60666:1979

**Detection and determination of specified anti-oxidant additives in insulating oils**

The methods described are to be used for the detection and determination of specified antioxidant additives in new hydrocarbon insulating oils. The detection methods are to be applied to assess whether or not a hydrocarbon insulating oil contains an anti-oxidant additive as specified by the supplier. The determination methods are used for the quantitative determination of anti-oxidant additives previously detected by the appropriate detection method.

Keel en

Asendatud EVS-EN 60666:2010

**EVS-HD 60269-2:2007**

Identne HD 60269-2:2007  
ja identne IEC 60269-2:2006 (Modified)

**Madalpingelised sulavkaitsmed. Osa 2: Lisanõuded volitatud isikute poolt (peamiselt tööstusrakendustes) kasutatavatele sulavkaitsmetele. Kaitsmete standardsüsteemide A kuni I näited**

Fuses for use by authorized persons are generally designed to be used in installations where the fuselinks are accessible to, and may be replaced by, authorized persons only. Fuses for use by authorized persons according to the following fuse systems also comply with the requirements of the subclauses of IEC 60269-1, unless otherwise defined in this standard.

Keel en

Asendab EVS-EN 60269-2:2001; EVS-EN 60269-2:2001/A2:2003; EVS-HD 60269-2-1:2006

Asendatud EVS-HD 60269-2:2010

**EVS-HD 60269-3:2007**

Identne HD 60269-3:2007  
ja identne IEC 60269-3:2006 (Modified)

**Madalpingelised sulavkaitsmed. Osa 3: Lisanõuded tavaisikute poolt (peamiselt majapidamises ja muudel taolistel rakendustel) kasutamiseks ettenähtud kaitsmetele. 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; EVS-EN 60269-3:2001/A1:2004; EVS-HD 60269-3-1:2005

Asendatud EVS-HD 60269-3:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 60809:2006/FprA5**

Identne EN 60809:1996/FprA5:2010  
ja identne IEC 60809:1995/A5:201X  
Tähtaeg 30.12.2010

#### **Lamps for road vehicles - Dimensional, electrical and luminous requirements**

Covers filament lamps to be used in headlamps, fog-lamps and signalling lamps for road vehicles and specifies the technical requirements with methods of test and basic interchangeability (dimensional, electrical and luminous). It applies to those filament lamps which may be the subject of legislation. In particular, it covers those filament lamps contained in Regulation No. 37 of the Geneva agreement of 20 March 1958 of the United Nations Economic Commission for Europe (ECE) concerning the adoption of uniform conditions of approval and reciprocal recognition of approval for motor vehicle equipment and parts.

Keel en

### **EN 62031:2008/FprA1**

Identne EN 62031:2008/FprA1:2010  
ja identne IEC 62031:2008/A1:201X  
Tähtaeg 30.12.2010

#### **Üldvalgustuse valgusdiodmoodulid. Ohutusnõuded**

This International Standard specifies general and safety requirements for light-emitting diode (LED) modules: - LED modules without integral control gear for operation under constant voltage, constant current or constant power; - self-ballasted LED modules for use on d.c. supplies up to 250 V or a.c. supplies up to 1 000 V at 50 Hz or 60 Hz.

Keel en

### **FprEN 50122-1:2010/FprAA**

Identne FprEN 50122-1:2010/FprAA:2010  
Tähtaeg 30.12.2010

#### **Railway applications - Fixed installations - Electrical safety, earthing and the return circuit - Part 1: Protective provisions against electric shock**

This European Standard specifies requirements for the protective provisions relating to electrical safety in fixed installations associated with a.c. and/or d.c. traction systems and to any installations that may be endangered by the traction power supply system. It also applies to all aspects of fixed installations that are necessary to ensure electrical safety during maintenance work within electric traction systems. This European Standard applies to all new lines and to all major revisions to existing lines for the following electric traction systems: – railways; – guided mass transport systems such as: – tramways, – elevated and underground railways, – mountain railways, – trolleybus systems and – magnetic levitated systems; – material transportation systems.

Keel en

### **FprEN 60099-5**

Identne FprEN 60099-5:2010  
ja identne IEC 60099-5:201X  
Tähtaeg 30.12.2010

#### **Liigpingepiirikud. Osa 5: Valik ja kasutamissoovitused**

This part of IEC 60099 is not a mandatory standard but provides information, guidance, and recommendations for the selection and application of surge arresters to be used in three phase systems with nominal voltages above 1 kV. It applies to gapless metal-oxide surge arresters as defined in IEC 60099-4, to surge arresters containing both series and parallel gapped structure – rated 52 kV and less as defined in IEC 60099-6 and metal-oxide surge arresters with external series gap for overhead transmission and distribution lines (EGLA) as defined in IEC 60099-8. Annex G covers the application of earlier gapped type surge arresters according to 60099-1.

Keel en

Asendab EVS-EN 60099-5:2004

### **FprEN 61915-2**

Identne FprEN 61915-2:2010  
ja identne IEC 61915-2:201X  
Tähtaeg 30.12.2010

#### **Low-voltage switchgear and controlgear - Device profiles for networked industrial devices - Part 2: Root device profiles for starters and similar equipment**

This Standard specifies root device profile(s) as defined by IEC 61915-1 for starters and similar equipment covered by the following product standards: - Electromechanical contactors and motor-starters (IEC 60947-4-1), - AC semiconductor motor controllers and starters (IEC 60947-4-2) - AC semiconductor controllers and contactors for non-motor loads (IEC 60947-4-3), - Control and protective switching devices (or equipment) (CPS) (IEC 60947-6-2), - Control units for built-in thermal protection (PTC) for rotating electrical machines (IEC 60947-8).

Keel en

### **FprEN 62305-1:2010/FprAA**

Identne FprEN 62305-1:2010/FprAA:2010  
Tähtaeg 30.12.2010

#### **Piksekaitse. Osa 1: Üldpõhimõtted**

This part of IEC 62305 provides general principles to be followed for protection of structures against lightning, including their installations and contents, as well as persons. The following cases are outside the scope of this standard: - railway systems; - vehicles, ships, aircraft, offshore installations; - underground high pressure pipelines; - pipe, power and telecommunication lines placed outside the structure.

Keel en

### **FprEN 62305-2:2010/FprAA**

Identne FprEN 62305-2:2010/FprAA:2010  
Tähtaeg 30.12.2010

#### **Piksekaitse. Osa 2: Riskianalüüs**

This part of IEC 62305 is applicable to risk assessment for a structure due to lightning flashes to earth. Its purpose is to provide a procedure for the evaluation of such a risk. Once an upper tolerable limit for the risk has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit.

Keel en

#### **FprEN 62305-4:2010/FprAA**

Identne FprEN 62305-4:2010/FprAA:2010

Tähtaeg 30.12.2010

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

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

Keel en

#### **FprHD 60364-7-715**

Identne FprHD 60364-7-715:2010

ja identne IEC 60364-7-715:201X

Tähtaeg 30.12.2010

#### **Ehitiste elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja paikadele. Väikepingelised valgustuspaigaldised**

The particular requirements of this part of IEC 60364 apply to the selection and erection of extra-low-voltage lighting installations supplied from sources with a maximum rated voltage of 50V a.c. or 120 V d.c

Keel en

Asendab EVS-HD 60364-7-715:2005

#### **prEN ISO 29461-1**

Identne prEN ISO 29461-1:2010

ja identne ISO/DIS 29461-1:2010

Tähtaeg 30.12.2010

#### **Air intake filter systems for rotary machinery - Test methods - Part 1: Static filter elements**

This standard covers methods on how to test air filters and air filter intake systems for rotary machinery like gas turbines, compressors and for stationary internal combustion engines against particle contamination. The envelope for testing is in the range of 0,25 m<sup>3</sup> s (900 m<sup>3</sup> h) up to 1,67 m<sup>3</sup> s (6000 m<sup>3</sup> h). This international standard applies to air filters having an initial efficiency up to 99,5% with respect to 0,4 µm particles. Filters in the higher end and above 99,95% initial efficiency are tested and classified according to other standards. This part (part 1) of the standard refers to static (barrier) filter systems but can be applied to other filter types and systems when applicable. Two methods of determining the efficiency are used in this standard: - Particle efficiency (efficiency measured in respect to particle number and size) - Gravimetric efficiency (The weighted mass removal of loading dust). Also a flat sheet media sample or media pack sample - from an identically - filter shall be conditioned (discharged) to provide information about the intensity of the electrostatic removal mechanism. After determination of its initial efficiency the untreated filter is loaded with dust in steps until its final test pressure drop is reached. Information on the loaded performance of the filter is then obtained. The performance results obtained in accordance with this standard cannot be quantitatively applied (by themselves) to predict performance in service with regard to efficiency and lifetime. Other factors influencing performance to be taken into account are described in Annex A, D (normative) and Annex B, C (informative).

Keel en

## **31 ELEKTROONIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 60603-7-4:2010**

Hind 124,00

Identne EN 60603-7-4:2010

ja identne IEC 60603-7-4:2010

#### **Connectors for electronic equipment - Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz**

This part of IEC 60603 covers 8-way, unshielded, free and fixed connectors, references dimensional, mechanical, electrical and environmental characteristics and tests in IEC 60603-7, and specifies 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. These connectors are intermateable and interoperable with other IEC 60603-7 series connectors as defined in Clause 2 of IEC 60603-7. These connectors are backward compatible with other IEC 60603-7 series connectors.

Keel en

Asendab EVS-EN 60603-7-4:2005

**EVS-EN 60384-26:2010**

Hind 198,00

Identne EN 60384-26:2010

ja identne IEC 60384-26:2010

**Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte**

This part of IEC 60384 is applicable to aluminium electrolytic capacitors with conductive polymer solid electrolyte primarily intended for d.c. applications for use in electronic equipment.

Keel en

**EVS-EN 60384-26-1:2010**

Hind 145,00

Identne EN 60384-26-1:2010

ja identne IEC 60384-26-1:2010

**Fixed capacitors for use in electronic equipment - Part 26-1: Blank detail specification - Fixed aluminum electrolytic capacitors with conductive polymer solid electrolyte - Assessment level EZ**

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and layout and minimum content of detail specifications. Detail specifications not complying with these requirements may not be considered as being in accordance with IEC specification nor shall they so be described.

Keel en

**EVS-EN 60512-8-1:2010**

Hind 80,00

Identne EN 60512-8-1:2010

ja identne IEC 60512-8-1:2010

**Connectors for electronic equipment - Tests and measurements - Part 8-1: Static load tests (fixed connectors) - Test 8a: Static load, transverse**

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 standard is to detail a standard test method to assess the suitability of a fixed connector for use in applications where it may be subject to transverse stresses.

Keel en

**EVS-EN 60512-17-1:2010**

Hind 68,00

Identne EN 60512-17-1:2010

ja identne IEC 60512-17-1:2010

**Connectors for electronic equipment - Tests and measurements - Part 17-1: Cable clamping tests - Test 17a: Cable clamp robustness**

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 standard is to detail a standard test method to assess the ability of a cable-clamping device to withstand mechanical stresses likely to be encountered during normal usage.

Keel en

**EVS-EN 60512-17-3:2010**

Hind 80,00

Identne EN 60512-17-3:2010

ja identne IEC 60512-17-3:2010

**Connectors for electronic equipment - Tests and measurements - Part 17-3: Cable clamping tests - Test 17c: Cable clamp resistance to cable pull (tensile)**

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.

Keel en

**EVS-EN 60512-17-4:2010**

Hind 80,00

Identne EN 60512-17-4:2010

ja identne IEC 60512-17-4:2010

**Connectors for electronic equipment - Tests and measurements - Part 17-4: Cable clamping tests - Test 17d: Cable clamp resistance to cable torsion**

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.

Keel en

**EVS-EN 60512-20-1:2010**

Hind 80,00

Identne EN 60512-20-1:2010

ja identne IEC 60512-20-1:2010

**Connectors for electronic equipment - Tests and measurements - Part 20-1: Fire hazard tests - Test 20a: Flammability, needle-flame**

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 standard is to detail a standard method to determine the flammability of a connector when exposed to a needle-flame under specified conditions. The needle-flame test is intended to simulate the effect of small flames which may result from fault conditions within the equipment, i.e. the intensity of the ignition source used is of a similar order to that of an accidentally overheated or burning single electronic component.

Keel en

**EVS-EN 60512-20-3:2010**

Hind 80,00

Identne EN 60512-20-3:2010

ja identne IEC 60512-20-3:2010

**Connectors for electronic equipment - Tests and measurements - Part 20-3: Fire hazard tests - Test 20c: Flammability, glow-wire**

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 standard is to detail a standard test method to determine the flammability of a connector when exposed to a glow-wire test under specified conditions. The glow-wire test simulates thermal stresses which may be produced by such sources of heat or ignition as, for example, glowing elements or overloaded components, for short periods, in order to assess by a simulation technique the fire hazard or burning of a single electronic component.

Keel en

**EVS-EN 60512-21-1:2010**

Hind 68,00

Identne EN 60512-21-1:2010

ja identne IEC 60512-21-1:2010

**Connectors for electronic equipment - Tests and measurements - Part 21-1: R.F. resistance tests - Test 21a: R.F. shunt resistance**

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.

Keel en

**EVS-EN 60512-22-1:2010**

Hind 80,00

Identne EN 60512-22-1:2010

ja identne IEC 60512-22-1:2010

**Connectors for electronic equipment - Tests and measurements - Part 22-1: Capacitance tests - Test 22a: Capacitance**

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.

Keel en

**EVS-EN 60512-23-2:2010**

Hind 80,00

Identne EN 60512-23-2:2010

ja identne IEC 60512-23-2:2010

**Connectors for electronic equipment - Tests and measurements - Part 23-2: Screening and filtering tests - Test 23b: Suppression characteristics of integral filters**

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.

Keel en

**EVS-EN 60539-2:2004/A1:2010**

Hind 80,00

Identne EN 60539-2:2004/A1:2010

ja identne IEC 60539-2:2003/A1:2010

**Directly heated negative temperature coefficient thermistors - Part 2: Sectional specification - Surface mount negative temperature coefficient thermistors**

is applicable to surface mount directly heated negative temperature coefficient thermistors, typically made from transition metal oxide materials with semiconducting properties. These thermistors have metallized connecting pads or soldering strips and are intended to be mounted directly on to substrates for hybrid circuits or on to printed boards.

Keel en

**EVS-EN 60603-7-2:2010**

Hind 124,00

Identne EN 60603-7-2:2010

ja identne IEC 60603-7-2:2010

**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 covers 8-way, unshielded, free and fixed connectors, references dimensional, mechanical, electrical and environmental characteristics and tests in IEC 60603-7, and specifies 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 IS 11801. These connectors are intermateable and interoperable with other IEC 60603-7 series connectors as defined in Clause 2 of IEC 60603-7. These connectors are backward compatible with other IEC 60603-7 series connectors.

Keel en

Asendab EVS-EN 60603-7-2:2009

**EVS-EN 60603-7-3:2010**

Hind 124,00

Identne EN 60603-7-3:2010

ja identne IEC 60603-7-3:2010

**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, references dimensional, mechanical, electrical and environmental characteristics and tests in IEC 60603-7 and IEC 60603-7-1, and specifies 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. These connectors are intermateable and interoperable with other IEC 60603-7 series connectors as defined in Clause 2 of IEC 60603-7. These connectors are backward compatible with other IEC 60603-7 series connectors.

Keel en

Asendab EVS-EN 60603-7-3:2009

**EVS-EN 60603-7-5:2010**

Hind 124,00

Identne EN 60603-7-5:2010

ja identne IEC 60603-7-5:2010

**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 covers 8-way, shielded, free and fixed connectors and references dimensional, mechanical, electrical and environmental characteristics and tests in IEC 60603-7 and IEC 60603-7-1, and specifies 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. These connectors are intermateable and interoperable with other IEC 60603-7 series connectors as defined in Clause 2 of IEC 60603-7. These connectors are backward compatible with other IEC 60603-7 series connectors.

Keel en

Asendab EVS-EN 60603-7-5:2009

**EVS-EN 60603-7-7:2010**

Hind 188,00

Identne EN 60603-7-7:2010

ja identne IEC 60603-7-7:2010

**Connectors for electronic equipment Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors for data transmission with frequencies up to 600 MHz**

This part of IEC 60603 covers 8-way, shielded, free and fixed connectors, references dimensional, mechanical, electrical and environmental characteristics and tests in IEC 60603-7 and IEC 60603-7-1, and specifies electrical transmission requirements for frequencies up to 600 MHz. These connectors are typically used as category 7 connectors in class F cabling systems specified in ISO/IEC 11801. These connectors are interchangeable and interoperable with other IEC 60603-7 series connectors as defined in Clause 2 of IEC 60603-7-1,

Keel en

Asendab EVS-EN 60603-7-7:2006

**EVS-EN 60749-19:2003/A1:2010**

Hind 68,00

Identne EN 60749-19:2003/A1:2010

ja identne IEC 60749-19:2003/A1:2010

**Semiconductor devices - Mechanical and climatic test methods - Part 19: Die shear strength**

Determines the integrity of materials and procedures used to attach semiconductor die to package headers or other substrates. Generally only applicable to cavity packages or as a process monitor

Keel en

**EVS-EN 60749-32:2003/A1:2010**

Hind 68,00

Identne EN 60749-32:2003/A1:2010

ja identne IEC 60749-32:2002/A1:2010

**Semiconductor devices - Mechanical and climatic test methods - Part 32: Flammability of plastic-encapsulated devices (externally induced)**

Applicable to semiconductor devices (discrete devices and integrated circuits), this test determines whether the device ignites due to external heating. The test uses a needle flame, simulating the effect of small flames which may result from fault conditions within equipment containing the device

Keel en

**EVS-EN 60825-2:2004/A2:2010**

Hind 105,00

Identne EN 60825-2:2004/A2:2010

ja identne IEC 60825-2:2004/A2:2010

**Lasertoodete ohutus. Osa 2: Kiudoptiliste sidesüsteemide ohutus**

Provides requirements and specific guidance for the safe use of optical fibre and/or control communication systems where optical power may be accessible at great distance from the optical source. Does not apply to optical fibre systems primarily designed to transmit optical power for applications such as material processing or medical treatment.

Keel en

**EVS-EN 61076-3-115:2010**

Hind 178,00

Identne EN 61076-3-115:2010

ja identne IEC 61076-3-115:2009

**Connectors for electronic equipment - Product requirements - Part 3-115: Rectangular connectors - Detail specification for protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface - Variant 12 related to IEC 61076-3-106 - Push-pull type**

This part of IEC 61076 covers protective housings for upgrading existing 8-way shielded and unshielded connectors utilizing the interface described in IEC 60603-7-2, IEC 60603-7-3, IEC 60603-7-4, IEC 60603-7-5, and IEC 60603-7-7 to IP65 and IP67 ratings, according to IEC 60529, for use in industrial environments. The housings cover a variety of different locking mechanisms according to this standard and a variety of different mounting configurations and termination types which are detailed in IEC 60603-7. Common mating configurations for all variants are defined in IEC 60603-7. The mating dimensions for the housings under Clause 3 allow the mating conditions according to IEC 60603-7 to be fulfilled. The fully assembled variants (connectors) described in this standard incorporate fixed and free connectors which are fully compliant with IEC 60603-7.

Keel en

**EVS-EN 61076-3-118:2010**

Hind 188,00

Identne EN 61076-3-118:2010

ja identne IEC 61076-3-118:2010

**Connectors for electronic equipment - Product requirements - Part 3-118: Rectangular connectors - Detail specification for a 4 pole + PE power connector with push-pull coupling**

This part of IEC 61076 establishes specifications and test requirements for a connector with four contacts plus PE contact, for use in industrial environments. NOTE For a definition of PE, see IECV, for example IECV 195-02-09. This International Standard specifies free and fixed connectors, with round contacts, suitable for screw or crimp terminations. Other terminations techniques, as solder or printed board connections are upon agreement between manufacturer and user. The free and fixed connectors have a push-pull locking mechanism for IP65 and IP67 protection according to IEC 60529. The PE contact is first-make last-break. Connectors according to this International Standard are without breaking capacity COC according to IEC 61984, therefore they are not intended to be engaged or disengaged in normal use when live or under load, if not otherwise specified by the manufacturer.

Keel en



**EVS-EN 61190-1-3:2007/A1:2010**

Hind 114,00

Identne EN 61190-1-3:2007/A1:2010

ja identne IEC 61190-1-3:2007/A1:2010

**Attachment materials for electronic assembly - Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications**

This part of IEC 61190 prescribes the requirements and test methods for electronic grade solder alloys, for fluxed and non-fluxed bar, ribbon, powder solders and solder paste, for electronic soldering applications and for "special" electronic grade solders. For the generic specifications of solder alloys and fluxes, see ISO 9453, ISO 9454-1 and ISO 9454-2. This standard is a quality control document and is not intended to relate directly to the material's performance in the manufacturing process

Keel en

**EVS-EN 61975:2010**

Hind 295,00

Identne EN 61975:2010

ja identne IEC 61975:2010

**High-voltage direct current (HVDC) installations - System tests**

This International Standard applies to system tests for high-voltage direct current (HVDC) installations which consist of a sending terminal and a receiving terminal, each connected to an a.c. system. The tests specified in this standard are based on bidirectional and bipolar high-voltage direct current (HVDC) installations which consist of a sending terminal and a receiving terminal, each connected to an a.c. system. The test requirements and acceptance criteria should be agreed for back-to-back installations, while multi-terminal systems and voltage sourced converters are not included in this standard. For monopolar HVDC installations, the standard applies except for bipolar tests. For the special functions or performances that are claimed by specific projects, some extra test items not included in this standard should be added according to the technical specification requirements. This standard only serves as a guideline to system tests for high-voltage direct current (HVDC) installations. The standard gives potential users guidance, regarding how to plan commissioning activities. The tests described in the guide may not be applicable to all projects, but represent a range of possible tests which should be considered. Therefore, it is preferable that the project organization establishes the individual test program based on this standard and in advance assigns responsibilities for various tasks/tests between involved organisations (e.g. user, supplier, manufacturer, operator, purchaser etc.) for each specific project.

Keel en

**EVS-EN 62418:2010**

Hind 135,00

Identne EN 62418:2010

ja identne IEC 62418:2010

**Semiconductor devices - Metallization stress void test**

This International Standard describes a method of metallization stress void test and associated criteria. It is applicable to aluminium (Al) or copper (Cu) metallization. This standard is applicable for reliability investigation and qualification of semiconductor process.

Keel en

**EVS-EN 62490-1:2010**

Hind 114,00

Identne EN 62490-1:2010

ja identne IEC 62490-1:2010

**ESL measuring method - Part 1: Capacitors with lead terminal for use in electronic equipment**

This part of IEC 62490 provides the equivalent series inductance L (ESL) measuring method for capacitors with lead terminal type for use in electronic equipment. The inductance values of capacitors provided for this document are within the range of 1 nH to 10 nH.

Keel en

**EVS-EN 62490-2:2010**

Hind 188,00

Identne EN 62490-2:2010

ja identne IEC 62490-2:2010

**ESL measuring method - Part 2: Surface mount capacitors for use in electronic equipment**

This part of IEC 62490 provides the ESL measuring method for the surface mount capacitors for use in electronic equipment.

Keel en

**EVS-EN 140401-802:2007/A1:2010**

Hind 68,00

Identne EN 140401-802:2007/A1:2010

**Detail specification: Fixed low power film SMD resistors - Rectangular - Stability classes 1; 2**

Fixed low power non wire-wound chip resistors with rectangular base without leads for surface mounting. Style: RR. Electronic components of assessed quality in accordance with EN 60115:2002; EN 140400:200X; EN 140401:2002

Keel en

**EVS-EN 140401-803:2007/A1:2010**

Hind 68,00

Identne EN 140401-803:2007/A1:2010

**Detail specification: Fixed low power film SMD resistors - Cylindrical - Stability classes 0,05; 0,1; 0,25; 0,5; 1; 2**

Fixed low power non wire-wound surface mount resistors (SMD) cylindrical style: RC. Electronic components of assessed quality in accordance with EN 60115:201; EN 140400:200X; EN 140401:2002

Keel en

## **ASENDATUD VÕI TÛHISTATUD STANDARDID**

### **EVS-EN 60603-7-2:2009**

Identne EN 60603-7-2:2009

ja identne IEC 60603-7-2:2007

#### **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

Asendatud EVS-EN 60603-7-2:2010

### **EVS-EN 60603-7-3:2009**

Identne EN 60603-7-3:2009

ja identne IEC 60603-7-3:2008

#### **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

Asendatud EVS-EN 60603-7-3:2010

### **EVS-EN 60603-7-4:2005**

Identne EN 60603-7-4:2005

ja identne IEC 60603-7-4:2005

#### **Connectors for electronic equipment - Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz**

Covers 8-way unshielded free and fixed 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.

Keel en

Asendatud EVS-EN 60603-7-4:2010

### **EVS-EN 60603-7-5:2009**

Identne EN 60603-7-5:2009

ja identne IEC 60603-7-5:2007

#### **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

Asendatud EVS-EN 60603-7-5:2010

### **EVS-EN 60603-7-7:2006**

Identne EN 60603-7-7:2006

ja identne IEC 60603-7-7:2006

#### **Connectors for electronic equipment Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors for data transmission with frequencies up to 600 MHz**

This part of IEC 60603, which is part of the IEC 60603-7 series, covers 8 way connectors, up to 4 pairs, and specifies mechanical and environmental requirements, and electrical transmission requirements for frequencies up to 600 MHz. These connectors are typically used as category 7 connectors in class F cabling systems specified in ISO/IEC 11801:2002.

Keel en

Asendab EVS-EN 60603-7-7:2003

Asendatud EVS-EN 60603-7-7:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 62031:2008/FprA1**

Identne EN 62031:2008/FprA1:2010  
ja identne IEC 62031:2008/A1:201X  
Tähtaeg 30.12.2010

### **Üldvalgustuse valgusdiodmoodulid. Ohutusnõuded**

This International Standard specifies general and safety requirements for light-emitting diode (LED) modules: - LED modules without integral control gear for operation under constant voltage, constant current or constant power; - self-ballasted LED modules for use on d.c. supplies up to 250 V or a.c. supplies up to 1 000 V at 50 Hz or 60 Hz.

Keel en

### **FprEN 62276**

Identne FprEN 62276:2010  
ja identne IEC 62276:201X  
Tähtaeg 30.12.2010

### **Single Crystal Wafers for Surface Acoustic Wave (SAW) devices applications -Specification and measuring method**

This International Standard applies to the manufacture of synthetic quartz, lithium niobate (LN), lithium tantalate (LT), lithium tetraborate (LBO), and lanthanum gallium silicate (LGS) single crystal wafers intended for use as substrates in the manufacture of surface acoustic wave (SAW) filters and resonators.

Keel en

Asendab EVS-EN 62276:2006

### **FprHD 60364-7-714**

Identne FprHD 60364-7-714:2010  
ja identne IEC 60364-7-714:201X  
Tähtaeg 30.12.2010

### **Low-voltage electrical installations - Part 7-714: Requirements for special installations or locations - External lighting installations**

The particular requirements of this part of IEC 60364 apply to the selection and erection of luminaires and lighting installations forming part of an outdoor fixed installation. The origin of the external lighting installation is the supply delivery point of electrical energy by the supply authority or the origin of the circuit supplying the external lighting installation exclusively. The requirements apply to, for example, lighting installations for roads, parks, gardens, places open to the public, sporting areas, illumination of monuments, floodlighting, telephone kiosks, bus shelters, advertising panels, town plans, road signs. The requirements do not apply to: - public street-lighting installations which are part of the public power grid; - temporary festoon lighting; - road traffic signal systems; - luminaires which are fixed to the outside of a building and are supplied directly from the internal wiring of that building. For lighting installations for swimming pools and fountains, see IEC 60364-7-702.

Keel en

## **33 SIDETEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TR 61491:2010**

Hind 105,00  
Identne CLC/TR 61491:2010  
ja identne IEC/TR 61491:2010

#### **Electrical equipment of industrial machines - Serial data link for real-time communication between controls and drives**

This technical report presents an overview and guidance for IEC 61158, IEC 61784-1, IEC 61784-2 and IEC 61800-7 with respect to a real-time serial interface between the control unit and its associated devices, which is utilized to transmit periodic and non periodic data. This interface is intended to apply to industrial machines, such as machine tools, with multiple devices connected via this interface. This interface supports different operation modes.

Keel en

#### **EVS-EN 300 396-6 V1.4.1:2010**

Hind 243,00  
Identne EN 300 396-6 V1.4.1

#### **Terrestrial Trunked Radio (TETRA);Direct Mode Operation (DMO);Part 6: Security**

Keel en

#### **EVS-EN 300 468 V1.11.1:2010**

Hind 356,00  
Identne EN 300 468 V1.11.1

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

Keel en

#### **EVS-EN 300 296-2 V1.3.1:2010**

Hind 145,00  
Identne EN 300 296-2 V1.3.1

#### **Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Peamiselt analoogkõneks ette nähtud liitantenniga radioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhioüete alusel**

Keel en

**EVS-EN 50498:2010**

Hind 105,00

Identne EN 50498:2010

**Elektromagnetiline ühilduvus. Sõidukitele pärast müüki paigaldatavate elektroonikaseadmete tooteperekonnastandard**

This European Standard specifies limits and methods of measurement for disturbance emissions and immunity characteristics of aftermarket equipment (ESAs) which are referenced by Automotive EMC Directive 2004/104/EC, Annex I, 3.2.9, and which are not related to immunity-related functions of vehicles as defined in Automotive EMC Directive 2004/104/EC, Annex I, 2.1.12. Any equipment (or part of an ESA) which has a primary function of radio transmission and/or reception according to the ITU Radio Regulations are excluded from the scope of this publication. This European Standard covers the frequency range 9 kHz to 400 GHz. To date, it specifies limits and methods of measurement for conducted and radiated disturbances from ESAs in the frequency range 30 MHz to 1 GHz and immunity requirements for conducted transients. The assessment of an ESA needs to be performed only in the frequency ranges where limits are defined. The emission requirements have been selected so as to ensure that disturbances generated by ESAs operating normally do not exceed a level that could prevent the vehicle or apparatus external to the vehicle from operating as intended. Fault conditions are not taken into account. Not all disturbance phenomena have been included for testing purposes in this standard but only those considered as relevant for the equipment covered by this standard. As ESAs covered by this standard are not related to immunity-related function, only the following electromagnetic disturbance phenomena are evaluated: - broadband and narrowband radiated electromagnetic disturbances; - conducted transient disturbances; - conducted transient immunity. Accessories that are not connected directly to the vehicle harness, but only via a special interface are normally excluded from vehicular EMC requirements.

Keel en

**EVS-EN 55011:2009/A1:2010**

Identne EN 55011:2009/A1:2010

ja identne CISPR 11:2009/A1:2010

**Tööstus-, teadus- ja meditsiiniseadmed. Raadiosageduslike häiringute tunnussuurused. Piirväärtused ja mõõtemetodid**

This International Standard applies to industrial, scientific and medical electrical equipment operating in the frequency range 0 Hz to 400 GHz and to domestic and similar appliances designed to generate and/or use locally radio-frequency energy. This standard covers emission requirements related to radio-frequency (RF) disturbances in the frequency range of 9 kHz to 400 GHz. Measurements need only be performed in frequency ranges where limits are specified in Clause 6. For ISM RF applications in the meaning of the definition found in the ITU Radio Regulations (see Definition 3.1), this standard covers emission requirements related to radio-frequency disturbances in the frequency range of 9 kHz to 18 GHz. Requirements for ISM RF lighting apparatus and UV irradiators operating at frequencies within the ISM frequency bands defined by the ITU Radio Regulations are contained in this standard. Equipment covered by other CISPR product and product family emission standards are excluded from the scope of this standard.

Keel en

**EVS-EN 55020:2007/IS2:2010**

Hind 0,00

Identne EN 55020:2007/IS2:2010

**Raadioringhäälingu ja televisioonilevi vastuvõtjad ja kaasseadmed. Häiringukindluse tunnussuurused. Piirväärtused ja mõõtemetodid**

Keel en

**EVS-EN 60268-4:2010**

Hind 243,00

Identne EN 60268-4:2010

ja identne IEC 60268-4:2010

**Sound system equipment - Part 4: Microphones**

This part of IEC 60268 specifies methods of measurement for the electrical impedance, sensitivity, directional response pattern, dynamic range and external influences of sound system microphones, and also details the characteristics to be specified by the manufacturer. It applies to sound system microphones for all applications for speech and music. It does not apply to measurement microphones, but it does apply to each audio channel of microphones having more than one channel, for example for stereo or similar use. It is also applicable to flush-mounted microphones and to the analogue characteristics of microphones with digital audio output. For the purposes of this International Standard, a microphone includes all such devices as transformers, pre-amplifiers, or other elements that form an integral part of the microphone, up to the output terminals specified by the manufacturer.

Keel en

Asendab EVS-EN 60268-4:2004

**EVS-EN 60793-1-31:2010**

Hind 166,00

Identne EN 60793-1-31:2010

ja identne IEC 60793-1-31:2010

**Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength**

This part of IEC 60793 provides values of the tensile strength of optical fibre samples and establishes uniform requirements for the mechanical characteristic – tensile strength. The method tests individual lengths of uncabled and unbundled glass optical fibre. Sections of fibre are broken with controlled increasing stress or strain that is uniform over the entire fibre length and cross section. The stress or strain is increased at a nominally constant rate until breakage occurs. The distribution of the tensile strength values of a given fibre strongly depends on the sample length, loading velocity and environmental conditions. The test can be used for inspection where statistical data on fibre strength is required. Results are reported by means of statistical quality control distribution. Normally the test is carried out after temperature and humidity conditioning of the sample. However, in some cases, it may be sufficient to measure the values at ambient temperature and humidity conditions. This method is applicable to types A1, A2, A3, B and C optical fibres. Warning - This test involves stretching sections of optical fibre until breakage occurs. Upon breakage, glass fragments can be distributed in the test area. Protective screens are recommended. Safety glasses should be worn at all times in the testing area.

Keel en

Asendab EVS-EN 60793-1-31:2003

**EVS-EN 60793-1-32:2010**

Hind 105,00

Identne EN 60793-1-32:2010

ja identne IEC 60793-1-32:2010

**Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability**

This part of IEC 60793 is intended primarily for testing either fibres as produced by a fibre manufacturer or subsequently overcoated (tight buffered) using various polymers. The test can be performed either on fibres as produced or after exposure to various environments. This test applies to A1, A2, A3, B and C fibres. The object of this standard is to establish uniform requirements for the mechanical characteristic – coating strippability. This test quantifies the force required to mechanically remove the protective coating from optical fibres along their longitudinal axis. This test is not intended as a means to maximize fibre strength after the coating is removed nor is it intended to specify the best conditions for field stripping of optical fibres. This test is designed for optical fibres having polymeric coatings with nominal outer diameters in the range of 240 µm to 900 µm. Application of this method to fibres with outer coating diameters outside the range of 230 µm to 930 µm is not recommended. Warning – Fibres can fracture while being stripped and pierce skin and eyes. Use of protective eyewear is recommended.

Keel en

Asendab EVS-EN 60793-1-32:2004

**EVS-EN 60793-1-41:2010**

Hind 188,00

Identne EN 60793-1-41:2010

ja identne IEC 60793-1-41:2010

**Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth**

This part of IEC 60793 describes three methods for determining and measuring the modal bandwidth of multimode optical fibres (see IEC 60793-2-10, IEC 60793-30 series and IEC 60793-40 series). The baseband frequency response is directly measured in the frequency domain by determining the fibre response to a sinusoidally modulated light source. The baseband response can also be measured by observing the broadening of a narrow pulse of light. The calculated response is determined using differential mode delay (DMD) data. The three methods are: - Method A - Time domain (pulse distortion) measurement - Method B - Frequency-domain measurement - Method C - Overfilled launch modal bandwidth calculated from differential mode delay (OMBc) Methods A and B can be performed using one of two launches: an overfilled launch (OFL) condition or a restricted mode launch (RML) condition. Method C is only defined for A1a.2 (and A1a.3 in preparation) multimode fibre and uses a weighted summation of DMD launch responses with the weights corresponding to an overfilled launch condition. The relevant test method and launch condition should be chosen according to the type of fibre.

Keel en

Asendab EVS-EN 60793-1-41:2004

**EVS-EN 60794-3-11:2010**

Hind 188,00

Identne EN 60794-3-11:2010

ja identne IEC 60794-3-11:2010

**Optical fibre cables - Part 3-11: Outdoor cables - Product specification for duct, directly buried and lashed aerial single-mode optical fibre telecommunication cables**

This part of IEC 60794 sets forth technical requirements and characteristics of single-mode optical fibre cables for duct and direct buried installation. This specification includes functional mechanical, environmental and optical requirements, recommended features and test methods for assessing the product against the stated requirements. The specified test methods, where applicable, are those referenced in IEC 60794-1-1 and described in detail in IEC 60794-1-2. The requirements of this specification supplement those of IEC 60794-3 and IEC 60794-3-10 Multimode fibre requirements are not addressed in this standard; see IEC 60794-3-12.

Keel en

**EVS-EN 60825-2:2004/A2:2010**

Hind 105,00

Identne EN 60825-2:2004/A2:2010

ja identne IEC 60825-2:2004/A2:2010

**Lasertoodete ohutus. Osa 2: Kiudoptiliste sidesüsteemide ohutus**

Provides requirements and specific guidance for the safe use of optical fibre and/or control communication systems where optical power may be accessible at great distance from the optical source. Does not apply to optical fibre systems primarily designed to transmit optical power for applications such as material processing or medical treatment.

Keel en

**EVS-EN 60875-1:2010**

Hind 178,00

Identne EN 60875-1:2010

ja identne IEC 60875-1:2010

**Fibre optic interconnecting devices and passive components - Non-wavelength- selective fibre optic branching devices - Part 1: Generic specification**

This part of IEC 60875 applies to non-wavelength-selective fibre optic branching devices, all exhibiting the following features: - they are passive, in that they contain no optoelectronic or other transducing elements; - they have three or more ports for the entry and/or exit of optical power, and share optical power among these ports in a predetermined fashion; - the ports are optical fibres, or optical fibre connectors. This standard establishes uniform requirements for the optical, mechanical and environmental properties.

Keel en

Asendab EVS-EN 60875-1:2002

**EVS-EN 61000-4-3:2006/A2:2010**

Hind 92,00

Identne EN 61000-4-3:2006/A2:2010

ja identne IEC 61000-4-3:2006/A2:2010

**Elektromagnetiline ühilduvus. Osa 4-3: Katsetus- ja mõõtetehnika. Häiringukindluskatsetus kiirgunud raadiosagedusliku elektromagnetvälja korral**

This part of IEC 61000 is applicable to the immunity requirements of electrical and electronic equipment to radiated electromagnetic energy. It establishes test levels and the required test procedures.

Keel en

**EVS-EN 61000-4-18:2007/A1:2010**

Hind 68,00

Identne EN 61000-4-18:2007/A1:2010

ja identne IEC 61000-4-18:2006/A1:2010

**Elektromagnetiline ühilduvus. Osa 4-18: Katsetus- ja mõõtetehnika. Sumbuva võnkeline häirigukindluse katsetamine**

This part of IEC 61000-4 relates to the immunity requirements and test methods for electrical and electronic equipment, under operational conditions, with regard to: a) repetitive damped oscillatory waves occurring mainly in power, control and signal cables installed in high voltage and medium voltage (HV/MV) substations; b) repetitive damped oscillatory waves occurring mainly in power, control and signal cables installed in gas insulated substations (GIS) and in some cases also air insulated substations (AIS) or in any installation due to HEMP phenomena.

Keel en

**EVS-EN 61300-2-24:2010**

Hind 124,00

Identne EN 61300-2-24:2010

ja identne IEC 61300-2-24:2010

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-24: Tests - Screen testing of ceramic alignment split sleeve by stress application**

The purpose of this part of IEC 61300 is to identify weaknesses in a ceramic alignment split sleeve which could lead to early failure of the component.

Keel en

Asendab EVS-EN 61300-2-24:2002

**EVS-EN 61753-121-2:2010**

Hind 166,00

Identne EN 61753-121-2:2010

ja identne IEC 61753-121-2:2010

**Fibre optic interconnecting devices and passive components - Performance standards - Part 121-2: Simplex and duplex cords with singlemode fibre and cylindrical ferrule connectors for category C - Controlled environment**

This part of IEC 61753 specifies the test requirements for finished cable assemblies for use as patchcords, work area cords and equipment cords for applications in a controlled (C) environment according to IEC 61753-1, where the connectors already comply, with the Category C requirements of IEC 61753-1. The assemblies consist of simplex or duplex fibre optic cable terminated at each end of the cable with non-angled (PC) or angled (APC) polished single-mode fibre optic connectors with cylindrical ferrules. The wavelength of operation is between 1 260 nm and 1 625 nm. The relevant requirements for mechanical and optical connectivity systems are covered by mechanical and optical interface standards IEC 61754 series and IEC 61755 series respectively. The relevant requirements for connector sets are covered by IEC 61753 series. The relevant requirements for cable are covered by IEC 60794-2-50.

Keel en

**EVS-EN 61753-121-3:2010**

Hind 178,00

Identne EN 61753-121-3:2010

ja identne IEC 61753-121-3:2010

**Fibre optic interconnecting devices and passive components - Performance standard - Part 121-3: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category U - Uncontrolled environment**

This part of IEC 61753 specifies the test requirements for finished cable assemblies for use as patchcords, work area cords and equipment cords for applications in a uncontrolled (U) environment according to IEC 61753-1, where the connectors already comply with the Category U requirements of IEC 61753-1. The assemblies consist of simplex or duplex fibre optic cable terminated at each end of the cable with non-angled (PC) or angled (APC) polished single-mode fibre optic connectors with cylindrical ferrules. The wavelength of operation is between 1 260 nm and 1 625 nm. The relevant requirements for mechanical and optical connectivity systems are covered by mechanical and optical interface standards IEC 61754 series and IEC 61755 series respectively. The relevant requirements for connector sets are covered by IEC 61753 series. The relevant requirements for cable are covered by IEC 60794-2-50.

Keel en

**EVS-EN 61935-2:2010**

Hind 188,00

Identne EN 61935-2:2010

ja identne IEC 61935-2:2010

**Specification for the testing of balanced and coaxial information technology cabling - Part 2: Cords as specified in ISO/IEC 11801 and related standards**

This International Standard provides methods to ensure compatibility of balanced cords to be used in cabling according to ISO/IEC 11801 and provides test methods and associated requirements to demonstrate the performance and reliability of these balanced cords during their operational lifetime. This International Standard may also be used for providing test methods for assessing the behaviour of other balanced cords.

Keel en

Asendab EVS-EN 61935-2:2006

**EVS-EN 61968-11:2010**

Hind 377,00

Identne EN 61968-11:2010

ja identne IEC 61968-11:2010

**Application integration at electric utilities - System interfaces for distribution management - Part 11: Common Information Model (CIM) extensions for distribution**

This International Standard specifies the distribution extensions of the Common Information Model (CIM) specified in IEC 61970-301. It defines a standard set of extensions of common information model (CIM), which support message definitions in Parts 3 to 9 of IEC 61968, IEC 61968-13 and IEC 61968-141). The scope of this document is the information model that extends the base CIM for the needs of distribution networks, as well as for integration with enterprise-wide information systems typically used within electrical utilities. The information model is defined in UML which is platform-independent and electronically processable language that is then used to create message payload definitions in different required formats. In this way, this standard will not be impacted by the specification, development and/or deployment of next generation infrastructures, either through the use of standards or proprietary means.

Keel en

**EVS-EN 62514:2010**

Hind 256,00

Identne EN 62514:2010

ja identne IEC 62514:2010

**Multimedia gateway in home networks - Guidelines**

This International Standard describes the general guidelines for typical applications of the home multimedia gateway in home networks supporting IP networking. This standard specifies recommended functions and services to be supported by the home multimedia gateway and, where appropriate, refers to existing standards supported in the market. For general requirements, it is expected that widely adopted standards and technologies will be considered by implementers. This standard gives supplementary application to IEC 62481, which specifies a central management model in home network supporting various interfaces in LAN side and WAN side (optional). This standard is applicable to home multimedia gateways in the home network or networks of similar environment.

Keel en

**EVS-EN 62537:2010**

Hind 178,00

Identne EN 62537:2010

ja identne IEC 62537:2010

**Interface for loudspeakers with digital input signals based on IEC 60958**

This International Standard specifies the requirements for a digital loudspeaker interface based on the IEC 60958 series of standards and the MIDI specification. It maximizes flexibility and value by combining these previously separate standards. Together, the two standards provide a simple and flexible digital interface for loudspeakers. Examples for applications of the interface can be found in Annex C of this standard.

Keel en

**EVS-EN 300 086-1 V1.4.1:2010**

Hind 256,00

Identne EN 300 086-1 V1.4.1

**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

**EVS-EN 300 086-2 V1.3.1:2010**

Hind 145,00

Identne EN 300 086-2 V1.3.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Eeskätt analoogkõne jaoks mõeldud kõrgsagedusliku sise- või välisühendusega raadioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel**

Keel en

**EVS-EN 300 175-2 V2.3.1:2010**

Hind 271,00

Identne EN 300 175-2 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer (PHL)**

Keel en

**EVS-EN 300 175-3 V2.3.1:2010**

Hind 473,00

Identne EN 300 175-3 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer**

Keel en

**EVS-EN 300 175-4 V2.3.1:2010**

Hind 377,00

Identne EN 300 175-4 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer**

Keel en

**EVS-EN 300 175-5 V2.3.1:2010**

Hind 442,00

Identne EN 300 175-5 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer**

Keel en

**EVS-EN 300 175-6 V2.3.1:2010**

Hind 229,00

Identne EN 300 175-6 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing**

Keel en

**EVS-EN 300 175-7 V2.3.1:2010**

Hind 336,00

Identne EN 300 175-7 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features**

Keel en

**EVS-EN 300 175-8 V2.3.1:2010**

Hind 356,00

Identne EN 300 175-8 V2.3.1

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech and audio coding and**

Keel en

**EVS-EN 300 296-1 V1.3.1:2010**

Hind 256,00

Identne EN 300 296-1 V1.3.1

**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

**EVS-EN 300 392-5 V2.2.1:2010**

Hind 442,00

Identne EN 300 392-5 V2.2.1

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D) and Direct Mode Operation (DMO); Part 5: Peripheral Equipment Interface (PEI)**

Keel en

**EVS-EN 300 392-2 V3.4.1:2010**

Hind 725,00

Identne EN 300 392-2 V3.4.1

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface (AI)**

Addition of voice services on QAM channels in TETRA standard EN300392-2 to provide evolution path for voice following completion of Direct Access work for data channels.

Keel en

**EVS-EN 300 392-7 V3.2.1:2010**

Hind 394,00

Identne EN 300 392-7 V3.2.1

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 7: Security**

Keel en

**EVS-EN 300 392-12-4 V1.2.1:2010**

Hind 336,00

Identne EN 300 392-12-4 V1.2.1

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 12: Supplementary services stage 3; Sub-part 4: Call Forwarding (CF)**

Keel en

**EVS-EN 300 392-12-8 V1.2.1:2010**

Hind 336,00

Identne EN 300 392-12-8 V1.2.1

**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 12: Supplementary services stage 3; Sub-part 8: Area Selection (AS)**

Keel en

**EVS-EN 300 392-3-5 V1.4.1:2010**

Hind 559,00

Identne EN 300 392-3-5 V1.4.1

**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

**EVS-EN 300 444 V2.1.1:2010**

Hind 356,00

Identne EN 300 444 V2.1.1

**Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP)**

Keel en

**EVS-EN 300 676-1 V1.5.1:2010**

Hind 229,00

Identne EN 300 676-1 V1.5.1

**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

**EVS-EN 300 676-2 V1.4.1:2010**

Hind 145,00

Identne EN 300 676-2 V1.4.1

**VHF raadiosagedusala liikuva lennuse teenistuse maapealsed kaasaskantavad, liikuvad ja kohtkindlalt paigaldatavad amplituudmodulatsiooniga raadiosaatjad, vastuvõtjad ja transiiverid. Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhiolemuse alusel**

Keel en

**EVS-EN 301 025-1 V1.4.1:2010**

Hind 271,00

Identne EN 301 025-1 V1.4.1

**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

**EVS-EN 301 841-1 V1.3.1:2010**

Hind 256,00

Identne EN 301 841-1 V1.3.1

**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

**EVS-EN 302 217-2-2 V1.4.1:2010**

Hind 315,00

Identne EN 302 217-2-2 V1.4.1

**Paiksed raadiosüsteemid; Raadioliinide seadmete ja antennide karakteristikud ja nõuded; Osa 2-2: Koordineeritavas raadiosagedusalades töötavad digitaalsüsteemid; Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhiolemuse alusel**

Keel en

**EVS-EN 302 645 V1.1.1:2010**

Hind 198,00

Identne EN 302 645 V1.1.1

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed (SRD); Ülemaailmse kosmoseside navigatsioonisüsteemi (GNSS) repiiterid; Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhiolemuse alusel**

Keel en



**EVS-EN 302 769 V1.1.1:2010**

Hind 336,00

Identne EN 302 769 V1.1.1

**Digital Video Broadcasting (DVB);Frame structure channel coding and modulation for a second generation digital transmission system for cable systems (DVB-C2)**

Keel en

**EVS-EN 303 212 V1.1.1:2010**

Hind 256,00

Identne EN 303 212 V1.1.1

**Airport Collaborative Decision Making (A-CDM);Community Specification for application under the Single European Sky Interoperability Regulation EC**

Keel en

**EVS-EN 303 213-1 V1.2.1:2010**

Hind 219,00

Identne EN 303 213-1 V1.2.1

**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

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 60268-4:2004**

Identne EN 60268-4:2004

ja identne IEC 60268-4:2004

**Sound system equipment - Part 4: Microphones**

Specifies methods of measurement for the electrical impedance, sensitivity, directional response pattern, dynamic range and external influences of sound system microphones, and also gives recommendations as to characteristics to be specified. It applies to sound system microphones for all applications for speech and music.

Keel en

Asendab EVS-EN 60268-4:2002

Asendatud EVS-EN 60268-4:2010

**EVS-EN 60793-1-31:2003**

Identne EN 60793-1-31:2002

ja identne IEC 60793-1-31:2001

**Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength**

Provides values of the tensile strength of optical fibre samples. Tensile strength values depend on the sample length, loading velocity and environmental conditions. The test can be used for inspection where statistical data on fibre strength is required. Results are reported by means of statistical quality control distribution.

Keel en

Asendatud EVS-EN 60793-1-31:2010

**EVS-EN 60793-1-32:2004**

Identne EN 60793-1-32:2003

ja identne IEC 60793-1-32:2001

**Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability**

Establishes uniform requirements for coating strippability. This test quantifies the force required to mechanically remove the protective coating from optical fibres along their longitudinal axis. The test is for fibres having polymeric coatings (or tight buffered) with nominal diameters in the range of 250 to 900 microns.

Keel en

Asendab EVS-EN 188000:2002

Asendatud EVS-EN 60793-1-32:2010

**EVS-EN 60793-1-41:2004**

Identne EN 60793-1-41:2003

ja identne IEC 60793-1-41:2003

**Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth**

Describes two methods for determining and measuring the modal bandwidth of multi-mode optical fibres (see IEC 60793-2-10, IEC 60793-2-30 and IEC 60793-2-40). The baseband frequency response is directly measured in the frequency domain by determining the fibre response to a sinusoidally modulated light source, it can also be measured by observing the broadening of a narrow pulse of light. Method A - Optical time domain measurement method (pulse distortion). Method 2 - Frequency domain measurement method. Each method can be performed using one of two launches: an overfilled launch (OFL) condition or a restricted mode launch (RML) condition.

Keel en

Asendab EVS-EN 60793-1-41:2003

Asendatud EVS-EN 60793-1-41:2010

**EVS-EN 60875-1:2002**

Identne EN 60875-1:2001

ja identne IEC 60875-1:2000

**Non-wavelength-selective fibre optic branching devices - Part 1: Generic specification**

Applicable to non-wavelength-selective fibre optic branching devices which are passive (they contain no optoelectronic or other transducing elements) and have three or more ports for the entry and/or exit of optical power which is shared among these ports in a predetermined fashion.

Keel en

Asendatud EVS-EN 60875-1:2010

**EVS-EN 61300-2-24:2002**

Identne EN 61300-2-24:2000

ja identne IEC 61300-2-24:1999

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-24: Tests - Screen testing of ceramic alignment split sleeve by stress application**

Identifies weaknesses in a ceramic alignment split sleeve which could lead to early failure of the component.

Keel en

Asendatud EVS-EN 61300-2-24:2010

#### **EVS-EN 61935-2:2006**

Identne EN 61935-2:2005

ja identne IEC 61935-2:2005

#### **Testing of balanced communication cabling in accordance with standards series EN 50173 Part 2: Patch cords and work area cords**

provides methods to ensure the compatibility of modular plug cords to be used in cabling according to ISO/IEC 11801 and provides test methods and associated requirements to demonstrate the performance and reliability of these cords during their operational lifetime.

Keel en

Asendab EVS-EN 61935-2:2004

Asendatud EVS-EN 61935-2:2010

#### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 300 175-1 V2.3.1**

Identne EN 300 175-1 V2.3.1

Tähtaeg 30.12.2010

#### **Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview**

Update the standard to include new functions defined for NG DECT.

Keel en

#### **EN 300 386 V1.5.1**

Identne EN 300 386 V1.5.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements**

Include the emission requirements up to 6GHz in line with the EN55022 A1/2007 and update the reference basic standards

Keel en

#### **EN 300 392-9 V1.4.1**

Identne EN 300 392-9 V1.4.1

Tähtaeg 30.12.2010

#### **Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 9: General requirements for supplementary services**

Correction of editorial mistakes and inclusion of approved CRs, if any.

Keel en

#### **EN 300 392-3-1 V1.3.1**

Identne EN 300 392-3-1 V1.3.1

Tähtaeg 30.12.2010

#### **Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 1: General design**

Inclusion of Change Requests

Keel en

#### **EN 300 392-3-2 V1.4.1**

Identne EN 300 392-3-2 V1.4.1

Tähtaeg 30.12.2010

#### **Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 2: Additional Network Feature Individual Call (ANF-ISIIC)**

Inclusion of Change Requests

Keel en

#### **EN 300 392-3-4 V1.3.1**

Identne EN 300 392-3-4 V1.3.1

Tähtaeg 30.12.2010

#### **Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 3: Interworking at the Inter-System Interface (ISI); Sub-part 4: Additional Network Feature Short Data Service (ANF-ISISDS)**

Inclusion of Change Requests.

Keel en

#### **EN 300 440-1 V1.6.1**

Identne EN 300 440-1 V1.6.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods**

of Application In response to the R&TTE-CA query (document ERM\_39\_40\_39 ), EN 300 440-1 will be slightly revised in order to clarify which is the appropriate detector to be used for measuring spurious emissions. The following parameters will also be modified: ♦for carrier frequencies above 20 GHz, in measurements of unwanted emissions in the spurious domain and spurious emissions, the upper frequency of the measurements will be consistent with the market actual commonly available measuring receivers. the upper limit of the calibration of the shielded RF anechoic chamber will be brought in line with the above bullet point's upper frequency measurement.

Keel en

#### **EN 300 440-2 V1.4.1**

Identne EN 300 440-2 V1.4.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

In response to the R&TTE-CA query (document ERM\_39\_40\_39 ), EN 300 440-2 will be slightly revised in order to clarify which is the appropriate detector to be used for measuring spurious emissions. The following parameters will also be modified: for carrier frequencies above 20 GHz, in measurements of unwanted emissions in the spurious domain and spurious emissions, the upper frequency of the measurements will be consistent with the market actual commonly available measuring receiver the upper limit of the calibration of the shielded RF anechoic chamber will be brought in line with the above bullet point's upper frequency measurement. Amendments to bring Part 2 in line with Part 1 will be done as relevant.

Keel en

#### **EN 300 609-4 V9.2.1**

Identne EN 300 609-4 V9.2.1

Tähtaeg 30.12.2010

#### **Global System for Mobile communications (GSM); Part 4: Harmonized EN for GSM Repeaters covering the essential requirements of article 3.2 of the R&TTE Directive**

Update the Repeater Harmonized Standard in particular according to the latest version of ETSI TS 151.026 (3GPP TS 51.026) and take into account the latest template of the Harmonized Standard

Keel en

#### **EN 301 025-2 V1.4.1**

Identne EN 301 025-2 V1.4.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC); Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

of Application The present document covers the minimum requirements for general communication for shipborne fixed installations using a VHF radiotelephone operating in certain frequency bands allocated to the maritime mobile service using both 25 kHz and 12,5 kHz channels with associated equipment for DSC - class D. The present document is intended to cover the provisions of Directive 1999/5/EC [1] (R&TTE Directive) Article 3.2, which states that " radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference". In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of Article 3 of the R&TTE Directive [1] may apply to equipment within the scope of the present document.

Keel en

#### **EN 301 025-3 V1.4.1**

Identne EN 301 025-3 V1.4.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM);VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC);Part 3: Harmonized EN covering the essential requirements of article 3.3(e) of the R&TTE Directive**

The present document covers the minimum requirements for general communication for shipborne fixed installations using a VHF radiotelephone operating in certain frequency bands allocated to the maritime mobile service using both 25 kHz and 12,5 kHz channels with associated equipment for DSC - class D. The present document is intended to cover the provisions of Directive 1999/5/EC [1] (R&TTE Directive) article 3.3 (e), which states that radio equipment within the scope of the present document shall be so constructed that: "it supports certain features ensuring access to emergency services". In addition to the present document, other ENs that specify technical requirements in respect of essential requirements under other parts of article 3 of the R&TTE Directive [1] will apply to equipment within the scope of the present document

Keel en

#### **EN 301 033 V1.3.1**

Identne EN 301 033 V1.3.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM);Technical characteristics and methods of measurement for shipborne watchkeeping receivers for reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and VHF bands**

The present document states the minimum operational and performance requirements for shipborne receivers intended to be connected to an external installation, including a decoder for DSC, and used as receivers for watchkeeping DSC on board ships operating in the mobile MF, MF/HF and VHF band allocated in the ITU Radio Regulations [1] to the maritime mobile service, both in connection with distress and safety communication and in connection with general communication. These requirements include the relevant provisions of the ITU Radio Regulations [1], ITU-R Recommendations M.493-11 [3], M.541-9 [11], M.489-2 [10] and the IMO Resolutions A.803(19), A.804(19), A.806(19) and A.694(17). The present document specifies also technical characteristics, methods of testing and required test results for dedicated watchkeeping receivers for use with radio installations in the GMDSS as required by chapter IV of the SOLAS.

Keel en

#### **EN 301 442 V1.2.1**

Identne EN 301 442 V1.2.1

Tähtaeg 30.12.2010

#### **Satellite Earth Stations and Systems (SES); Harmonized EN for Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 2,0 GHz bands under the Mobile Satellite Service (MSS) covering essential requirements under article 3.2 of the R&TTE directive**

Revise the document to limit the scope to NGSO systems. Scope of initial version V1.1.1: The new R&TTE Directive implies the conversion of existing TBRs. TC SES decided during SES#40 to accelerate the process, and planned to send TBR26, TBR27, TBR28, TBR30,TBR41, TBR42, TBR43 and TBR44 to OAP during a dedicated TC SES #42 meeting (30/11-3/12/99

Keel en

#### **EN 301 489-23 V1.4.1**

Identne EN 301 489-23 V1.4.1

Tähtaeg 30.12.2010

#### **Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 23: Specific conditions for IMT-2000 CDMA, Direct Spread (UTRA and E-UTRA) Base Station (BS) radio, repeater and ancillary equipment**

Update EN 301 489-23 to include the 4G base stations and repeaters (LTE)

Keel en

**EN 301 489-24 V1.5.1**

Identne EN 301 489-24 V1.5.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA and E-UTRA) for Mobile and portable (UE) radio and ancillary equipment**

Update EN 301 489-24 to include the 4G mobile terminals (LTE UEs)

Keel en

**EN 301 489-34 V1.1.1**

Identne EN 301 489-34 V1.1.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones**

Under the EMC requirement of the Commission Mandate M/455 Common Charging Capability for Mobile Telephones. Produce a new part for EN 301 489 covering Specific conditions for Mobile Phone Harmonised External Power Supply (EPS as described in Mandate M/455. and Part A Annex II) Considering Part B of Annex II of M/455

Keel en

**EN 301 783-1 V1.2.1**

Identne EN 301 783-1 V1.2.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Commercially available amateur radio equipment; Part 1: Technical characteristics and methods of measurement**

Alignment of the technical contents with other more recent documents and general editorial review. Integration of any outstanding approved change requests. Update references. Alignment with revised spurious emission limits.

Keel en

**EN 301 783-2 V1.2.1**

Identne EN 301 783-2 V1.2.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Commercially available amateur radio equipment; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Alignment of the technical contents with other more recent documents and general editorial review. New HS format and new requirements table. Integration of any outstanding approved change requests. Update references. Alignment with revised spurious emission limits.

Keel en

**EN 301 925 V1.3.1**

Identne EN 301 925 V1.3.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands; Technical characteristics and methods of measurement**

The present document specifies the minimum requirements for shipborne radio transmitters and receivers for fixed installations operating in the VHF frequency bands between 156 MHz and 174 MHz allocated to the maritime mobile service, using both 25 kHz and 12,5 kHz channels and capable of Radiotelephony and Digital Selective Calling communications within the Global Maritime Distress and Safety System. The present document incorporates the requirements of the relevant resolutions of the International Maritime Organization (IMO) and is primarily intended to specify equipment suitable for fitting to ships subject to the SOLAS Convention [1] and complying with the European Marine Equipment Directive [2]. The EMC parameters defined in the clauses of the present document covering emission tests and immunity tests (see clauses 10 and 11) have been selected to ensure an adequate level of compatibility for apparatus in marine environments

Keel en

**EN 302 065 V1.2.1**

Identne EN 302 065 V1.2.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD) using Ultra Wide Band technology (UWB) for communications purposes; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Revision of EN to include the requirements of mitigation techniques.

Keel en

**EN 302 498-1 V1.1.1**

Identne EN 302 498-1 V1.1.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Technical characteristics for SRD equipment using Ultra WideBand technology (UWB); Object Discrimination and Characterization Applications for power tool devices operating in the frequency band from 2,2 GHz to 8,5 GHz; Part 1: Technical characteristics and test methods**

Create harmonised Standards for UWB Sensors Object classification in the range of 2,2 GHz to 8,5 GHz.

Keel en

#### **EN 302 498-2 V1.1.1**

Identne EN 302 498-2 V1.1.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Technical characteristics for SRD equipment using Ultra WideBand technology (UWB); Object Discrimination and Characterization Applications for power tool devices operating in the frequency band from 2,2 GHz to 8,5 GHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Create harmonised Standards for UWB Sensors Object classification in the range of 2,2 GHz to 8,5 GHz.

Keel en

#### **EN 302 500-1 V2.1.1**

Identne EN 302 500-1 V2.1.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD) using Ultra WideBand (UWB) technology; Location Tracking equipment operating in the frequency range from 6 GHz to 9 GHz; Part 1: Technical characteristics and methods of measurement**

of Application 1.change upper limit of frequency range from 8.5 GHz to 9 GHz (DAA option) 2.review method of measurement amendments and clarifications needed

Keel en

#### **EN 302 500-2 V2.1.1**

Identne EN 302 500-2 V2.1.1

Tähtaeg 30.12.2010

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD) using Ultra WideBand (UWB) technology; Location Tracking equipment operating in the frequency range from 6 GHz to 9 GHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

1.change upper limit of frequency range from 8.5 GHz to 9 GHz (DAA option) 2.review method of measurement amendments and clarifications needed

Keel en

#### **EN 302 574-1 V1.1.1**

Identne EN 302 574-1 V1.1.1

Tähtaeg 30.12.2010

**Satellite Earth Stations and Systems (SES);Harmonized Standard for satellite earth stations for MSS operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands;Part 1: Complementary Ground Component (CGC) for wideband systems: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

This Harmonized Standard for two-way communications in the S-bands specifies the essential requirements due to the R&TTE (article 3.2) Directive for Satellite Earth Station Repeaters operating as part of a satellite network. These Earth Stations Repeaters transmit to the user terminals and to the satellite in the frequency bands allocated to the Mobile Satellite Service (MSS) on a primary basis. During the drafting of the Harmonized Standard the work should consider EN 301 908 and review its applicability to S-UMTS.

Keel en

#### **EN 302 574-2 V1.1.1**

Identne EN 302 574-2 V1.1.1

Tähtaeg 30.12.2010

**Satellite Earth Stations and Systems (SES);Harmonized Standard for satellite earth stations for MSS operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands;Part 2: User Equipment (UE) for wideband systems: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

This Harmonized Standard for two-way communications in the S-bands specifies the essential requirements due to the R&TTE (article 3.2) Directive for Satellite Earth Station Terminals operating as part of a satellite network. These Earth Stations (or the satellite part of multi mode terminals) operate in the frequency band allocated to the Mobile Satellite Service (MSS) on a primary basis, 2170 to 2200 MHz (space-to-earth) and 1980 to 2010 MHz (earth-to-space)

Keel en

#### **EN 302 574-3 V1.1.1**

Identne EN 302 574-3 V1.1.1

Tähtaeg 30.12.2010

**Satellite Earth Stations and Systems (SES);Harmonized Standard for satellite earth stations for MSS operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to- earth) frequency bands;Part 3: User Equipment (UE) for narrowband systems: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

This Harmonized Standard for two-way communications in the S-bands specifies the essential requirements due to the R&TTE (article 3.2) Directive for Satellite Earth Station Terminals operating in the frequency band allocated to the Mobile Satellite Service (MSS) on a primary basis, 2170 to 2200 MHz (space-to-earth) and 1980 to 2010 MHz (earth-to-space). This new Part 3 defines the requirements for narrowband terminals (CBW < 1 MHz).

Keel en

#### **prEN 492**

Identne prEN 492:2010

Tähtaeg 30.12.2010

**Kiudtsement-tahvelkiltkiivid ja nende liitekohad. Tootespetsifikaat ja katsemeetodid**

This document specifies the technical requirements and establishes methods of control and test as well as acceptance conditions for fibre-cement slates and their fibre-cement fittings for one or more of the following uses: - roofing, - internal wall finishes, - external wall and ceiling finishes. It applies to fibre-cement slates with a height dimension h (see Clause 4) not exceeding 850 mm for overlapping assembly. For the purpose of this standard, fibre-cement slates have been classified according to their bending moment. This document covers fibre-cement slates reinforced with fibres of different types as specified in 5.1.1. This standard does not include calculations with regard to works, design requirements, installation techniques, wind uplift or rain proofing of the installed products.

Keel en

Asendab EVS-EN 492:2005

### prEN 50132-5-1

Identne prEN 50132-5-1:2010

Tähtaeg 30.12.2010

#### **Alarm systems - CCTV surveillance systems for use in security applications - Part 5-1: Video transmission - General video transmission performance requirements**

This European Standard EN 50132-5-1 shall introduce general requirements on video transmission. With prEN 50132-5-3 a detailed specification on analog video transmission over different media including signal and performance requirements is already defined. For the growing number of surveillance applications based on IP video transmission the requirements are defined in 2 standards: This standard prEN 50132-5-1 covers in the following chapters the general requirements for video transmissions on performance, security and conformance to basic IP connectivity, based on available, well-known, international standards. In areas where more detailed IP requirements are necessary additional specifications are given, in order to reach compatibility. In this standard no detailed and special CCTV protocols are defined. In part -2 of this standard, prEN 50132-5-2, a detailed video IP protocol, messages and commands on top of the general connectivity and performance requirements of part -1 are defined. Part -2 defines an IP protocol for full interoperability (e.g. PTZ control, eventing, etc.) of video transmission devices used in surveillance applications.

Keel en

Asendab EVS-EN 50132-5:2002

### prEN 50132-5-2

Identne prEN 50132-5-2:2010

Tähtaeg 30.12.2010

#### **Alarm systems - CCTV surveillance systems for use in security applications - Part 5-2: IP Video Transmission Protocols**

This standard EN 50132-5-2 shall introduce an IP network interface for devices in surveillance applications. In this part of the standard a network protocol is specified for the full interoperability of video devices. prEN 50132-5-1 specifies the minimum network performance standards and general compliance to existing, well-known international network standards. On top of these basic layers protocols are defined to accomplish the full interoperability of video devices. In surveillance applications IP video devices have to use standardized protocols to accomplish following functionality: video streaming, stream control, event handling, discovery, capability description, device management, PTZ control, auxiliaries and other functions.

Keel en

Asendab EVS-EN 50132-5:2002

## 35 INFOTEHNOLOOGIA. KONTORISEADMED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CLC/TR 61158-1:2010**

Hind 271,00

Identne CLC/TR 61158-1:2010

ja identne IEC/TR 61158-1:2010

#### **Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series**

This technical report presents an overview and guidance for the IEC 61158 series by: - explaining the structure and content of the IEC 61158 series; - relating the structure of the IEC 61158 series to the ISO/IEC 7498 OSI Basic Reference Model; - showing the logical structure of the IEC 61784 series; - showing how to use parts of the IEC 61158 series in combination with the IEC 61784 series; - providing explanations of some aspects of the IEC 61158 series that are common to the parts of the IEC 61158-5 series.

Keel en

Asendab CLC/TR 61158-1:2008

#### **CLC/TR 61491:2010**

Hind 105,00

Identne CLC/TR 61491:2010

ja identne IEC/TR 61491:2010

#### **Electrical equipment of industrial machines - Serial data link for real-time communication between controls and drives**

This technical report presents an overview and guidance for IEC 61158, IEC 61784-1, IEC 61784-2 and IEC 61800-7 with respect to a real-time serial interface between the control unit and its associated devices, which is utilized to transmit periodic and non periodic data. This interface is intended to apply to industrial machines, such as machine tools, with multiple devices connected via this interface. This interface supports different operation modes.

Keel en

#### **CWA 16213:2010**

Hind 271,00

Identne CWA 16213:2010

#### **End User e-Skills Framework Requirements**

It is important to note from the outset that this project is firmly focused on gathering details on end user e-skills framework requirements. The project is a requirements research activity and is not a framework development project. The following definitions aim to give clarity to the key terms used in the project, and the scope of "end user e-skills". These terms are explored in greater detail in section 3 of the report. A glossary of terms used in this CWA are also included in Annex Section 15.

Keel en

**EVS-EN 50159:2010**

Hind 271,00

Identne EN 50159:2010

**Raudteelased rakendused. Side-, signalisatsiooni- ja andmetötluse süsteemid. Ohutusega seotud teabeedastus ülekandesüsteemides**

This European Standard is applicable to safety-related electronic systems using for digital communication purposes a transmission system which was not necessarily designed for safety-related applications and which is - under the control of the designer and fixed during the lifetime, or - partly unknown or not fixed, however unauthorised access can be excluded, or - not under the control of the designer, and also unauthorised access has to be considered. Both safety-related equipment and non safety-related equipment can be connected to the transmission system. This standard gives the basic requirements needed to achieve safety-related communication between safety-related equipment connected to the transmission system. This European Standard is applicable to the safety requirement specification of the safety-related equipment connected to the transmission system, in order to obtain the allocated safety integrity requirements. Safety requirements are generally implemented in the safety-related equipment, designed according to EN 50129. In certain cases these requirements may be implemented in other equipment of the transmission system, as long as there is control by safety measures to meet the allocated safety integrity requirements. The safety requirement specification is a precondition of the safety case of a safety-related electronic system for which the required evidence is defined in EN 50129. Evidence of safety management and quality management has to be taken from EN 50129. The communication-related requirements for evidence of functional and technical safety are the subject of this standard. This European Standard is not applicable to existing systems, which had already been accepted prior to the release of this standard.

Keel en

Asendab EVS-EN 50159-2:2002/AC:2010; EVS-EN 50159-2:2002; EVS-EN 50159-1:2002/AC:2010; EVS-EN 50159-1:2002

**EVS-EN 61158-2:2010**

Hind 559,00

Identne EN 61158-2:2010

ja identne IEC 61158-2:2010

**Industrial communication networks - Fieldbus specifications -- Part 2: Physical layer specification and service definition**

This part of IEC 61158 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC/TR 61158-1.

Keel en

Asendab EVS-EN 61158-2:2008

**EVS-EN 62479:2010**

Hind 155,00

Identne EN 62479:2010

ja identne IEC 62479:2010

**Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)**

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields (EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment.

Keel en

Asendab EVS-EN 50371:2002

**EVS-EN 61784-1:2010**

Hind 442,00

Identne EN 61784-1:2010

ja identne IEC 61784-1:2010

**Industrial communication networks - Profiles -- Part 1: Fieldbus profiles**

This part of IEC 61784 defines a set of protocol specific communication profiles based primarily on the IEC 61158 series, to be used in the design of devices involved in communications in factory manufacturing and process control. Each profile selects specifications for the communications protocol stack at a device. It contains a minimal set of required services at the application layer and specification of options in intermediate layers defined through references. If no application layer is included, then a minimal set of required services at the Data-link layer is specified. The appropriate references to the protocol specific types are given in each communication profile family or associated profiles.

Keel en

Asendab EVS-EN 61784-1:2008

**EVS-EN 61784-2:2010**

Hind 415,00

Identne EN 61784-2:2010

ja identne IEC 61784-2:2010

**Industrial communication networks - Profiles -- Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3**

This part of IEC 61784 specifies - performance indicators supporting classification schemes for Real-Time Ethernet (RTE) requirements; - profiles and related network components based on ISO/IEC 8802-3, IEC 61158 series, and IEC 61784-1; - RTE solutions that are able to run in parallel with ISO/IEC 8802-3-based applications. These communication profiles are called Real-Time Ethernet communication profiles.

Keel en

Asendab EVS-EN 61784-2:2008

### **EVS-EN 61784-3:2010**

Hind 271,00

Identne EN 61784-3:2010

ja identne IEC 61784-3:2010

#### **Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions**

This part of the IEC 61784-3 series explains some common principles than can be used in the transmission of safety-relevant messages among participants within a distributed network using fieldbus technology in accordance with the requirements of IEC 61508 series1 for functional safety. These principles can be used in various industrial applications such as process control, manufacturing automation and machinery. This part2 and the IEC 61784-3-x parts specify several functional safety communication profiles based on the communication profiles and protocol layers of the fieldbus technologies in IEC 61784-1, IEC 61784-2 and the IEC 61158 series.

Keel en

Asendab EVS-EN 61784-3:2008

### **EVS-EN 62514:2010**

Hind 256,00

Identne EN 62514:2010

ja identne IEC 62514:2010

#### **Multimedia gateway in home networks - Guidelines**

This International Standard describes the general guidelines for typical applications of the home multimedia gateway in home networks supporting IP networking. This standard specifies recommended functions and services to be supported by the home multimedia gateway and, where appropriate, refers to existing standards supported in the market. For general requirements, it is expected that widely adopted standards and technologies will be considered by implementers. This standard gives supplementary application to IEC 62481, which specifies a central management model in home network supporting various interfaces in LAN side and WAN side (optional). This standard is applicable to home multimedia gateways in the home network or networks of similar environment.

Keel en

### **EVS-EN 62537:2010**

Hind 178,00

Identne EN 62537:2010

ja identne IEC 62537:2010

#### **Interface for loudspeakers with digital input signals based on IEC 60958**

This International Standard specifies the requirements for a digital loudspeaker interface based on the IEC 60958 series of standards and the MIDI specification. It maximizes flexibility and value by combining these previously separate standards. Together, the two standards provide a simple and flexible digital interface for loudspeakers. Examples for applications of the interface can be found in Annex C of this standard.

Keel en

### **EVS-EN ISO 15423:2010**

Hind 229,00

Identne EN ISO 15423:2010

ja identne ISO/IEC 15423:2009

#### **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

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **CLC/TR 61158-1:2008**

Identne CLC/TR 61158-1:2008

ja identne IEC/TR 61158-1:2007

#### **Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series**

This technical report presents an overview and guidance for the IEC 61158 series. It • explains the structure and content of the IEC 61158 series; • relates the structure of the IEC 61158 series to the ISO/IEC 7498 OSI Basic Reference Model; • shows the logical structure of the IEC 61784 series; • shows how to use parts of the IEC 61158 series in combination with IEC 61784 series; • provides explanations of some aspects of the IEC 61158 series that are common to the parts of the IEC 61158-5 series.

Keel en

Asendab CLC/TR 61158-1:2004

Asendatud CLC/TR 61158-1:2010

#### **EVS-EN 50159-2:2002**

Identne EN 50159-2:2001

#### **Raudteealased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 2: Ohutusega seotud teabeedastus avatud ülekandesüsteemides**

This European Standard is applicable to safety-related electronic systems using an open transmission system for communication purposes. It gives the basic requirements needed in order to achieve safety-related communication between safety-related equipment connected to the transmission system. This standard is applicable to the safety requirement specification of the safety-related equipment, connected to the open transmission system, in order to obtain the allocated safety integrity level.

Keel en

Asendatud EVS-EN 50159:2010



**EVS-EN 50159-1:2002**

Identne EN 50159-1:2001

**Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötluse süsteemid. Osa 1: Ohutusega seotud teabeedastus suletud ülekandesüsteemides**

This European Standard is applicable to safety-related electronic systems using a closed transmission system for communication purposes. It gives the basic requirements needed in order to achieve safety-related communication between safety-related equipment connected to the transmission system. This standard is applicable to the safety requirement specification and design of the communication system in order to obtain the assigned safety integrity level.

Keel en

Asendatud EVS-EN 50159:2010

**EVS-EN 50159-1:2002/AC:2010**

Identne EN 50159-1:2001

**Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötluse süsteemid. Osa 1: Ohutusega seotud teabeedastus suletud ülekandesüsteemides**

Keel en

Asendatud EVS-EN 50159:2010

**EVS-EN 50159-2:2002/AC:2010**

Identne 50159-2:2001

**Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötluse süsteemid. Osa 2: Ohutusega seotud teabeedastus avatud ülekandesüsteemides**

Keel en

Asendatud EVS-EN 50159-2:2002

**EVS-EN 61158-2:2008**

Identne EN 61158-2:2008

ja identne IEC 61158-2:2007

**Industrial communication networks - Fieldbus specifications -- Part 2: Physical layer specification and service definition**

This part of IEC 61158 specifies the requirements for fieldbus component parts. It also specifies the media and network configuration requirements necessary to ensure agreed levels of a) data integrity before data-link Layer error checking; b) interoperability between devices at the physical layer. The fieldbus physical layer conforms to layer 1 of the OSI 7-layer model as defined by ISO 7498 with the exception that, for some types, frame delimiters are in the physical layer while for other types they are in the data-link Layer.

Keel en

Asendab EVS-EN 61158-2:2004; EVS-EN 61491:2002

Asendatud EVS-EN 61158-2:2010

**EVS-EN 61784-1:2008**

Identne EN 61784-1:2008

ja identne IEC 61784-1:2007

**Industrial communication networks - Profiles -- Part 1: Fieldbus profiles**

This part of IEC 61784 defines a set of protocol specific communication profiles based primarily on the IEC 61158 series, to be used in the design of devices involved in communications in factory manufacturing and process control. Each profile selects specifications for the communications protocol stack at a device. It contains a minimal set of required services at the Application Layer and specification of options in intermediate layers defined through references. If no Application Layer is included, then a minimal set of required services at the Data-link layer is specified. The appropriate references to the protocol specific types are given in each communication profile family or associated profiles.

Keel en

Asendab EVS-EN 61784-1:2004

Asendatud EVS-EN 61784-1:2010

**EVS-EN 61784-2:2008**

Identne EN 61784-2:2008

ja identne IEC 61784-2:2007

**Industrial communication networks - Profiles -- Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3**

This part of IEC 61784 specifies

- performance indicators supporting classification schemes for Real-Time Ethernet (RTE) requirements;
- profiles and related network components based on ISO/IEC 8802-3, IEC 61158 series, and IEC 61784-1;
- RTE solutions that are able to run in parallel with ISO/IEC 8802-3-based applications. These communication profiles are called Real-Time Ethernet communication profiles.

Keel en

Asendatud EVS-EN 61784-2:2010

**EVS-EN 61784-3:2008**

Identne EN 61784-3:2008

ja identne IEC 61784-3:2007

**Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions**

This part of the IEC 61784-3 series explains some common principles that can be used in the transmission of safety-relevant messages among participants within a distributed network using fieldbus technology in accordance with the requirements of IEC 61508 series for functional safety. These principles can be used in various industrial applications such as process control, manufacturing automation and machinery. This part 1 and the IEC 61784-3-x parts specify several functional safety communication profiles based on the communication profiles and protocol layers of the fieldbus technologies in IEC 61784-1, IEC 61784-2 and the IEC 61158 series. All systems are exposed to unauthorized access at some point of their life cycle. Additional measures need to be considered in any safety-related application to protect fieldbus systems against unauthorized access. IEC 62443 will address many of these issues; the relationship with IEC 62443 is detailed in a dedicated subclause of this part.

Keel en

Asendatud EVS-EN 61784-3:2010

### **EVS-EN ISO/IEC 15423:2005**

Identne EN ISO/IEC 15423:2005

ja identne ISO/IEC 15423:2004

#### **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.

Keel en

Asendatud EVS-EN ISO 15423:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN ISO 9241-410:2008/prA1**

Identne EN ISO 9241-410:2008/prA1:2010

ja identne ISO 9241-410:2008/DAM 1:2010

Tähtaeg 30.12.2010

#### **Ergonomics of human-system interaction - Part 410: Design criteria for physical input devices**

This part of ISO 9241 specifies criteria based on ergonomics factors for the design of physical input devices for interactive systems including keyboards, mice, pucks, joysticks, trackballs, trackpads, tablets and overlays, touch-sensitive screens, styli and light pens, and voice- and gesture-controlled devices. It gives guidance on the design of these devices, taking into consideration the capabilities and limitations of users, and specifies generic design criteria for physical input devices, as well as specific criteria for each type of device. Requirements for the design of products are given either as a result of context-free considerations, or else can be determined based on the specified design criteria for the intended use; such specified criteria generally having been subdivided into task-oriented categories, wherever applicable. **EXAMPLE** The resolution of a pointing device is given in relation to four levels of index of difficulty for the Fitts test. The required category for the resolution can be determined on the basis of the task characteristics, user population and context of use for the intended application. This part of ISO 9241 does not specify the categories that are appropriate for devices as, according to the concept of usability, a product has no inherent usability. Selecting the category to which a certain property of a device belongs is subject to the design of a product.

Keel en

### **FprEN 61966-12-1**

Identne FprEN 61966-12-1:2010

ja identne IEC 61966-12-1:201X

Tähtaeg 30.12.2010

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

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

Keel en

#### **prEN 13940-2**

Identne prEN 13940-2:2010

Tähtaeg 30.12.2010

#### **Health informatics - System of concepts to support continuity of care - Part 2: Health care process and workflow**

This part standard supplements Part 1(EN 13940-1). Its specific purpose is to define a system of concepts for the provision of care in clinical processes to an individual subject of care and the corresponding workflow. Furthermore the concepts aim to enable the management, including communication, so as to support continuity of care, taking into consideration data handling, decision making, quality control, and resource management. It provides the terminology for planning, delivery and follow-up of the activities and health conditions that form the overall health care and clinical process. An additional aim is to enable the reuse of clinical data for other purposes than the direct care of an individual subject of care at group level for follow up and knowledge management. This part standard identifies the most common objects processed that can be identified in clinical processes. It also takes into consideration the resource aspects, the responsibilities of health care providers and means for subject's of care participation. Whenever continuity of health care delivery implies social interventions as part of, or in support to, the health care process towards health recovery, these are to be mentioned wherever relevant in the process and workflow descriptions; but addressing those social interventions in depth is not within the scope of this European Standard.

Keel en

**prEN 61784-3-1**

Identne EN 61784-3-1:2010  
ja identne IEC 61784-3-1:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-1: Functional safety fieldbuses - Additional specifications for CPF 1**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 1 of IEC 61784-1 and IEC 61158 Types 1 and 9. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-1:2008

**prEN 61784-3-2**

Identne EN 61784-3-2:2010  
ja identne IEC 61784-3-2:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-2: Functional safety fieldbuses - Additional specifications for CPF 2**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 2 of IEC 61784-1, IEC 61784-2 and IEC 61158 Type 2. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-2:2008

**prEN 61784-3-3**

Identne EN 61784-3-3:2010  
ja identne IEC 61784-3-3:2010  
Tähtaeg 30.12.2010

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

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 3 of IEC 61784-1, IEC 61784-2 (CP 3/1, CP 3/2, CP 3/4, CP 3/5 and CP 3/6) and IEC 61158 Types 3 and 10. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-3:2008

**prEN 61784-3-6**

Identne EN 61784-3-6:2010  
ja identne IEC 61784-3-6:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-6: Functional safety fieldbuses - Additional specifications for CPF 6**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 6 of IEC 61784-1, IEC 61784-2 and IEC 61158 Type 8. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

Asendab EVS-EN 61784-3-6:2008

**prEN 61784-3-8**

Identne EN 61784-3-8:2010  
ja identne IEC 61784-3-8:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-8: Functional safety fieldbuses - Additional specifications for CPF 8**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 8 of IEC 61784-1 and IEC 61158 Type 18. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN 61784-3-12**

Identne EN 61784-3-12:2010  
ja identne IEC 61784-3-12:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-12: Functional safety fieldbuses - Additional specifications for CPF 12**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 12 of IEC 61784-2 and IEC 61158 Type 12. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN 61784-3-13**

Identne EN 61784-3-13:2010  
ja identne IEC 61784-3-13:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-13: Functional safety fieldbuses - Additional specifications for CPF 13**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 13 of IEC 61784-2 and IEC 61158 Type 13. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

**prEN 61784-3-14**

Identne EN 61784-3-14:2010  
ja identne IEC 61784-3-14:2010  
Tähtaeg 30.12.2010

**Industrial communication networks - Profiles - Part 3-14: Functional safety fieldbuses - Additional specifications for CPF 14**

This part of the IEC 61784-3 series specifies a safety communication layer (services and protocol) based on CPF 14 of IEC 61784-2 and IEC 61158 Type 14. It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer.

Keel en

## prEN ISO 14915-2

Identne EN ISO 14915-2:2003

ja identne ISO 14915-2:2003

Tähtaeg 30.12.2010

### **Software ergonomics for multimedia user interfaces - Part 2: Multimedia navigation and control (ISO 14915-2:2003)**

This part of ISO 14915 provides recommendations and requirements for the design of multimedia user interfaces with respect to the following aspects: design of the organization of the content, navigation and media-control issues. This part of ISO 14915 is limited to the design of the organization of the content and does not deal with the design of the content in general. Design issues within a single medium (e.g. the lighting of a film sequence) are only addressed with respect to the ergonomic issues related to user controls. This part of ISO 14915 provides a framework for the structuring of multimedia applications, information and recommendations on the design of navigation structures and navigation mechanisms for use within multimedia applications, and information and recommendations on the design of controls for use within multimedia applications. It does not specifically address entertainment applications, although some recommendations can also be applicable to that domain. ISO 14915 does not address implementation issues. The ergonomic requirements can be realised through very different mechanisms, e.g. the delivery system, a scripting language or the application.

Keel en

## prEVS-ISO/IEC 15408-1:2010

ja identne ISO/IEC 15408-1:2005

Tähtaeg 31.12.2010

### **Infotehnoloogia. Turbemeetodid. Infoturbe hindamise kriteeriumid. Osa 1: Sissejuhatus ja üldmudel**

ISO/IEC 15408 see osa kehtestab infoturbe hindamise üldmõisted ja põhimõtted ning spetsifitseerib hindamise üldmudeli, mis on esitatud standardi eri osadega ning mis tervikuna on mõeldud kasutamiseks IT-toodete turvaomaduste hindamise alusena. Esimene osa annab ülevaate standardi ISO/IEC 15408 kõigist osadest. Ta kirjeldab standardi eri osi, määratleb terminid ja lühendid, mida tuleb kasutada standardi kõigis osades, kehtestab hindamisobjekti (TOE) tuummõiste, määratleb hindamise konteksti ja kirjeldab lugejaskonda, kellele on suunatud hindamise kriteeriumid. Antakse sissejuhatus põhilistesse turvamõistetesse, mis on vajalikud IT-toodete hindamiseks. Standard määratleb mitmesugused operatsioonid, millega saab lubatavate operatsioonide kasutamise teel kohandada funktsionaalseid ja tagatislikke komponente, mis on esitatud standardiosades ISO/IEC 15408-2 ja ISO/IEC 15408-3. On spetsifitseeritud kaitseprofiilide (PP) kesksed mõisted, turvanõuete paketid ja vastavuse teema ning on kirjeldatud hindamise tagajärgi ja tulemeid. ISO/IEC 15408 käesolev osa annab suuniseid turvasihtide (ST) spetsifitseerimiseks ja kirjeldab komponentide korraldust kogu mudeli ulatuses. Üldteavet hindamise meetodika kohta ja hindamiskeemide käsitusala määrang on standardis ISO/IEC 18045.

Keel en

## 43 MAANTEESÕIDUKITE EHITUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 50325-5:2010**

Hind 219,00

Identne EN 50325-5:2010

#### **Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces - Part 5: Functional safety communication based on EN 50325-4**

This European Standard specifies a safety-related communication layer (services and protocol) based on EN 50325-4. This European Standard applies to networks based on EN 50325-4 providing safety-related communication capabilities between devices in a safety-related system in accordance with the requirements of EN 61508 series for functional safety. The services and protocols defined in this standard are intended to extend those defined in EN 50325-4. These services and protocols may be used in various applications such as manufacturing, machinery, medical, mobile machinery and process control.

Keel en

### KAVANDITE ARVAMUSKÜSITLUS

#### **EN 50408:2008/FprAA**

Identne EN 50408:2008/FprAA:2010

Tähtaeg 30.12.2010

#### **Household and similar electrical appliances - Safety - Particular requirements for cab heaters for vehicles**

This standard is intended to be used together with EN 60335-2-30:2003 and supplements or modifies the corresponding clauses of that standard.

Keel en

Asendab EVS-EN 50408:2008

#### **EN 60809:2006/FprA5**

Identne EN 60809:1996/FprA5:2010

ja identne IEC 60809:1995/A5:201X

Tähtaeg 30.12.2010

#### **Lamps for road vehicles - Dimensional, electrical and luminous requirements**

Covers filament lamps to be used in headlamps, fog-lamps and signalling lamps for road vehicles and specifies the technical requirements with methods of test and basic interchangeability (dimensional, electrical and luminous). It applies to those filament lamps which may be the subject of legislation. In particular, it covers those filament lamps contained in Regulation No. 37 of the Geneva agreement of 20 March 1958 of the United Nations Economic Commission for Europe (ECE) concerning the adoption of uniform conditions of approval and reciprocal recognition of approval for motor vehicle equipment and parts.

Keel en

## prEN ISO 17287

Identne EN ISO 17287:2003

ja identne ISO 17287:2003

Tähtaeg 30.12.2010

### **Road vehicles - Ergonomic aspects of transport information and control systems - Procedure for assessing suitability for use while driving (ISO 17287:2003)**

This International Standard specifies a procedure for assessing whether specific TICS (transport information and control systems), or a combination of TICS with other in-vehicle systems, are suitable for use by drivers while driving. It addresses user-oriented TICS description and context of use, TICS task description and analysis, the assessment process, and documentation. The TICS description and context of use includes consideration of improper use, reasonably foreseeable misuse and TICS failure. The TICS description, analysis and assessment include a process for identifying and addressing suitability issues. This International Standard does not recommend specific variables for assessing suitability nor does it define criteria for establishing the suitability of use of a TICS table while driving.

Keel en

## 45 RAUDTEETEHNIKA

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 50159:2010**

Hind 271,00

Identne EN 50159:2010

#### **Raudteealased rakendused. Side-, signalisatsiooni- ja andmetöötamise süsteemid. Ohutusega seotud teabeedastus ülekandesüsteemides**

This European Standard is applicable to safety-related electronic systems using for digital communication purposes a transmission system which was not necessarily designed for safety-related applications and which is - under the control of the designer and fixed during the lifetime, or - partly unknown or not fixed, however unauthorised access can be excluded, or - not under the control of the designer, and also unauthorised access has to be considered. Both safety-related equipment and non safety-related equipment can be connected to the transmission system. This standard gives the basic requirements needed to achieve safety-related communication between safety-related equipment connected to the transmission system. This European Standard is applicable to the safety requirement specification of the safety-related equipment connected to the transmission system, in order to obtain the allocated safety integrity requirements. Safety requirements are generally implemented in the safety-related equipment, designed according to EN 50129. In certain cases these requirements may be implemented in other equipment of the transmission system, as long as there is control by safety measures to meet the allocated safety integrity requirements. The safety requirement specification is a precondition of the safety case of a safety-related electronic system for which the required evidence is defined in EN 50129. Evidence of safety management and quality management has to be taken from EN 50129. The communication-related requirements for evidence of functional and technical safety are the subject of this standard. This European Standard is not applicable to existing systems, which had already been accepted prior to the release of this standard.

Keel en

Asendab EVS-EN 50159-2:2002/AC:2010; EVS-EN 50159-2:2002; EVS-EN 50159-1:2002/AC:2010; EVS-EN 50159-1:2002

#### **EVS-EN 61373:2010**

Hind 209,00

Identne EN 61373:2010

ja identne IEC 61373:2010

#### **Railway applications - Rolling stock equipment - Shock and vibration tests**

This International Standard specifies the requirements for testing items of equipment intended for use on railway vehicles which are subsequently subjected to vibrations and shock owing to the nature of railway operational environment. To gain assurance that the quality of the equipment is acceptable, it has to withstand tests of reasonable duration that simulate the service conditions seen throughout its expected life.

Keel en

Asendab EVS-EN 61373:2002

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS-EN 50159-2:2002**

Identne EN 50159-2:2001

#### **Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 2: Ohutusega seotud teabeedastus avatud ülekandesüsteemides**

This European Standard is applicable to safety-related electronic systems using an open transmission system for communication purposes. It gives the basic requirements needed in order to achieve safety-related communication between safety-related equipment connected to the transmission system. This standard is applicable to the safety requirement specification of the safety-related equipment, connected to the open transmission system, in order to obtain the allocated safety integrity level.

Keel en

Asendatud EVS-EN 50159:2010

### **EVS-EN 50159-1:2002**

Identne EN 50159-1:2001

#### **Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 1: Ohutusega seotud teabeedastus suletud ülekandesüsteemides**

This European Standard is applicable to safety-related electronic systems using a closed transmission system for communication purposes. It gives the basic requirements needed in order to achieve safety-related communication between safety-related equipment connected to the transmission system. This standard is applicable to the safety requirement specification and design of the communication system in order to obtain the assigned safety integrity level.

Keel en

Asendatud EVS-EN 50159:2010

### **EVS-EN 50159-1:2002/AC:2010**

Identne EN 50159-1:2001

#### **Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 1: Ohutusega seotud teabeedastus suletud ülekandesüsteemides**

Keel en

Asendatud EVS-EN 50159:2010

### **EVS-EN 50159-2:2002/AC:2010**

Identne 50159-2:2001

#### **Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 2: Ohutusega seotud teabeedastus avatud ülekandesüsteemides**

Keel en

Asendatud EVS-EN 50159-2:2002

### **EVS-EN 61373:2002**

Identne EN 61373:1999

ja identne IEC 61373:1999

#### **Railway applications - Rolling stock equipment - Shock and vibration tests**

This International standard specifies the requirements for testing items of equipment intended for use on railway vehicles which are subsequently subjected to vibrations and shock owing to the nature of railway operational environment. To gain assurance that the quality of the item is acceptable, it has to withstand tests of reasonable duration that simulate the service conditions seen throughout its expected life.

Keel en

Asendatud EVS-EN 61373:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **FprEN 14033-1**

Identne FprEN 14033-1:2010

Tähtaeg 30.12.2010

#### **Railway applications - Track - Railbound construction and maintenance machines - Part 1: Technical requirements for running**

This European Standard defines the specific technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment. This European Standard applies to all railbound machines and other vehicles – referred to as machines – running exclusively on the railway (utilising adhesion between the rail and wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This European Standard applies to machines that are intended to operate signalling and control systems. Other machines are dealt with in other European Standards, see Annex K. Special requirements can apply for running on infrastructures with narrow gauge or broad gauge lines, lines of tramways, railways utilising other than adhesion between the rail and wheels, road-rail machines and underground infrastructures. This European Standard covers the requirements for safety and access of railway traffic, railway specific requirements for running on different infrastructures in relation to necessary movements of the machine as a train and movements to reach work sites.

Keel en

Asendab EVS-EN 14033-1:2008

### **FprEN 61881-2**

Identne FprEN 61881-2:2010

ja identne IEC 61881-2:201X

Tähtaeg 30.12.2010

#### **Railway applications - Rolling stock equipment - Capacitors for power electronics -Part 2: Aluminium electrolytic capacitors with non solid electrolyte**

This International Standard applies to d.c. aluminium electrolytic capacitors (cell, module and bank) for power electronics intended to be used on rolling stock. This standard specifies quality requirements and tests, safety requirements, and describes installation and operation information.

Keel en

**FprEN 61881-3**

Identne FprEN 61881-3:2010

ja identne IEC 61881-3:201

Tähtaeg 30.12.2010

**Railway applications - Rolling stock equipment - Capacitors for power electronics -Part 3: Electric double-layer capacitors**

This International Standard applies to d.c. electric double-layer capacitors (cell, module and bank) for power electronics intended to be used on rolling stock. This standard specifies quality requirements and tests, safety requirements, and describes installation and operation information. NOTE Example of the application for capacitors specified in this Standard; d.c. energy storage etc. Capacitors not covered by this Standard: – IEC 61881-1, Railway Applications-Rolling stock equipment-Capacitor for power electronics Part 1: Paper/plastic film capacitors; – IEC 61881-2, Railway Applications-Rolling stock equipment-Capacitor for power electronics Part 2: D.C. aluminium electrolytic capacitors with non-solid electrolyte. (under development) Guidance for installation and operation are given in clause 9.

Keel en

**FprEN ISO 3381**

Identne FprEN ISO 3381:2010

ja identne ISO 3381:2005

Tähtaeg 30.12.2010

**Raudteelased rakendused. Akustika. Raudteeveeremi sisemüra mõõtmine**

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

Keel en

Asendab EVS-EN ISO 3381:2007

**prEN 16185-1**

Identne prEN 16185-1:2010

Tähtaeg 30.12.2010

**Railway applications - Braking systems of multiple unit trains - Part 1: Requirements and definitions**

This standard describes the functionality, constraints, performance and operation of a brake system for use in self propelling thermal and electric trains operating on routes of the European conventional rail system network. This standard covers: - all new vehicle designs of self propelling thermal and electric trains, in the following text simply called EMU/DMU; - all major overhauls of the above-mentioned vehicles if they involve redesigning or extensive alteration to the brake system of the vehicle concerned. This standard does not cover - locomotive hauled trains which are specified by EN 14198; - mass transit rolling stock which is specified by EN 13452.

Keel en

**prEN 16185-2**

Identne prEN 16185-2:2010

Tähtaeg 30.12.2010

**Railway applications - Braking systems of multiple unit trains - Part 2: Test methods**

This document specifies test methods and acceptance criteria for a brake system for use in self propelling thermal and electric trains, in the following text called EMU/DMU, operating on routes of the European conventional rail system network. This standard is applicable to: - all new vehicles designs of self propelling thermal and electric trains; - all major overhauls of the EMU/DMU if they involve redesigning or extensive alteration to the brake system of the vehicle concerned. This standard does not cover: - locomotive hauled trains which are specified by EN 14198; - mass transit rolling stock which is specified by EN 13452.

Keel en

**prEN 16186-1**

Identne prEN 16186-1:2010

Tähtaeg 30.12.2010

**Railway applications - Driver's cab - Part 1: Visibility, layout, access**

This standard applies to conventional and high speed interoperable rolling stock with driver's cab. As far as OTMs are concerned, the standard applies only for driving configuration and not for working mode. This standard defines: - anthropometric measurements of the driver (referred as mandatory in the TSI3); - general design rules for layout and access to the cab (for conformity assessment); - front visibility conditions, including positions of line-side signals to be considered (referred to as mandatory in the TSI); - assessment methods for TSI requirements on layout of the cab and accessibility of equipment and controls. Due to railway systems constraints the level of comfort provided to the persons within the defined anthropometric range may vary for the extremes in height. Persons outside the anthropometric range may face some discomfort.

Keel en

## 47 LAEVAEHITUS JA MERE-EHITISED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 61162-3:2008/A1:2010**

Hind 68,00

Identne EN 61162-3:2008/A1:2010

ja identne IEC 61162-3:2008/A1:2010

#### **Maritime navigation and radiocommunication equipment and systems - Digital interfaces -- Part 3: Serial data instrument network**

This part of IEC 61162 is based upon the NMEA 2000 standard. The NMEA 2000 standard contains the requirements for the minimum implementation of a serial-data communications network to interconnect marine electronic equipment onboard vessels. Equipment designed to this standard will have the ability to share data, including commands and status, with other compatible equipment over a single signalling channel.

Keel en

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 2434-001:2010**

Hind 105,00

Identne EN 2434-001:2010

#### **Aerospace series - Paints and varnishes - Two component cold curing polyurethane finish - Part 001: Basic requirements**

This European Standard specifies the basic requirements for a two component polyurethane finish, available in a range of colours and levels of gloss, to be applied over a primer for aerospace applications. The properties specified in this standard are obtained on defined aluminium alloy test pieces prepared in accordance with EN 3837 Procedure A and EN 23270 and painted with primer to EN 2435-002. The ability of the material to be used for a specific application (e.g. alternative substrate, alternative primer, specific drying conditions etc.) shall be determined by supplementary tests to confirm that the requirements of this standard are met.

Keel en

#### **EVS-EN 2434-002:2010**

Hind 105,00

Identne EN 2434-002:2010

#### **Aerospace series - Paints and varnishes - Two component cold curing polyurethane finish - Part 002: High chemical resistance**

This European Standard specifies the requirements for a two component polyurethane finish to be applied over a primer for interior and exterior aerospace applications, where maximum resistance to normal operational fluids is required. The properties specified in this European Standard are obtained on defined aluminium alloy test pieces prepared in accordance with EN 3837 Procedure A and EN 23270 and painted with primer to EN 2435-002. The ability of the material to be used for a specific application (e.g. alternative substrate, alternative primer, specific drying conditions etc.) shall be determined by supplementary tests to confirm that the requirements of this standard are met.

Keel en

#### **EVS-EN 2434-003:2010**

Hind 105,00

Identne EN 2434-003:2010

#### **Aerospace series - Paints and varnishes - Two component cold curing polyurethane finish - Part 003: Flexible and high fluid resistance for interior**

This European Standard specifies the requirements for a two component polyurethane finish, in a limited range of colours, to be applied over a primer for interior aerospace applications, offering flexibility and high resistance to fluid attack. The properties specified in this European Standard are obtained on defined aluminium alloy test pieces prepared in accordance with EN 3837 and EN 23270 and painted with primer to EN 2435-003. The ability of the material to be used for a specific application (e.g. alternative substrate, alternative primer, specific drying conditions etc.) shall be determined by supplementary tests to confirm that the requirements of this standard are met.

Keel en

#### **EVS-EN 2434-004:2010**

Hind 105,00

Identne EN 2434-004:2010

#### **Aerospace series - Paints and varnishes - Two component cold curing polyurethane finish - Part 004: High flexibility**

This European Standard specifies the requirements for a two component polyurethane finish to be applied over a primer mainly for exterior aerospace applications, offering high flexibility. The properties specified in this European Standard are obtained on defined aluminium alloy test pieces prepared in accordance with EN 3837 and EN 23270 and painted with primer to prEN 2435-002. The ability of the material to be used for a specific application (e.g. alternative substrate, alternative primer, specific drying conditions etc.) shall be determined by supplementary tests to confirm that the requirements of this standard are met.

Keel en

#### **EVS-EN 3155-026:2010**

Hind 124,00

Identne EN 3155-026:2010

#### **Aerospace series - Electrical contacts used in elements of connection - Part 026: Contacts, electrical, male, type A, crimp, class R - Product standard**

This standard specifies the required characteristics and tests applicable to male electrical contacts 026, type A, crimp, class R, used in elements of connection according to EN 3155-002. It shall be used together with EN 3155-001. The associated female contacts are defined in EN 3155-027.

Keel en

Asendab EVS-EN 3155-026:2006; EVS-EN 3155-026:2006/AC:2006

#### **EVS-EN 3274:2010**

Hind 114,00

Identne EN 3274:2010

#### **Aerospace series - Pipe coupling 8°30' - Thread end - Geometric configuration**

This standard specifies the characteristics of the thread end for 8°30' pipe couplings, nominal pressure up to 28 000 kPa, for aerospace applications.

Keel en

Asendab EVS-EN 3274:2002



**EVS-EN 3475-100:2010**

Hind 114,00

Identne EN 3475-100:2010

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 100: General**

This European Standard gives general information and the list of test methods for the different characteristics required for cables used in aircraft electrical circuits.

Keel en

Asendab EVS-EN 3475-100:2002

**EVS-EN 3777:2010**

Hind 145,00

Identne EN 3777:2010

**Aerospace series - Pins, quick release, single and double acting - Technical specification**

This standard specifies the characteristics, qualification and acceptance requirements for quick release pins, single and double acting for aerospace applications. It is applicable whenever referenced.

Keel en

**EVS-EN 3843:2010**

Hind 80,00

Identne EN 3843:2010

**Aerospace series - Nuts, bihexagonal, self-locking, with counterbore, in heat resisting steel, passivated - Classification: 1 100 MPa (at ambient temperature) / 650 °C**

This standard specifies the characteristics of bihexagonal self-locking nuts, with counterbore, in heat resisting steel, passivated. Classification: 1 100 MPa 1) / 650 °C 2)

Keel en

**EVS-EN 4023:2010**

Hind 80,00

Identne EN 4023:2010

**Aerospace series - Pipe coupling 8°30' in titanium alloy - Elbows 45°**

This standard specifies the characteristics of elbows 45°, 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 4023:2002

**EVS-EN 4025:2010**

Hind 92,00

Identne EN 4025:2010

**Aerospace series - Pipe coupling 8°30' in titanium alloy - Elbows 45°, bulkhead**

This standard specifies the characteristics of elbows 45°, bulkhead, 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 4025:2002

**EVS-EN 4473:2010**

Hind 135,00

Identne EN 4473:2010

**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

**EVS-EN 4655:2010**

Hind 92,00

Identne EN 4655:2010

**Aerospace series - Steel FE-PM1506 (X1CrNiMoAlTi12-10-2) - Vacuum induction melted and consumable electrode remelted - Solution treated and precipitation treated - Bars - a or D < 200mm - Rm > 1 400 Mpa**

This European Standard specifies the requirements relating to: Steel FE-PM1506 (X1CrNiMoAlTi12-10-2) Vacuum induction melted and consumable electrode remelted Solution treated and precipitation treated Bars a or D ≤ 200 mm Rm ≥ 1 400 MPa for aerospace applications.

Keel en

**EVS-EN 4700-001:2010**

Hind 188,00

Identne EN 4700-001:2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 001: Plate, sheet and strip**

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting (Cobalt, Nickel and iron based alloys) alloy plate, sheet and strip. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**EVS-EN 4700-002:2010**

Hind 198,00

Identne EN 4700-002:2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 002: Bar and section**

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy bar and section. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**EVS-EN 4700-003:2010**

Hind 188,00

Identne EN 4700-003:2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 003: Tube**

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy tube. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**EVS-EN 4700-005:2010**

Hind 166,00

Identne EN 4700-005:2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 005: Forging stock**

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy forging stock. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**EVS-EN 4700-006:2010**

Hind 188,00

Identne EN 4700-006:2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 006: Pre- production and production forgings**

This European Standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of pre-production and production forgings in steel and heat resisting alloys.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 3155-026:2006**

Identne EN 3155-026:2006

**Aerospace series - Electrical contacts used in elements of connection - Part 026: Contacts, electrical, male, type A, crimp, class R - Product standard**

This standard specifies the required characteristics and tests applicable to male electrical contacts 026, type A, crimp, class R, used in elements of connection according to EN 3155-002. It shall be used together with EN 3155-001.

Keel en

Asendatud EVS-EN 3155-026:2010

**EVS-EN 3155-026:2006/AC:2006**

Identne EN 3155-026:2006/AC:2006

**Aerospace series - Electrical contacts used in elements of connection - Part 026: Contacts, electrical, male, type A, crimp, class R - Product standard**

Keel en

Asendatud EVS-EN 3155-026:2010

**EVS-EN 3274:2002**

Identne EN 3274:2001

**Aerospace series - Pipe coupling 8°30' - Thread - Geometric configurations**

This standard specifies the characteristics of the thread ebd for 8°30' pipe couplings, nominal pressure up to 28 000 kPa, for aerospace applications.

Keel en

Asendatud EVS-EN 3274:2010

**EVS-EN 3475-100:2002**

Identne EN 3475-100:2002

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 100: General**

This standard gives general information and the list of test methods for the different characteristics required for cables used in aircraft electrical circuits.

Keel en

Asendatud EVS-EN 3475-100:2010

**EVS-EN 4023:2002**

Identne EN 4023:2001

**Aerospace series - Pipe coupling 8°30' in titanium alloy - Elbows 45°**

This standard specifies the characteristics of elbows 45°, for pipe couplings 8°30', in titanium alloy, for aerospace applications.

Keel en

Asendatud EVS-EN 4023:2010

**EVS-EN 4025:2002**

Identne EN 4025:2001

**Aerospace series - Pipe coupling 8°30' in titanium alloy - Elbows 45°, bulkhead**

This standard specifies the characteristics of elbows 45°, bulkhead, for pipe coupling 8°30', in titanium alloy, for aerospace applications.

Keel en

Asendatud EVS-EN 4025:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 2240-052**

Identne FprEN 2240-052:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 052: Lamp, code 1222 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1222, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-053**

Identne FprEN 2240-053:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 053: Lamp, code 1308 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1308, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-054**

Identne FprEN 2240-054:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 054:****Lamp, code 1317 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1317, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-055**

Identne FprEN 2240-055:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 055:****Lamp, code 1495 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1495, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-056**

Identne FprEN 2240-056:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 056:****Lamp, code 1506 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1506, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-057**

Identne FprEN 2240-057:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 057:****Lamp, code 1512 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1512, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-058**

Identne FprEN 2240-058:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 058:****Lamp, code 1524 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1524, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-059**

Identne FprEN 2240-059:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 059:****Lamp, code 1591 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1591, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-060**

Identne FprEN 2240-060:2010

Tähtaeg 30.12.2010

**Aerospace series - Lamps, incandescent - Part 060:****Lamp, code 1619 - Product standard**

This European Standard specifies the required characteristics for lamp, code 1619, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN ISO 1825**

Identne FprEN ISO 1825:2010

ja identne ISO 1825:2010

Tähtaeg 30.12.2010

**Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification**

This International Standard specifies the dimensions and construction of, and requirements for, four types of hose and hose assembly for use in all operations associated with the ground fuelling and defuelling of aircraft. All four types are designed for a) use with petroleum fuels having an aromatic-hydrocarbon content not exceeding 30 % by volume; b) operation within the temperature range of -30 °C to +65 °C and such that they will be undamaged by climatic conditions of -40 °C to +70 °C when stored in static conditions; c) operation at up to 2,0 MPa (20 bar) maximum working pressure, including surges of pressure which the hose can be subjected to in service.

Keel en

Asendab EVS-EN 1361:2004

**53 TÖSTE- JA TEISALDUS-SEADMED****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 13000:2010/AC:2010**

Hind 0,00

Identne EN 13000:2010/AC:2010

**Kraanad. Liikurkraanad**

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-ISO 6395:2005**

ja identne ISO 6395:1988+A1:1996

**Akustika. Mullatöömasinate välismüra mõõtmine.****Dünaamilise katse tingimused**

Käesolev rahvusvaheline standard kirjeldab mullatöömasinate poolt keskkonda levitatud (emiteeritud) müra määramise meetodit A-korrigeeritud helitugevuse tasemena, kui masin töötab dünaamilise katse tingimustes.

Keel et

**55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 29009:2010**

Hind 68,00

Identne EN 29009:1994

**Klaaskonteinerid. Kõrgus ja otsa mitteparalleelsus klaaskonteineri põhjaga. Teimismetodid**

Standard määrab kindlaks teimismetodid klaaskonteineri kõrguse ning otsa ja klaaskonteineri põhja vahelise mitteparalleelsuse määramiseks.

Keel en

## **EVS-EN ISO 4180:2010**

Hind 166,00

Identne EN ISO 4180:2010

ja identne ISO 4180:2009

### **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 24180-2:2003; EVS-EN 24180-1:2003

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 12375:2000**

Identne EN 12375:1998

#### **Pakend. Painduvad alumiiniumtuubid. Seinapaksuse määramise meetod**

Standard määrab kindlaks meetodi alumiiniumtuubide korpuse valmistamiseks kasutatavate torude materjali paksuse määramiseks. Standard kehtib farmaatsia-, kosmeetika-, hügieenitoodete, toiduainete ja teiste majapidamis- ja tööstustoodete pakkimiseks kasutatavate tuubide kohta.

Keel en

Asendatud EVS-EN 12375:2009

## **59 TEKSTIILI- JA NAHATEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 15930:2010**

Hind 135,00

Identne EN 15930:2010

##### **Fibres - Elasticity of fibres - Test methods**

This test method covers the determination of the elasticity of fibres and may lead to classification of the fibre as elastic fibre (see Annex A). It is applicable to single man-made crimped and uncrimped fibres.

Keel en

#### **EVS-EN ISO 1833-1:2010**

Hind 166,00

Identne EN ISO 1833-1:2010

ja identne ISO 1833-1:2006, Cor 1:2009

##### **Textiles - Quantitative chemical analysis - Part 1: General principles of testing**

This part of ISO 1833 specifies a common method for the quantitative chemical analysis of various binary mixtures of fibres. This method and the methods described in the other parts of ISO 1833 are applicable, in general, to fibres in any textile form. Where certain textile forms are excepted, these are listed in the scope of the appropriate part.

Keel en

#### **EVS-EN ISO 1833-2:2010**

Hind 155,00

Identne EN ISO 1833-2:2010

ja identne ISO 1833-2:2006

##### **Textiles - Quantitative chemical analysis - Part 2: Ternary fibre mixtures**

This part of ISO 1833 specifies methods of quantitative chemical analysis of various ternary mixtures of fibres. The field of application of each method for analysing binary mixtures, specified in the parts of ISO 1833, indicates the fibres to which the method is applicable.

Keel en

#### **EVS-EN ISO 1833-3:2010**

Hind 68,00

Identne EN ISO 1833-3:2010

ja identne ISO 1833-3:2006

##### **Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate and certain other fibres (method using acetone)**

This part of ISO 1833 specifies a method, using acetone, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of binary mixtures of - acetate and - wool, animal hair, silk, regenerated protein, cotton (scoured, kiered, or bleached), flax, hemp, jute, abaca, alfa, coir, broom, ramie, cupro, viscose, modal, polyamide, polyester, acrylic and glass fibres. It is not applicable to mixtures containing modacrylic fibres, nor to mixtures containing acetate fibres that have been deacetylated on the surface.

Keel en

#### **EVS-EN ISO 1833-4:2010**

Hind 68,00

Identne EN ISO 1833-4:2010

ja identne ISO 1833-4:2006

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

This part of ISO 1833 specifies a method, using hypochlorite, to determine the percentage of protein fibre, after removal of non-fibrous matter, in textiles made of binary mixtures of certain non-protein fibres and one protein fibre, as follows: - wool, chemically-treated wool, other animal-hair fibres, silk, regenerated protein fibres based on casein, and - cotton, cupro, viscose, modal, acrylic, chlorofibres, polyamide, polyester, polypropylene, glass and elastane. If several protein fibres are present, the method gives the total of their amounts but not their individual quantities.

Keel en

**EVS-EN ISO 1833-5:2010**

Hind 80,00

Identne EN ISO 1833-5:2010

ja identne ISO 1833-5:2006

**Textiles - Quantitative chemical analysis - Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate)**

This part of ISO 1833 specifies a method, using sodium zincate, to determine the percentage of viscose, cupro or modal fibre, after removal of non-fibrous matter, in textiles made of binary mixtures of - viscose or most of the current cupro or modal fibres and - raw, scoured, kiered or bleached cotton. Where a cupro or modal fibre is present, a preliminary test should be carried out to see whether it is soluble in the reagent. The method is not applicable to mixtures in which the cotton has suffered extensive chemical degradation, nor when the viscose, cupro or modal fibre is rendered incompletely soluble by the presence of certain permanent finishes or reactive dyes that cannot be removed completely.

Keel en

**EVS-EN ISO 1833-6:2010**

Hind 80,00

Identne EN ISO 1833-6:2010

ja identne ISO 1833-6:2007

**Textiles - Quantitative chemical analysis - Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride)**

This part of ISO 1833 specifies a method, using a mixture of formic acid and zinc chloride, to determine the percentage of cotton, after removal of non-fibrous matter, in textiles made of binary mixtures of - viscose or some cupro, modal and lyocell fibres, with - cotton. If a cupro or modal or lyocell fibre is found to be present, a preliminary test is carried out to see whether it is soluble in the reagent. The method is not applicable to mixtures in which the cotton has suffered extensive chemical degradation, nor when the viscose, cupro, modal or lyocell fibre is rendered incompletely soluble by the presence of certain permanent finishes or reactive dyes that cannot be removed completely. **WARNING** - This part of ISO 1833 calls for the use of substances/procedures that may be injurious to the health/environment if appropriate conditions are not observed. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety/environment at any stage.

Keel en

**EVS-EN ISO 1833-7:2010**

Hind 80,00

Identne EN ISO 1833-7:2010

ja identne ISO 1833-7:2006

**Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide and certain other fibres (method using formic acid)**

This part of ISO 1833 specifies a method, using formic acid, to determine the percentage of polyamide fibre, after removal of non-fibrous matter, in textiles made of binary mixtures of - polyamide and - cotton, viscose, cupro, modal, polyester, polypropylene, chlorofibre, acrylic or glass fibre. It is also applicable to mixtures with wool and animal hair, but when the wool content exceeds 25 %, the method described in ISO 1833-4 should be used.

Keel en

**EVS-EN ISO 1833-8:2010**

Hind 68,00

Identne EN ISO 1833-8:2010

ja identne ISO 1833-8:2006

**Textiles - Quantitative chemical analysis - Part 8: Mixtures of acetate and triacetate fibres (method using acetone)**

This part of ISO 1833 specifies a method, using acetone, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of binary mixtures of - acetate and - triacetate fibres.

Keel en

**EVS-EN ISO 1833-9:2010**

Hind 68,00

Identne EN ISO 1833-9:2010

ja identne ISO 1833-9:2006

**Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate and triacetate fibres (method using benzyl alcohol)**

This part of ISO 1833 specifies a method, using benzyl alcohol, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of binary mixtures of - acetate and - triacetate fibres.

Keel en

**EVS-EN ISO 1833-10:2010**

Hind 68,00

Identne EN ISO 1833-10:2010

ja identne ISO 1833-10:2006

**Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate or polylactide and certain other fibres (method using dichloromethane)**

This part of ISO 1833 specifies a method, using dichloromethane, to determine the percentage of triacetate, after removal of non-fibrous matter, in textiles made of binary mixtures of - triacetate or polylactide and - wool, regenerated protein, cotton (scoured, kiered, or bleached), viscose, cupro, modal, polyamide, polyester, acrylic and glass fibres. Triacetate fibres which have received a finish leading to partial hydrolysis cease to be completely soluble in the reagent. In such cases, this method is not applicable.

Keel en

**EVS-EN ISO 1833-11:2010**

Hind 68,00

Identne EN ISO 1833-11:2010

ja identne ISO 1833-11:2006

**Textiles - Quantitative chemical analysis - Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid)**

This part of ISO 1833 specifies a method, using sulfuric acid, to determine the proportion of cellulose fibre, after removal of non-fibrous matter, in textiles made of mixtures of - natural and regenerated cellulose fibres and - polyester fibre.

Keel en

**EVS-EN ISO 1833-12:2010**

Hind 80,00

Identne EN ISO 1833-12:2010

ja identne ISO 1833-12:2006

**Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)**

This part of ISO 1833 specifies a method, using dimethylformamide, to determine the percentage of acrylic, modacrylic, chlorofibre or elastane, after removal of non-fibrous matter, in textiles made of binary mixtures of - acrylic, certain modacrylics, certain chlorofibres, certain elastanes and - animal fibres, cotton (scoured, kieran or bleached), viscose, cupro, modal, polyamide, polyester or glass fibres. It is applicable to animal hair, wool and silk dyed with pre-metallized dyes, but not to those dyed with after-chrome dyes.

Keel en

**EVS-EN ISO 1833-13:2010**

Hind 80,00

Identne EN ISO 1833-13:2010

ja identne ISO 1833-13:2006

**Textiles - Quantitative chemical analysis - Part 13: Mixtures of certain chlorofibres and certain other fibres (method using carbon disulfide/acetone)**

This part of ISO 1833 specifies a method, using carbon disulfide/acetone, to determine the percentage of chlorofibre, after removal of non-fibrous matter, in textiles made of mixtures of - certain chlorofibres, whether after-chlorinated or not, and - wool, animal hair, silk, cotton, viscose, cupro, modal, polyamide, polyester, acrylic and glass fibres. When the wool or silk content of a mixture exceeds 25 %, the method described in ISO 1833-4 should be used. When the polyamide content of a mixture exceeds 25 %, the method described in ISO 1833-7 should be used.

Keel en

**EVS-EN ISO 1833-14:2010**

Hind 68,00

Identne EN ISO 1833-14:2010

ja identne ISO 1833-14:2006

**Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate and certain chlorofibres (method using acetic acid)**

This part of ISO 1833 specifies a method, using acetic acid, to determine the percentage of acetate, after removal of non-fibrous matter, in textiles made of mixtures of - acetate and - certain chlorofibres or after-chlorinated chlorofibres.

Keel en

**EVS-EN ISO 1833-15:2010**

Hind 80,00

Identne EN ISO 1833-15:2010

ja identne ISO 1833-15:2006

**Textiles - Quantitative chemical analysis - Part 15: Mixtures of jute and certain animal fibres (method by determining nitrogen content)**

This part of ISO 1833 specifies a method, by determining the nitrogen content, to calculate the proportion of each component, after the removal of non-fibrous matter, in textiles made of binary mixtures of - jute and - animal fibres. The animal-fibre component may consist solely of hair or wool, or of any mixtures of the two. This part of ISO 1833 is not applicable to products in which dyestuffs or finishes contain nitrogen.

Keel en

**EVS-EN ISO 1833-16:2010**

Hind 68,00

Identne EN ISO 1833-16:2010

ja identne ISO 1833-16:2006

**Textiles - Quantitative chemical analysis - Part 16: Mixtures of polypropylene fibres and certain other fibres (method using xylene)**

This part of ISO 1833 specifies a method, using xylene, to determine the percentage of polypropylene, after removal of non-fibrous matter, in textiles made of binary mixtures of - polypropylene fibres and - wool, animal hair, silk, cotton, viscose, cupro, modal, acetate, triacetate, polyamide, polyester, acrylic and glass fibres.

Keel en

**EVS-EN ISO 1833-17:2010**

Hind 80,00

Identne EN ISO 1833-17:2010

ja identne ISO 1833-17:2006

**Textiles - Quantitative chemical analysis - Part 17: Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid)**

This part of ISO 1833 specifies a method, using sulfuric acid, to determine the percentage of chlorofibres, after removal of non-fibrous material, in textiles made of binary mixtures of - chlorofibres based on homopolymers of vinyl chloride (after-chlorinated or not) and - cotton, viscose, cupro, modal, acetate, triacetate, polyamide, polyester, certain acrylic and certain modacrylic fibres. [The modacrylics concerned are those which give a limpid solution when immersed in concentrated sulfuric acid ( $\rho = 1,84 \text{ g/ml}$ ).] This method can be used, particularly in place of the methods described in ISO 1833-12 and ISO 1833-13, in all cases where a preliminary test shows that the chlorofibres do not dissolve completely either in dimethylformamide or in the azeotropic mixture of carbon disulfide and acetone.

Keel en

**EVS-EN ISO 1833-18:2010**

Hind 68,00

Identne EN ISO 1833-18:2010

ja identne ISO 1833-18:2006

**Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk and wool or hair (method using sulfuric acid)**

This part of ISO 1833 specifies a method, using sulfuric acid, to determine the percentage of silk, after removal of non-fibrous matter, in textiles made of binary mixtures of - silk and - wool or animal hair.

Keel en

**EVS-EN ISO 1833-19:2010**

Hind 68,00

Identne EN ISO 1833-19:2010

ja identne ISO 1833-19:2006

**Textiles - Quantitative chemical analysis - Part 19: Mixtures of cellulose fibres and asbestos (method by heating)**

This part of ISO 1833 specifies a method, by heating, to determine the percentage of cellulosic fibre in textiles made of binary mixtures of - cotton or regenerated cellulose and - chrysotile and crocidolite asbestos. This method may be applicable to other types of asbestos, subject to agreement between the interested parties.

Keel en

## **EVS-EN ISO 1833-20:2010**

Hind 80,00

Identne EN ISO 1833-20:2010

ja identne ISO 1833-20:2009

### **Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane and certain other fibres (method using dimethylacetamide)**

This part of ISO 1833 specifies a method using dimethylacetamide to determine the percentage of elastane, after removal of non-fibrous matter, in textiles made of binary mixtures of certain elastane fibres with cotton, viscose, cupro, modal, polyamide, polyester or wool fibres. This method is not applicable when acrylic fibres are present.

Keel en

## **EVS-EN ISO 1833-21:2010**

Hind 92,00

Identne EN ISO 1833-21:2010

ja identne ISO 1833-21:2006

### **Textiles - Quantitative chemical analysis - Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone)**

This part of ISO 1833 specifies a method, using cyclohexanone, to determine the percentage of chlorofibre, modacrylic, elastane, acetate and triacetate, after removal of non-fibrous matter, in textiles made of binary mixtures of - acetate, triacetate, chlorofibre, certain modacrylics, certain elastanes and - wool, animal hair, silk, cotton, cupro, modal, viscose, polyamide, acrylic and glass fibre. Where modacrylics or elastanes are present, a preliminary test should be carried out to determine whether the fibre is completely soluble in the reagent. It is also possible to analyse mixtures containing chlorofibres by using the test methods described in ISO 1833-13 or ISO 1833-17.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 14906**

Identne prEN 14906:2010

Tähtaeg 30.12.2010

#### **Leather - Leather for automotive - Test methods**

This document gives guidelines to select the test methods to assess the performance of leather for automotive. This document also specifies the sampling and conditioning procedures of specimens.

Keel en

## **prEN ISO 6330**

Identne prEN ISO 6330:2010

ja identne ISO/DIS 6330:2010

Tähtaeg 30.12.2010

### **Tekstiil - Koduse pesemise ja kuivatamise menetlused tekstiili testimisel**

1.1 This International Standard specifies domestic washing and drying procedures for textile testing. The procedures are applicable to textile fabrics, garments or other textile articles which are subjected to appropriate combinations of domestic washing and drying procedures. 1.2 Provision is made for: a) 13 different washing procedures based on the use of a horizontal drum, front-loading type of machine (Reference machine Type A) and b) 11 procedures based on the use of a top-loading agitator type of machine (Reference machine Type B). c) 7 procedures based on the use of a top loading pulsator type of machine (Reference machine Type C). 1.3 Each washing procedure represents a single domestic wash. 1.4 This International Standard also specifies five drying procedures: A - Line dry B - Drip line dry C - Flat dry and drip flat dry D - Flat press E - Tumble dry 1.5 A complete test consists of a washing and drying procedure.

Keel en

Asendab EVS-EN ISO 6330:2001

### **prEN ISO 10772**

Identne prEN ISO 10772:2010

ja identne ISO/DIS 10772:2010

Tähtaeg 30.12.2010

#### **Test method for the determination of the filtration behaviour of geotextiles under turbulent water flow conditions**

This standard describes a test method for determining the soil passing through a geotextile filter when exposed to turbulent external water flow conditions. The test provides an index value as performance test for the design of erosion protection layers in hydraulic engineering applications.

Keel en

### **prEN ISO 10776**

Identne prEN ISO 10776:2010

ja identne ISO/DIS 10776:2010

Tähtaeg 30.12.2010

#### **Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, under load**

This standard describes a method for determining the water permeability characteristics of geotextiles or geotextile-related products normal to the plane when subjected to specific normal compressive loads.

Keel en

### **prEN ISO 14268**

Identne prEN ISO 14268:2010

ja identne ISO/DIS 14268:2010

Tähtaeg 30.12.2010

#### **Leather - Physical and mechanical tests - Determination of water vapour permeability**

This International Standard describes a method for determining the water vapour permeability of leather and provides alternative methods of sample preparation. It is applicable to all leathers below 3,0 mm thickness.

Keel en

Asendab EVS-EN ISO 14268:2003

## 65 PÖLLUMAJANDUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 60335-2-76:2005/A12:2010**

Hind 80,00

Identne EN 60335-2-76:2005/A12:2010

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-76: Erinõuded elektritara impulsigeneraatoritele**

Applicable to the safety of electric fence energizers, the rated voltage of which is not more than 250 V.

Keel en

#### **EVS-EN 60335-2-77:2010**

Hind 295,00

Identne EN 60335-2-77:2010

ja identne IEC 60335-2-77:2002

#### **Safety of household and similar appliances - Part 2-77: Particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers**

This clause of Part 1 is replaced by the following. This European Standard specifies safety requirements and their verification for the design and construction of pedestrian controlled walk-behind electrically powered lawnmowers. This standard applies in conjunction with EN 60335-1. This European Standard does not apply to - lawn trimmers, lawn edge trimmers, lawn edgers, flail mowers, scrub cutters, automatic (robot) lawn mowers, sickle-bar mowers, agricultural mowers, trailing seat/sulky units, ride-on machines or non-powered lawnmowers - rotary lawnmowers for which the cutting means is a generally circular central drive unit on which is mounted, either one or more non-metallic filaments or one or more non-metallic, pivotally mounted cutting elements. These cutting elements rely on centrifugal force to achieve cutting, with the kinetic energy of a single cutting element not exceeding 10 J, - battery powered lawnmowers with a rated voltage of the battery more than 42 V d.c. Requirements for battery chargers, including those incorporated into the machine are dealt with in EN 60335-2-29. This European Standard is not applicable to lawnmowers, which are manufactured before the date of publication of this document by CENELEC.

Keel en

Asendab EVS-EN 60335-2-77:2006; EVS-EN 50338:2006

#### **EVS-EN ISO 12863:2010**

Hind 166,00

Identne EN ISO 12863:2010

ja identne ISO 12863:2010

#### **Standardne katsemeetod sigarettide süttivuse hindamiseks**

This International Standard provides a standard assessment of the capability of a cigarette, positioned on one of three standard substrates, to extinguish or to generate sufficient heat to continue burning, and thus potentially cause ignition of bedding or upholstered furniture. This International Standard is applicable to factory-made cigarettes that burn along the length of a tobacco column. This is a performance-based standard; it does not prescribe any design features of the cigarette that might lead to improved or degraded performance in the test method. The output of this method has been correlated with the potential for cigarettes to ignite upholstered furniture.

Keel en

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 50338:2006**

Identne EN 50338:2006

#### **Elektriliste majapidamis- ja muude taoliste elektriseadmete ohutus. Erinõuded kõndimisel juhitavatele akutoitega elektrilistele muruniidukitele**

This standard specifies safety requirements and their verification for the design and construction of pedestrian controlled battery powered electrical cylinder or rotary lawnmowers with a rated voltage of the battery being not more than 42 V d.c.

Keel en

Asendab EVS-EN 50338:2002/A1:2004; EVS-EN 50338:2002

Asendatud EVS-EN 60335-2-77:2010

#### **EVS-EN 60335-2-77:2006**

Identne EN 60335-2-77:2006

ja identne IEC 60335-2-77:1996

#### **Majapidamis- ja muud taolised elektriseadmed.**

#### **Ohutus. Osa 2-77 Erinõuded kõndimisel juhitavatele võrgutoitelistele muruniidukitele**

This European Standard specifies safety requirements and their verification for the design and construction of pedestrian controlled mains-operated electrical cylinder or rotary lawnmowers with a rated voltage being not more than 250 V single phase.

Keel en

Asendab EVS-EN 60335-2-77:2002

Asendatud EVS-EN 60335-2-77:2010

### KAVANDITE ARVAMUSKÜSITLUS

#### **prEN 16160**

Identne prEN 16160:2010

Tähtaeg 30.12.2010

#### **Animal feeding stuffs - Determination of Hydrocyanic acid by HPLC**

This European Standard is applicable to the quantitative analysis of bound and free cyanide in animal feed and feed materials of plant origin. The method is validated from 10 – 350 mg HCN/kg. When the method is used outside this range it should be validated. A limit of quantification of 2 mg HCN /kg should normally be achievable.

Keel en

#### **prEN 16162**

Identne prEN 16162:2010

Tähtaeg 30.12.2010

#### **Animal feeding stuffs - Determination of Decoquinatone by HPLC with fluorescence detection**

This European Standard describes the determination of decoquinatone. This high-performance liquid chromatographic (HPLC) method with a fluorescence detection is applicable to the quantification of decoquinatone content in complete -, complementary compound feeds, supplements, premixture and feed additives. The limit of detection is around 0,1 or 0,3 mg/kg and the limit of quantification is around 0,5 mg/kg. These limits were validated during the collaborative study [11], from results on the blank feed. Lower limits of detection or quantification could be reached but an in-house validation is then requested.

Keel en



## 67 TOIDUAINETE TEHNOLOOGIA

### UUED STANDARDID JA PUBLIKATSIOONID

#### EVS-EN 12042:2005+A1:2010

Hind 243,00

Identne EN 12042:2005+A1:2010

#### **Toidutöötlemismasinad. Automaatsed jagamiseadmed. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

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. These automatic dividers are used in the food industry and shops (pastry-making, bakeries, confectionery, etc.) for dividing dough or pastry into portions to produce the required weight of dough piece. These machines can be fed by hand or automatically. This European Standard specifies all significant hazards, hazardous situations and events relevant to the installation, adjustment, operation, cleaning, maintenance, dismantling, disabling and scrapping of automatic dividers, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). When drafting this European Standard, it has been assumed that the machines are not intended to be cleaned with water.

Keel en

Asendab EVS-EN 12042:2005

#### EVS-EN 12043:2001+A1:2010

Hind 243,00

Identne EN 12043:2000+A1:2010

#### **Toidutöötlemismasinad. Vahekergitajad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This standard specifies safety and hygiene requirements for the design and manufacture of intermediate provers with moving pocket carriers as described in Clause 3" used in the food industry, pastry-making, bakeries, etc. for giving a resting time to dough between dividing and moulding processes. This European Standard specifies all significant hazards, hazardous situations and events relevant to the installation, adjustment, operation, cleaning, maintenance, dismantling, disabling and scrapping of intermediate provers with moving pocket carriers when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). The significant hazards covered by the standard are mechanical (shearing, trapping, cutting, loss of stability), electrical, ergonomic and also those resulting from inhalation of flour dust and lack of hygiene. Noise is not considered to be a significant hazard from intermediate provers. This does not mean that the manufacturer of the machine is absolved from reducing noise and making a noise declaration. Therefore a noise test code is proposed in Annex B.

Keel en

Asendab EVS-EN 12043:2001

#### EVS-EN 15890:2010

Hind 135,00

Identne EN 15890:2010

#### **Toiduained. Patuliini sisalduse määramine puuviljamahlas ja väikelastele mõeldud puuviljapüreeades vedelikkromatograafilisel meetodil UV detektoriga ja eelneva vedelik/vedelik puhastamise ning tahke faasi ekstraktsiooniga**

This European Standard specifies a method for the determination of patulin in fruit juices and fruit-based purée, such as baby food purée, using high performance liquid chromatography with ultra-violet detection (HPLC-UV). Using naturally contaminated and spiked samples this method has been validated for the determination of patulin in apple juice, at levels ranging from 3,0 µg/kg to 15,5 µg/kg, and in fruit-based baby food purée, at levels ranging from 3,4 µg/kg to 17,9 µg/kg. Baby food fruit purée used in this study contained a mixture of the following ingredients which are commercially available on the European market: blueberry; apple; banana; lemon; wheat biscuits; wheat syrup; whole milk; and vegetable oil. A detailed listing, including the fractions, of each product used in this study is given in [1]. Further information on validation, see Clause 9 and Annex B.

Keel en

#### EVS-EN 15891:2010

Hind 155,00

Identne EN 15891:2010

#### **Toiduained. Deoksünivalenooli sisalduse määramine teraviljades, teraviljatoodetes ja teraviljapõhistes imiku- ja väikelastetoitudes vedelikkromatograafilisel meetodil UV detektoriga ja eelneva puhastamisega immunoaffiinsus kolonnis**

This European Standard specifies a method for the determination of deoxynivalenol (DON) in cereals (grain and flour), cereal based foods and cereal based foods for infants and young children by high performance liquid chromatography (HPLC) with immunoaffinity cleanup and UV detection. This method has been validated in three interlaboratory studies. The first study was for the analysis of samples of wheat, rice flour, oat flour, maize, polenta, and wheat based breakfast cereal ranging from 85,4 µg/kg to 1 768 µg/kg, the second study was for wheat and maize ranging from 165 µg/kg to 4 700 µg/kg and the third study was for cereal based foods for infants and young children ranging from 58 µg/kg to 452 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 ISO 13720:2010

Hind 105,00

Identne EN ISO 13720:2010

ja identne ISO 13720:2010

#### **Meat and meat products - Enumeration of presumptive Pseudomonas spp.**

This International Standard specifies a method for the enumeration of presumptive Pseudomonas spp. present in meat and meat products, including poultry.

Keel en

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS 647:1993**

ja identne EVS 647:1993

#### **Makaronitoodete kõvast nisujahust (durum). Spagettide keedukvaliteedi hindamine sensoorse analüüsi abil**

Standard määrab kindlaks meetodi spegetikujuliste makaronitoodete keedukvaliteedi, mis on väljendatud pealispinna olukorra ja tugevusomadustega, hindamiseks sensoorse analüüsi abil.

Keel et

### **EVS 648:1993**

ja identne EVS 648:1993

#### **Veiserümpade klassifikatsioon**

Käesolev klassifikatsioon määrab veiserümpade kvaliteedi hindamise alused. Hindamisele kuuluvad veiserümpad on töödeldud kehtivate tehnoloogiaühiste järgi, järgides lihatööstusettevõtetele kehtestatud veterinaar-sanitaarnõudeid. Hinnatud veiserümpa kasutatakse tööstuslikuks otstarbeks või müügiks, väljastatuna pool- ja veerandrümpadena, püstol- või raieükkidena.

Keel et

### **EVS 723:1995**

ja identne EVS 723:1995

#### **Liha ja lihatooted. Proovivõtumeetodid**

Standard käsitleb lihast ja lihatoodetest proovide võtmise meetodeid nende organoleptiliseks hindamiseks ning mikrobioloogilisteks ja füüsikalise-keemilisteks analüüsideks.

Keel et

### **EVS-EN 12042:2005**

Identne EN 12042:2005

#### **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

Asendatud EVS-EN 12042:2005+A1:2010

### **EVS-EN 12043:2001**

Identne EN 12043:2000

#### **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

Asendatud EVS-EN 12043:2001+A1:2010

## **71 KEEMILINE TEHNOLOOGIA**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 13623:2010**

Hind 209,00

Identne EN 13623:2010

#### **Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity against Legionella of chemical disinfectants for aqueous systems - Test method and requirements (phase 2, step 1)**

This European Standard specifies a test method and the minimum requirements for bactericidal activity of chemical disinfectant products intended to be used for treatment in aqueous systems against Legionella pneumophila that form a homogeneous, physically stable preparation when diluted with buffered ferrous hard water or hard water. Whenever Legionella pneumophila poses a risk to human health, this method is suitable for water used in cooling towers and water for general purposes, like spas, pools, showers and other uses. The method is not suitable for electro-chemical disinfection. The European Standard applies to products used to treat water in order to kill Legionella pneumophila.

Keel en

**EVS-EN 15947-5:2010**

Hind 188,00

Identne EN 15947-5:2010

**Pürotehnilised tooted. Kategooria 1, 2 ja 3 ilutulestik. Osa 5: Ehitus- ja toimivusnõuded**

This European Standard specifies requirements for the construction, performance and primary packaging of fireworks of category 1, 2 and 3 of the following types: - aerial wheels; - bangers; - batteries and combinations; - Bengal flames; - Bengal matches; - Bengal sticks; - Christmas crackers; - crackling granules; - double bangers; - flash bangers; - flash pellets; - fountains; - ground movers; - ground spinners; - hand-held sparklers; - jumping crackers; - jumping ground spinners; - mines; - mini rockets; - non-hand-held sparklers; - novelty matches; - party poppers; - rockets; - Roman candles; - serpents; - shot tubes;- snaps; - spinners; - table bombs; - throwdowns; - wheels. This European Standard does not apply for articles containing military explosives or commercial blasting agents except for black powder or flash composition. This European Standard does not apply for articles containing pyrotechnic composition that includes any of the following substances: - arsenic or arsenic compounds; - hexachlorobenzene; - mixtures containing a mass fraction of chlorates greater than 80 %; - mixtures of chlorates with metals; - mixtures of chlorates with red phosphorus (except when used in Christmas crackers, party poppers or snaps); - mixtures of chlorates with potassium hexacyanoferrate(II); - mixtures of chlorates with sulfur (these mixtures are allowed for friction heads only); - mixtures of chlorates with sulfides; - lead or lead compounds; - mercury compounds; - white phosphorus; - picrates or picric acid; - potassium chlorate with a mass fraction of bromates greater than 0,15 %; - sulfur with an acidity, expressed in mass fraction of sulphuric acid, greater than 0,002 %; - zirconium with a particle size of less than 40 µm.

Keel en

Asendab EVS-EN 14035-34:2003; EVS-EN 14035-23:2003; EVS-EN 14035-19:2003; EVS-EN 14035-4:2003; EVS-EN 14035-15:2003; EVS-EN 14035-27:2003; EVS-EN 14035-12:2003; EVS-EN 14035-3:2004; EVS-EN 14035-6:2004; EVS-EN 14035-7:2004; EVS-EN 14035-8:2004; EVS-EN 14035-9:200

**EVS-EN 15795:2010**

Hind 114,00

Identne EN 15795:2010

**Products used for treatment of water intended for human consumption - Natural unexpanded aluminosilicates**

This European Standard is applicable to natural unexpanded aluminosilicates used for treatment of water intended for human consumption. It describes the characteristics of natural unexpanded aluminosilicates and specifies the requirements and the corresponding test methods for natural unexpanded aluminosilicates and gives information on their use in water treatment.

Keel en

**EVS-EN 15947-1:2010**

Hind 166,00

Identne EN 15947-1:2010

**Pürotehnilised tooted. Kategooria 1, 2 ja 3 ilutulestik. Osa 1: Terminoloogia**

This European Standard defines various terms relating to the design, construction, primary packaging and testing of fireworks of categories 1, 2 and 3.

Keel en

Asendab EVS-EN 14035-1:2003

**EVS-EN 15947-2:2010**

Hind 124,00

Identne EN 15947-2:2010

**Pürotehnilised tooted. Kategooria 1, 2 ja 3 ilutulestik. Osa 2: Ilutulestiku kategooriad ja liigid**

This European Standard establishes a system for dividing fireworks into categories and types. It is applicable to fireworks in categories 1, 2 and 3.

Keel en

Asendab EVS-EN 14035-2:2003

**EVS-EN 15947-3:2010**

Hind 166,00

Identne EN 15947-3:2010

**Pürotehnilised tooted. Kategooria 1, 2 ja 3 ilutulestik. Osa 3: Minimaalsed märgistusnõuded**

This European Standard specifies minimum labelling requirements for the article and primary or selection packaging of fireworks of the following types: - aerial wheels; - bangers; - batteries and combinations; - Bengal flames; - Bengal matches; - Bengal sticks; - Christmas crackers; - crackling granules; - double bangers; - flash bangers; - flash pellets; - fountains; - ground movers; - ground spinners; - hand-held sparklers; - jumping crackers; - jumping ground spinners; - mines; - mini rockets; - non-hand-held sparklers; - novelty matches; - party poppers; - rockets; - Roman candles; - serpents; - shot tubes;- snaps; - spinners; - table bombs; - throwdowns; - wheels.

Keel en

Asendab EVS-EN 14035-34:2003; EVS-EN 14035-23:2003; EVS-EN 14035-19:2003; EVS-EN 14035-4:2003; EVS-EN 14035-15:2003; EVS-EN 14035-27:2003; EVS-EN 14035-12:2003; EVS-EN 14035-3:2004; EVS-EN 14035-6:2004; EVS-EN 14035-7:2004; EVS-EN 14035-8:2004; EVS-EN 14035-9:200

**EVS-EN 15947-4:2010**

Hind 219,00

Identne EN 15947-4:2010

**Pürotehnilised tooted. Kategooria 1, 2 ja 3 ilutulestik. Osa 4: Katsemeetodid**

This European Standard specifies test methods. It is applicable to fireworks in categories 1, 2 and 3 according to EN 15947-2:2010.

Keel en

Asendab EVS-EN 14035-34:2003; EVS-EN 14035-23:2003; EVS-EN 14035-19:2003; EVS-EN 14035-4:2003; EVS-EN 14035-15:2003; EVS-EN 14035-27:2003; EVS-EN 14035-12:2003; EVS-EN 14035-3:2004; EVS-EN 14035-6:2004; EVS-EN 14035-7:2004; EVS-EN 14035-8:2004; EVS-EN 14035-9:200

## **EVS-EN 61207-1:2010**

Hind 219,00

Identne EN 61207-1:2010

ja identne IEC 61207-1:2010

### **Expression of performance of gas analyzers; part 1: general**

This part of IEC 61207 is applicable to gas analyzers used for the determination of certain constituents in gaseous mixtures. This part of IEC 61207 specifies the terminology, definitions, requirements for statements by manufacturers and tests that are common to all gas analyzers. Other international standards in this series, for example IEC 61207-2, describe those aspects that are specific to certain types (utilizing high-temperature electrochemical sensors). This part IEC 61207 is in accordance with the general principles set out in IEC 60359 and IEC 60770. This standard is applicable to analyzers specified for permanent installation in any location (indoors or outdoors) and to such analyzers utilizing either a sample handling system or an in situ measurement technique. This standard is applicable to the complete analyzer when supplied by one manufacturer as an integral unit, comprised of all mechanical, electrical and electronic portions. It also applies to sensor units alone and electronic units alone when supplied separately or by different manufacturers. For the purposes of this standard, any regulator for mains-supplied power or any non-mains power supply, provided with the analyzer or specified by the manufacturer, is considered part of the analyzer whether it is integral with the analyzer or housed separately. Safety requirements are dealt with in IEC 61010-1. If one or more components in the sample is flammable, and air or another gas mixture containing oxygen or other oxidizing component is present, then the concentration range of the reactive components are limited to levels which are not within flammability limits. Standard range of analogue d.c. current and pneumatic signals used in process control systems are dealt with in IEC 60381-1 and IEC 60382. Specifications for values for the testing of influence quantities can be found in IEC 60654. Requirements for documentation to be supplied with instruments are dealt with in IEC 61187. Requirements for general principles concerning quantities, units and symbols are dealt with in ISO 1000. See also ISO 31-0. This part of IEC 61207 does not apply to: - accessories such as recorders, analogue-to-digital converters or data acquisition systems used in conjunction with the analyzer, except that when two or more such analyzers are combined and sold as a subsystem and a single electronic unit is supplied to provide continuous measurement of several properties, that read-out unit is considered to be part of the analyzer. Similarly, e.m.f-to-current or e.m.f-to-pressure converters which are an integral part of the analyzer are included.

Keel en

Asendab EVS-EN 61207-1:2002

## **ASENDATUD VÕI TÛHISTATUD STANDARDID**

### **EVS-EN 14035-2:2003**

Identne EN 14035-2:2003+AC:2005

#### **Fireworks - Part 2: Categorisation**

This European Standard specifies a system for the categorisation of fireworks

Keel en

Asendatud EVS-EN 15947-2:2010

### **EVS-EN 14035-4:2003**

Identne EN 14035-4:2003+AC:2005

#### **Fireworks - Part 4: Banger and banger batteries - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of bangers and banger batteries and the corresponding test methods. It is applicable to fireworks which are classified as bangers and banger batteries in categories 1, 2 and 3 according to EN 14035-2 and which contain pyrotechnic report composition that is black powder only

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

### **EVS-EN 14035-12:2003**

Identne EN 14035-12:2003+AC:2005

#### **Fireworks - Part 12: Flash bangers and flash banger batteries - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of flash bangers and flash banger batteries and the corresponding test methods. It is applicable to fireworks which are classified as flash bangers and flash banger batteries in categories 1, 2 and 3 in EN 14035-2 and which contain pyrotechnic report composition that is nitrate/metal-based or perchlorate/metal-based

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

### **EVS-EN 14035-15:2003**

Identne EN 14035-15:2003+AC:2005

#### **Fireworks - Part 15: Fountains - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of fountains and the corresponding test methods. It is applicable to indoor fireworks which are classified as fountains in category 1 in EN 14035-2 and in which the pyrotechnic composition is based on nitrocellulose with a mass fraction of nitrogen of not more than 12,6 %

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

### **EVS-EN 14035-19:2003**

Identne EN 14035-19:2003

#### **Fireworks - Part 19: Hand-held sparklers - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of hand-held sparklers and the corresponding test methods. It is applicable to fireworks which are classified as hand-held sparklers in categories 1 and 2 in EN 14035-2 and which are contained in a primary pack

Keel en

Asendatud EVS-EN 15947-5:2010; EVS-EN 15947-3:2010; EVS-EN 15947-4:2010

**EVS-EN 14035-23:2003**

Identne EN 14035-23:2003+AC:2005

**Fireworks - Part 23: Non-hand-held sparklers - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of non-hand-held sparklers and the corresponding test methods. It is applicable to fireworks which are classified as non-hand-held sparklers in categories 1 and 2 in EN 14035-2 and which are contained in a primary pack

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-5:2010; EVS-EN 15947-4:2010

**EVS-EN 14035-27:2003**

Identne EN 14035-27:2003+AC:2005

**Fireworks - Part 27: Rockets - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of rockets and the corresponding test methods. It is applicable to fireworks which are classified as rockets in categories 2 and 3 in EN 14035-2

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-34:2003**

Identne EN 14035-34:2003+AC:2005

**Fireworks - Part 34: Table bombs - Specification and methods of test**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of table bombs and the corresponding test methods. It is applicable to fireworks which are classified as table bombs in category 1 EN 14035-2 which contain pyrotechnic composition that is nitrocellulose, with a mass fraction of nitrogen of not more than 12,6 %

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-5:2010; EVS-EN 15947-4:2010

**EVS-EN 14035-1:2003**

Identne EN 14035-1:2003+AC:2005

**Fireworks - Part 1: Terminology**

This European Standard defines various terms relating to the design, construction, primary packaging and testing of fireworks

Keel en

Asendatud EVS-EN 15947-1:2010

**EVS-EN 14035-3:2004**

Identne EN 14035-3:2004+AC:2006

**Fireworks - Part 3: Aerial wheels - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of aerial wheels and the corresponding test methods. It is applicable to fireworks which are classified as aerial wheels in category 3 in EN 14035-2 and which are supplied together with a launching device.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-5:2006**

Identne EN 14035-5:2006

**Fireworks - Part 5: Batteries and combinations - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of batteries and combinations and the corresponding test methods. It is applicable to fireworks which are classified as batteries and combinations in categories 2 and 3 according to EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-6:2004**

Identne EN 14035-6:2004

**Fireworks - Part 6: bengal flames - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of Bengal flames and the corresponding test methods. It is applicable to fireworks which are classified as Bengal flames in categories 1, 2 and 3 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-7:2004**

Identne EN 14035-7:2004

**Fireworks - Part 7: Bengal matches - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of Bengal matches and the corresponding test methods. It is applicable to fireworks which are classified as Bengal match in category 1 in EN 14035-2 and which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-8:2004**

Identne EN 14035-8:2004

**Fireworks - Part 8: Bengal sticks - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of Bengal sticks and the corresponding test methods. It is applicable to fireworks which are classified as Bengal sticks in categories 1 and 2 in EN 14035-2 and which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-9:2004**

Identne EN 14035-9:2004

**Fireworks - Part 9: Crackling granules - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of crackling granules fireworks and the corresponding test methods. It is applicable to fireworks which are classified as crackling granules in categories 1 and 2 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-10:2004**

Identne EN 14035-10:2004

**Fireworks - Part 10: Double banger - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of double bangers and the corresponding test methods. It is applicable to fireworks which are classified as double bangers in category 2 in EN 14035-2. It is applicable to double bangers which contain pyrotechnic report composition that is black powder.

Keel en

Asendatud EVS-EN 15947-4:2010; EVS-EN 15947-3:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-13:2004**

Identne EN 14035-13:2004

**Fireworks - Part 13: Flash pellet - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of flash pellets and the corresponding test methods. It is applicable to fireworks which are classified as flash pellet in categories 1 and 2 in EN 14035-2 which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-17:2004**

Identne EN 14035-17:2004

**Fireworks - Part 17: Ground spinners - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of ground spinners and the corresponding test methods. It is applicable to fireworks which are classified as ground spinners in categories 1 and 2 in EN 14035-2. Category 1 ground spinners, category 2 ground spinners with friction head and category 2 ground spinners with a protruding fuse not designed to resist side ignition should be contained in a primary pack or selection pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-18:2005**

Identne EN 14035-18:2004

**Fireworks - Part 18: Hand-held fountains - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of hand-held fountains and the corresponding test methods. It is applicable to fireworks which are classified as hand-held fountains for outdoor use in category 1 in EN 14035-2 and which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-19:2003/AC:2006**

Identne EN 14035-19:2003/AC:2006

**Fireworks - Part 19: Hand-held sparklers - Specification and test methods**

Keel en

**EVS-EN 14035-20:2005**

Identne EN 14035-20:2005

**Fireworks - Part 20: Jumping crackers - Specification and test methods**

This European Standard specifies requirements for the construction, performance, packaging and labelling of jumping crackers and the corresponding test methods. It is applicable to fireworks which are classified as jumping crackers in category 2 in prEN 14035-2 which contain pyrotechnic report composition that is black powder and which are contained in a primary pack or selection pack

Keel en

Asendatud EVS-EN 15947-4:2010; EVS-EN 15947-3:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-22:2004**

Identne EN 14035-22:2004

**Fireworks - Part 22: Mines - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of mines and the corresponding test methods. It is applicable to fireworks which are classified as mines in categories 2 and 3 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-24:2004**

Identne EN 14035-24:2004

**Fireworks - Part 24: Novelty matches - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of novelty matches and the corresponding test methods. It is applicable to fireworks which are classified as novelty match in category 1 in prEN 14035-2 and which are contained in a primary pack or selection pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-25:2005**

Identne EN 14035-25:2005

**Fireworks - Part 25: Party-Poppers - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of party poppers and the corresponding test methods. It is applicable to fireworks which are classified as party poppers in category 1 of EN 14035-2 and which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-5:2010; EVS-EN 15947-3:2010; EVS-EN 15947-4:2010

**EVS-EN 14035-28:2004**

Identne EN 14035-28:2004 + AC:2006

**Fireworks - Part 28: Roman candles - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of Roman candles and the corresponding test methods. It is applicable to fireworks which are classified as Roman candles in categories 2 and 3 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-29:2004**

Identne EN 14035-29:2004

**Fireworks - Part 29: Serpents - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of serpents and the corresponding test methods. It is applicable to fireworks which are classified as serpents in category 1 in EN prEN 14035-2 and which are contained in a primary pack or selection pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-31:2005**

Identne EN 14035-31:2005

**Fireworks - Part 31: Shell-in-mortars - Specification and test methods**

This European Standard specifies requirements for the construction, performance and labelling of shell-in-mortars and the corresponding test methods. It is applicable to fireworks which are classified as shell-in-mortars of category 3 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-33:2005**

Identne EN 14035-33:2005

**Fireworks - Part 33: Spinners - Specification and test methods**

This European Standard specifies requirements for the construction, performance, packaging and labelling of spinners and the corresponding test methods. It is applicable to fireworks which are classified as spinners of category 1 and category 2 in EN 14035-2 and which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-35:2005**

Identne EN 14035-35:2004

**Fireworks - Part 35: Throwdowns - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of throwdowns and the corresponding test methods. It is applicable to fireworks which are classified as throwdowns in category 1 in prEN 14035-2 which contain pyrotechnic report composition that is silver fulminate and which are contained in a primary pack.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-36:2004**

Identne EN 14035-36:2004

**Fireworks - Part 36: Wheels - Specification and test methods**

This document specifies requirements for the construction, performance, primary packaging and labelling of wheels and the corresponding test methods. It is applicable to fireworks which are classified as wheels in categories 2 and 3 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 14035-38:2006**

Identne EN 14035-38:2006

**Fireworks - Part 38: Shot tubes - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of shot tubes and the corresponding test methods. It is applicable to fireworks which are classified as shot tubes in categories 2 and 3 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010

**EVS-EN 61207-1:2002**

Identne EN 61207-1:1994

ja identne IEC 61207-1:1994

**Expression of performance of gas analyzers; part 1: general**

Applies to gas analyzers used for the determination of certain constituents in gaseous mixtures. Specifies general aspects of terminology and definitions related to the performance. Unifies methods for making and verifying statements on functional performance. Specifies tests to determine functional performance.

Keel en

Asendatud EVS-EN 61207-1:2010

**EVS-EN ISO 11609:1999**

Identne EN ISO 11609:1998

ja identne ISO 11609:1995

**Stomatoloogia. Hambapastad. Nõuded, katsemeetodid ja märgistus**

Käesolev standard esitab testimismeetodid ja nõuded selliste hambapastade füüsikalistele ja keemilistele omadustele ning märgistusele ja/või sildiga märgistamisele, mis on mõeldud igapäevaseks kasutamiseks koos hambaharjaga, et hoolitseda suuhügieeni eest.

Keel en

Asendatud EVS-EN ISO 11609:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 10439-1**

Identne prEN ISO 10439-1:2010

ja identne ISO/DIS 10439-1:2010

Tähtaeg 30.12.2010

### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 1: General requirements**

This International Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies general requirements applicable to all such machines. ISO 10439 does not apply to fans (these are covered by API STD 673) or blowers that develop less than 34 kPa (5 psi) pressure rise above atmospheric pressure. ISO 10439 also does not apply to packaged, integrally-gearred centrifugal plant and instrument air compressors, which are covered by API STD 672. Hot gas expanders over 300 °C (570 °F) are not covered by ISO 10439. This part of ISO 10439 contains information pertinent to all equipment covered by the other parts of ISO 10439. It shall be used in conjunction with the following parts of ISO 10439, as applicable to the specific equipment covered: Part 2 - Non-integrally geared centrifugal and axial compressors Part 3 - Integrally geared centrifugal compressors Part 4 - Expander-compressors

Keel en

Asendab EVS-EN ISO 10439:2003

### **prEN ISO 10439-2**

Identne prEN ISO 10439-2:2010

ja identne ISO/DIS 10439-2:2010

Tähtaeg 30.12.2010

### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 2: Non-integrally geared centrifugal and axial compressors**

This International standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies requirements for non-integrally geared centrifugal and axial compressors, in addition to the general requirements specified in ISO 10439-1. These machines do not have gears integral with their casing but can have external gears.

Keel en

Asendab EVS-EN ISO 10439:2003

### **prEN ISO 10439-3**

Identne prEN ISO 10439-3:2010

ja identne ISO/DIS 10439-3:2010

Tähtaeg 30.12.2010

### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 3: Integrally geared centrifugal compressors**

This International Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies integrally geared centrifugal compressors in conjunction with ISO 10439-1.

Keel en

Asendab EVS-EN ISO 10439:2003

### **prEN ISO 10439-4**

Identne prEN ISO 10439-4:2010

ja identne ISO/DIS 10439-4:2010

Tähtaeg 30.12.2010

### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 4: Expander-compressors**

This International Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies requirements for expander-compressors, in addition to the general requirements specified in ISO 10439-1. This scope covers only expanders and compressors on a common shaft (expander-compressor). This scope does not apply to expanders with separate output shafts (e.g., generator drives). Hot gas expanders over 300 °C (570 °F) are not covered in this standard.

Keel en

Asendab EVS-EN ISO 10439:2003

## **73 MÄENDUS JA MAAVARAD**

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 14035-21:2005**

Identne EN 14035-21:2005

#### **Fireworks - Part 21: Jumping ground spinners - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of jumping ground spinners and the corresponding test methods. It is applicable to fireworks which are classified as jumping ground spinners of category 2 in EN 14035-2.

Keel en

Asendatud EVS-EN 15947-3:2010; EVS-EN 15947-4:2010; EVS-EN 15947-5:2010



## 75 NAFTA JA NAFTATEHNOLOOGIA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 14588:2010**

Hind 229,00

Identne EN 14588:2010

#### **Solid biofuels – Terminology, definitions and descriptions**

This European Standard defines terms concerned in all standardisation work within the scope of CEN/TC 335. According to CEN/TC 335 this European Standard is applicable to solid biofuels originating from the following sources: - products from agriculture and forestry; - vegetable waste from agriculture and forestry; - vegetable waste from the food processing industry; - wood waste, with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste from construction- and demolition waste; - cork waste; - fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is co-incinerated at the place of production and heat generated is recovered.

Keel en

Asendab CEN/TS 14588:2003

#### **EVS-EN 15938:2010**

Hind 105,00

Identne EN 15938:2010

#### **Automotive fuels - Ethanol blending component and ethanol (E85) fuel - Determination of electrical conductivity**

This European Standard specifies a test method for the determination of the electrical conductivity in ethanol and ethanol (E85) automotive fuel in the range from approximately (0,3 to 5)  $\mu\text{S}/\text{cm}$  at a temperature of 25 °C (see Clause 4). The electrical conductivity is determined from the measured electrical conductance. The electrical conductivity is an important analytical criterion for the ascertainment and control of anionic and cationic components in ethanol and ethanol (E85) automotive fuel. Some of these components can exhibit corrosive properties.

Keel en

#### **EVS-EN ISO 13680:2010**

Hind 315,00

Identne EN ISO 13680:2010

ja identne ISO 13680:2010

#### **Nafta- ja maagaasitööstused. Korrosioonikindlast sulamist valmistatud, korpuste, ühendustorude ja liitmikena kasutatavad ühendusteta torud. Tehnilised tingimused**

This International Standard specifies the technical delivery conditions for corrosion-resistant alloy seamless tubulars for casing, tubing and coupling stock for two product specification levels: - PSL-1, which is the basis of this International Standard; - PSL-2, which provides additional requirements for a product that is intended to be both corrosion resistant and cracking resistant for the environments and qualification method specified in ISO 15156-3 and Annex G of this International Standard. At the option of the manufacturer, PSL-2 products can be provided in lieu of PSL-1.

Keel en

Asendab EVS-EN ISO 13680:2008

#### **EVS-EN ISO 21457:2010**

Hind 229,00

Identne EN ISO 21457:2010

ja identne ISO 21457:2010

#### **Petroleum, petrochemical and natural gas industries - Materials selection and corrosion control for oil and gas production systems**

This International Standard identifies the corrosion mechanisms and parameters for evaluation when performing selection of materials for pipelines, piping and equipment related to transport and processing of hydrocarbon production, including utility and injection systems. This includes all equipment from and including the well head, to and including pipelines for stabilized products. This International Standard is not applicable to downhole components. Guidance is given for the following: - corrosion evaluations; - materials selection for specific applications, or systems, or both; - performance limitations for specific materials; - corrosion control. This International Standard refers to materials that are generally available, with properties that are known and documented. It also allows other materials to be evaluated and qualified for use. This International Standard does not provide detailed material requirements or guidelines for manufacturing and testing of equipment. Such information can be found in particular product and manufacturing standards.

Keel en

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **CEN/TS 14588:2003**

Identne CEN/TS 14588:2003

#### **Solid biofuels – Terminology, definitions and descriptions**

This European Technical specification defines terms concerned in all standardisation work within the scope of CEN/TC 335. According to CEN/TC 335 this European Technical specification is applicable to solid biofuels originating from the following sources: - products from agriculture and forestry, - vegetable waste from agriculture and forestry, - vegetable waste from the food processing industry, - wood waste, with the exception of wood waste which may contain halogenated organic compounds or heavy metals as a result of treatment with wood preservatives or coating, and which includes in particular such wood waste from construction- and demolition waste, - cork waste, - fibrous vegetable waste from virgin pulp production and from production of paper from pulp, if it is co-incinerated at the place of production and heat generated is recovered.

Keel en

Asendatud EVS-EN 14588:2010

### **EVS-EN ISO 13680:2008**

Identne EN ISO 13680:2008

ja identne ISO 13680:2008

#### **Nafta- ja maagaasitööstused. Korrosioonikindlast sulamist valmistatud, korpuste, ühendustorude ja liitmikena kasutatavad ühendusteta torud. Tehnilised tingimused**

This International Standard specifies the technical delivery conditions for corrosion-resistant alloy seamless tubulars for casing, tubing and coupling stock for two product specification levels: - PSL-1, which is the basis of this International Standard; - PSL-2, which provides additional requirements for a product that is intended to be both corrosion resistant and cracking resistant for the environments and qualification method specified in ISO 15156-3 and Annex G of this International Standard. At the option of the manufacturer, PSL-2 products can be provided in lieu of PSL-1.

Keel en

Asendab EVS-EN ISO 13680:2002; EVS-EN ISO 13680:2002/AC:2007

Asendatud EVS-EN ISO 13680:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN ISO 4404-2**

Identne EN ISO 4404-2:2003

ja identne ISO 4404-2:2003

Tähtaeg 30.12.2010

#### **Petroleum and related products - Determination of the corrosion resistance of fire-resistant hydraulic fluids - Part 2: Non-aqueous fluids (ISO 4404-2:2003)**

This part of ISO 4404 specifies a procedure for the determination of the corrosion-inhibiting properties of nonaqueous hydraulic fluids within the category HFD, as classified in ISO 6743-4. It provides a qualitative assessment of corrosion of five of the most common metals used in the construction of hydraulic systems, but other metals and/or alloys could be added or substituted for these metals for particular installations. NOTE The determination of corrosion resistance of aqueous hydraulic fluids within categories HFA, HFB and HFC is described in ISO 4404-1.

Keel en

#### **prEN ISO 10439-1**

Identne prEN ISO 10439-1:2010

ja identne ISO/DIS 10439-1:2010

Tähtaeg 30.12.2010

#### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 1: General requirements**

This International Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies general requirements applicable to all such machines. ISO 10439 does not apply to fans (these are covered by API STD 673) or blowers that develop less than 34 kPa (5 psi) pressure rise above atmospheric pressure. ISO 10439 also does not apply to packaged, integrally-g geared centrifugal plant and instrument air compressors, which are covered by API STD 672. Hot gas expanders over 300 °C (570 °F) are not covered by ISO 10439. This part of ISO 10439 contains information pertinent to all equipment covered by the other parts of ISO 10439. It shall be used in conjunction with the following parts of ISO 10439, as applicable to the specific equipment covered: Part 2 - Non-integrally geared centrifugal and axial compressors Part 3 - Integrally geared centrifugal compressors Part 4 - Expander-compressors

Keel en

Asendab EVS-EN ISO 10439:2003

#### **prEN ISO 10439-2**

Identne prEN ISO 10439-2:2010

ja identne ISO/DIS 10439-2:2010

Tähtaeg 30.12.2010

#### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 2: Non-integrally geared centrifugal and axial compressors**

This International standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies requirements for non-integrally geared centrifugal and axial compressors, in addition to the general requirements specified in ISO 10439-1. These machines do not have gears integral with their casing but can have external gears.

Keel en

Asendab EVS-EN ISO 10439:2003

### **prEN ISO 10439-3**

Identne prEN ISO 10439-3:2010

ja identne ISO/DIS 10439-3:2010

Tähtaeg 30.12.2010

#### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 3: Integrally geared centrifugal compressors**

This International Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies integrally geared centrifugal compressors in conjunction with ISO 10439-1.

Keel en

Asendab EVS-EN ISO 10439:2003

### **prEN ISO 10439-4**

Identne prEN ISO 10439-4:2010

ja identne ISO/DIS 10439-4:2010

Tähtaeg 30.12.2010

#### **Petroleum, petrochemical and natural gas industries - Axial and centrifugal compressors and expander-compressors - Part 4: Expander-compressors**

This International Standard specifies minimum requirements and gives recommendations for axial compressors, single-shaft and integrally geared process centrifugal compressors and expander-compressors for special purpose applications that handle gas or process air in the petroleum, petrochemical and natural gas industries. This part of ISO 10439 specifies requirements for expander-compressors, in addition to the general requirements specified in ISO 10439-1. This scope covers only expanders and compressors on a common shaft (expander-compressor). This scope does not apply to expanders with separate output shafts (e.g., generator drives). Hot gas expanders over 300 °C (570 °F) are not covered in this standard.

Keel en

Asendab EVS-EN ISO 10439:2003

### **prEN ISO 13085**

Identne prEN ISO 13085:2010

ja identne ISO/DIS 13085:2010

Tähtaeg 30.12.2010

#### **Petroleum and natural gas industries - Aluminium alloy pipe for use as tubing for wells**

This International Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy pipes for use as tubing for wells in petroleum and natural gas industries.

Keel en

### **prEN ISO 20823**

Identne EN ISO 20823:2003

ja identne ISO 20823:2003

Tähtaeg 30.12.2010

#### **Petroleum and related products - Determination of the flammability characteristics of fluids in contact with hot surfaces - Manifold ignition test (ISO 20823:2003)**

This International Standard specifies a test method to determine the relative flammability of fluids when contacted with a hot metal surface at a fixed temperature, but it is also possible to gauge fluid ignition temperatures by adjustment of the manifold temperature. It is primarily used to assess the resistance to ignition of fire-resistant hydraulic fluids which are, by definition, difficult to ignite. It may be used with other types of more flammable fluids at lower surface temperatures, but this could significantly increase the hazards of this procedure. NOTE The procedure given in this International Standard is specified in ISO 12922:1999, Lubricants, industrial oils and related products (class L) — Family H (Hydraulic systems) — Specifications for categories HFAE, HFAS, HFB, HFC, HFDR and HFDD.

Keel en

### **prEN ISO 27627**

Identne prEN ISO 27627:2010

ja identne ISO/DIS 27627:2010

Tähtaeg 30.12.2010

#### **Petroleum and natural gas industries - Aluminium alloy drill pipe thread connection gauging**

This International Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy drill pipes manufactured under ISO 15546. In this International Standard the gauging procedure for taper buttress thread (right and left) and adjoining tapered stabilizing shoulders (bores) made of Aluminium alloy drill pipes and concerned steel tool joints is presented as well.

Keel en

## **77 METALLURGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 10169:2010**

Hind 219,00

Identne EN 10169:2010

#### **Continuously organic coated (coil coated) steel flat products - Technical delivery conditions**

This European Standard specifies requirements for continuously organic coated (coil coated) steel flat products. It particularly specifies the performance requirements. The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip).

Keel en

Asendab EVS-EN 10169-3:2003; EVS-EN 10169-1:2004; EVS-EN 10169-2:2006

**EVS-EN 13148:2010**

Hind 229,00

Identne EN 13148:2010

**Copper and copper alloys - Hot-dip tinned strip**

This European Standard specifies: - the composition and tolerances on dimensions of strip produced by rolling in the thickness range from 0,10 mm up to and including 1,50 mm of copper and copper alloys to be tinned, with tin, a tin-lead alloy or other tin alloys; - the composition of material normally used for the melt; - the properties of strip before tinning; - the properties of hot-dip tinned strip; - the preferred thicknesses (mean values) and thickness ranges of coatings; - the edgewise curvature of hot-dip tinned strip; - the sampling procedure; - the methods of test to be used for verification of conformity to the requirements of this European Standard; - the delivery conditions.

Keel en

Asendab EVS-EN 13148:2002

**EVS-EN ISO 13680:2010**

Hind 315,00

Identne EN ISO 13680:2010

ja identne ISO 13680:2010

**Nafta- ja maagaasitööstused. Korrosioonikindlast sulamist valmistatud, korpuste, ühendustorude ja liitmikena kasutatavad ühendusteta torud. Tehnilised tingimused**

This International Standard specifies the technical delivery conditions for corrosion-resistant alloy seamless tubulars for casing, tubing and coupling stock for two product specification levels: - PSL-1, which is the basis of this International Standard; - PSL-2, which provides additional requirements for a product that is intended to be both corrosion resistant and cracking resistant for the environments and qualification method specified in ISO 15156-3 and Annex G of this International Standard. At the option of the manufacturer, PSL-2 products can be provided in lieu of PSL-1.

Keel en

Asendab EVS-EN ISO 13680:2008

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 755-9:2003**

Identne EN 755-9:2001

**Aluminium and aluminium alloys - Extruded rod/bar, tube and profiles - Part 9: Profiles, tolerances on dimensions and form**

This part of EN 755 specifies the tolerances on dimensions and form for aluminium and aluminium alloy extruded profile with a cross section contained within a circumscribing circle not greater than 800 mm.

Keel en

Asendatud EVS-EN 755-9:2008

**EVS-EN 10169-3:2003**

Identne EN 10169-3:2003

**Continuously organic coated (coil coated) steel products - Part 3: Products for building interior applications**

This part of this European Standard gives the specific requirements for continuously organic coated (coil coated) steel flat products used for building interior applications. It particularly specifies the performance requirements of different product flexibility categories and different corrosion protection categories

Keel en

Asendatud EVS-EN 10169:2010

**EVS-EN 10169-2:2006**

Identne EN 10169-2:2006

**Continuously organic coated (coil coated) steel flat products - Part 2: Products for building exterior applications**

This document gives the specific requirements for continuously organic coated (coil coated) steel flat products used for building exterior applications. It particularly specifies the performance requirements. The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip).

Keel en

Asendab EVS-ENV 10169-2:2000

Asendatud EVS-EN 10169:2010

**EVS-EN 12373-3:2001**

Identne EN 12373-3:1998

**Aluminium and aluminium alloys - Anodizing - Part 3: Determination of thickness of anodic oxidation coatings - Non-destructive measurement by split-beam microscope**

This Part of this European Standard specifies a non-destructive method of determining the thickness of anodic oxidation coatings on aluminium and its alloys using a split-beam microscope.

Keel en

Asendatud EVS-EN ISO 2128:2010

**EVS-EN 12373-13:2001**

Identne EN 12373-13:2000

**Aluminium and aluminium alloys - Anodizing - Part 13: Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer**

This part of this European Standard specifies a method for the measurement of the reflectance characteristics of high-gloss anodized aluminium surfaces. The method described is also suitable for the measurement of the reflectance characteristics of other high gloss metal surfaces. The method is not suitable for diffuse-finish metal surfaces and does not measure colour.

Keel en

Asendatud EVS-EN ISO 7759:2010

**EVS-EN 12373-15:2001**

Identne EN 12373-15:2000

**Aluminium and aluminium alloys - Anodizing - Assessment of resistance of anodic oxidation coatings to cracking by deformation**

This part of this European Standard specifies an empirical method for assessing the resistance of anodic oxidation to cracking by deformation. The method is applicable particularly to sheet material with anodic oxidation of thickness less than 5 µm, and is useful for development purposes.

Keel en

Asendatud EVS-EN ISO 3211:2010

**EVS-EN 13148:2002**

Identne EN 13148:2001

**Copper and copper alloys - Hot-dip tinned strip**

This European Standard specifies: - the composition and tolerances on dimensions of strip of copper and copper alloys to be tinned, with tin, a tin-lead alloy or other tin alloys; - the composition of the material normally used for the melt; - the properties of the untinned strip; - the properties of the hot-dip tinned strip; - the preferred thicknesses (mean values) and thickness ranges of the coatings; - the edgewise curvature of hot-dip tinned strip; - the sampling procedure; - the methods of test to be used for verification of conformity to the requirements of this standard; - the delivery conditions.

Keel en

Asendatud EVS-EN 13148:2010

**EVS-EN ISO 13680:2008**

Identne EN ISO 13680:2008

ja identne ISO 13680:2008

**Nafta- ja maagaasitööstused. Korrosioonikindlast sulamist valmistatud, korpuste, ühendustorude ja liitmikena kasutatavad ühendusteta torud. Tehnilised tingimused**

This International Standard specifies the technical delivery conditions for corrosion-resistant alloy seamless tubulars for casing, tubing and coupling stock for two product specification levels: - PSL-1, which is the basis of this International Standard; - PSL-2, which provides additional requirements for a product that is intended to be both corrosion resistant and cracking resistant for the environments and qualification method specified in ISO 15156-3 and Annex G of this International Standard. At the option of the manufacturer, PSL-2 products can be provided in lieu of PSL-1.

Keel en

Asendab EVS-EN ISO 13680:2002; EVS-EN ISO 13680:2002/AC:2007

Asendatud EVS-EN ISO 13680:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN ISO 3953**

Identne FprEN ISO 3953:2010

ja identne ISO/FDIS 3953:2010

Tähtaeg 30.12.2010

**Metallpulbrid. Raputamise teel tihendatud materjali puistetiheduse määramine**

This International Standard specifies a method for the determination of tap density, i.e. the density of a powder that has been tapped into a container under specified conditions.

Keel en

Asendab EVS-EN ISO 3953:2000

**prEN ISO 13085**

Identne prEN ISO 13085:2010

ja identne ISO/DIS 13085:2010

Tähtaeg 30.12.2010

**Petroleum and natural gas industries - Aluminium alloy pipe for use as tubing for wells**

This International Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy pipes for use as tubing for wells in petroleum and natural gas industries.

Keel en

**prEN ISO 27627**

Identne prEN ISO 27627:2010

ja identne ISO/DIS 27627:2010

Tähtaeg 30.12.2010

**Petroleum and natural gas industries - Aluminium alloy drill pipe thread connection gauging**

This International Standard specifies the technical delivery condition, manufacturing process, material requirements, configuration and dimensions, and verification and inspection procedures for aluminium alloy drill pipes manufactured under ISO 15546. In this International Standard the gauging procedure for taper buttress thread (right and left) and adjoining tapered stabilizing shoulders (bores) made of Aluminium alloy drill pipes and concerned steel tool joints is presented as well.

Keel en

**79 PUIDUTEHNOLOOGIA****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 312:2010**

Hind 145,00

Identne EN 312:2010

**Particleboards - Specifications**

This European Standard specifies the requirements for flat-pressed or calendar-pressed unfaced particleboards as defined in EN 309.

Keel en

Asendab EVS-EN 312:2003

**EVS-EN 326-2:2010**

Hind 229,00

Identne EN 326-2:2010

**Puitplaadid. Proovivõtt, lõikamine ja kontroll. Osa 2: Esmane tüübikatsetus ja ettevõtte tootmisohje**

This European Standard specifies methods for internal initial type testing (ITT) and internal factory production control (FPC) as well as external control of wood-based panels for their compliance with EN 13986 and other relevant product specifications. However, it may also apply, at the option of the manufacturer, to wood-based panels applied for non-construction purposes. This European Standard is not applicable for the assessment of compliance with specifications of panels comprised in consignments. In such cases, EN 326-3 applies. For internal factory production control, if required, methods for the assessment of conformity of batches and of production over longer periods are given. For external control, if required, methods for the initial inspection of a factory and initial type testing of a product, and for the surveillance of the factory production control, are given. In the factory production control small test pieces are used. The statistics of evaluation is based on normal distribution.

Keel en

Asendab EVS-EN 326-2:2002

**EVS-EN 975-1:2009/AC:2010**

Hind 0,00

Identne EN 975-1:2009/AC:2010

**Saematerjal. Lehtpuidu sortimine välisilme järgi.****Osa 1: Tamm ja pöök**

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 312:2003**

Identne EN 312:2003

#### **Particleboards - Specifications**

This European Standard specifies the requirements for resin-bonded unfaced particleboards

Keel en

Asendab EVS-EN 312-1:2000; EVS-EN 312-2:1999; EVS-EN 312-3:1999; EVS-EN 312-4:1999; EVS-EN 312-5:1999; EVS-EN 312-6:1999; EVS-EN 312-7:1999

Asendatud EVS-EN 312:2010

### **EVS-EN 326-2:2002**

Identne EN 326-2:2000

#### **Puitplaadid. Proovivõtt, lõikamine ja kontroll. Osa 2: Kvaliteedikontroll ettevõttes**

Käesolev standard määrab kindlaks ettevõtte sisekontrolli ja väliskontrolli meetodid puitplaatide omaduste vastavuse määramiseks asjakohaste EN standardite tehnonõuetele. Käesolev standard ei ole rakendatav kaubasaadetistes olevate plaatide vastavuse hindamiseks tehnonõuetele. Sellistel juhtudel rakendub EN 326-3. Ettevõttesiseseks kontrolliks on esitatud partiide ja pikematel perioodidel väljastatud toodangu vastavuskontrolli meetodid. Väliskontrolliks on toodud ettevõtte ja mingi toodanguliigi esmakontrolli ning ettevõttesisesese kontrolli järeelvalve meetodid. Standardis käsitletavat meetodid põhinevad väikeste katsekehade katsetamisel.

Keel et

Asendatud EVS-EN 326-2:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 13353:2008/FprA1**

Identne EN 13353:2008/FprA1:2010

Tähtaeg 30.12.2010

#### **Liimpuitkilbid (SWP). Nõuded**

This European Standard specifies requirements for solid wood panels as defined in EN 12775 for use in dry, humid and exterior conditions as defined in service classes 1, 2 and 3 of EN 1995-1-1. Additional information on supplementary properties for certain applications is also given.

Keel en

### **prEN 636**

Identne prEN 636:2010

Tähtaeg 30.12.2010

#### **Vineer. Spetsifikaadid**

This document specifies the requirements for plywood, as defined in EN 313-2, for both general purpose use (non structural-application) and structural application in dry, humid or exterior conditions. It also gives a classification system based on the bending properties.

Keel en

Asendab EVS-EN 636:2004

### **prEN 848-3**

Identne prEN 848-3 rev:2010

Tähtaeg 30.12.2010

#### **Puidutöötlemismasinate ohutus. Ühepoolised pöörleva lõiketeraga puidutöötluspingid. Osa 3: Arvujuhtimise (NC) puurmasinad ja profiilfreesimismasinad**

This document specifies all significant hazards, hazardous situations and events as listed in Clause 4, which are relevant to NC boring machines, NC routing machines and NC combined boring/routing machines (as defined in 3.2.1) herein after referred to as "machines" designed to cut solid wood, chip board, fibreboard, plywood and also these materials where these are covered with plastic/light alloy laminate or edgings when they are used as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. This document also applies to machines fitted with: - additional equipment for sawing, sanding and edge banding; - fixed or movable workpiece support; - mechanical, pneumatic, hydraulic or vacuum workpiece clamping; - automatic tool change facilities.

Keel en

Asendab EVS-EN 848-3:2007+A2:2009

## **81 KLAASI- JA KERAAMIKA-TÖÖSTUS**

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **CEN/TS 1071-9:2004**

Identne CEN/TS 1071-9:2004

##### **Advanced technical ceramics – Methods of test for ceramic coatings – Part 9: Determination of fracture strain**

This part of EN 1071 describes a method of measuring the fracture strain of ceramic coatings by means of uniaxial tension or compression tests coupled with acoustic emission to monitor the onset of cracking of the coating. Tensile or compressive strains can also be applied by flexure using four-point bending. Measurements can be made in favourable cases at elevated temperatures as well as at room temperature.

Keel en

Asendatud EVS-EN 1071-9:2009

## **83 KUMMI- JA PLASTITÖÖSTUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 8510-2:2010**

Hind 105,00

Identne EN ISO 8510-2:2010

ja identne ISO 8510-2:2006

##### **Liimid. Painduv-jäiga liimühendusega teimikeha rebiteim. Osa 2: Rebimine 180-kraadise nurga all**

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

## **EVS-EN ISO 11339:2010**

Hind 105,00

Identne EN ISO 11339:2010

ja identne ISO 11339:2010

### **Adhesives - T-peel test for flexible-to-flexible bonded assemblies**

This International Standard specifies a T-peel test for the determination of the peel strength of an adhesive by measuring the peeling force of a T-shaped bonded assembly of two flexible adherends. This test procedure does not provide design information.

Keel en

Asendab EVS-EN ISO 11339:2005

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 28510-2:2000**

Identne EN 28510-2:1993

ja identne ISO 8510-2:1990

### **Liimid. Painduv-jäiga liimühendusega teimikeha rebiteim. Osa 2: Rebimine 180-kraadise nurga all**

See EN 28150 osa määrab kindlaks 180-kraadise nurga all rebimise teimi, määramaks spetsiaalsetel tingimustel rebimistugevust pötkliitega liimühenduses kahe substraadi vahel, millest vähemalt üks substraat on painduv ja teine jäik.

Keel en

Asendatud EVS-EN ISO 8510-2:2010

### **EVS-EN ISO 11339:2005**

Identne EN ISO 11339:2005

ja identne ISO 11339:2003

### **Adhesives - T-peel test for flexible-to-flexible bonded assemblies**

This International Standard specifies a T-peel test for the determination of the peel strength of an adhesive by measuring the peeling force of a T-shaped bonded assembly of two flexible adherends. This test procedure does not provide design information.

Keel en

Asendab EVS-EN 14173:2002

Asendatud EVS-EN ISO 11339:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN ISO 14125:1998/FprA1**

Identne EN ISO 14125:1998/FprA1:2010

ja identne ISO 14125:1998/FDAM 1:2010

Tähtaeg 30.12.2010

### **Kiudsarrustatud plastkomposiidid. Paindeomaduste määramine**

Käesolev standard määrab kindlaks meetodi kiudsarrustatud plastkomposiitide paindeomaduste määramiseks kolmest punktist koormates (meetod A) ja neljast punktist koormates (meetod B). Standardsed proovikehad on kindlaks määratud, kuid on lisatud parameetrid ka alternatiivsete proovikehade mõõtmete jaoks sobival juhul kasutamiseks. On esitatud ka testimiskiiruste vahemik.

Keel en

## **FprEN ISO 1825**

Identne FprEN ISO 1825:2010

ja identne ISO 1825:2010

Tähtaeg 30.12.2010

### **Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification**

This International Standard specifies the dimensions and construction of, and requirements for, four types of hose and hose assembly for use in all operations associated with the ground fuelling and defuelling of aircraft. All four types are designed for a) use with petroleum fuels having an aromatic-hydrocarbon content not exceeding 30 % by volume; b) operation within the temperature range of -30 °C to +65 °C and such that they will be undamaged by climatic conditions of -40 °C to +70 °C when stored in static conditions; c) operation at up to 2,0 MPa (20 bar) maximum working pressure, including surges of pressure which the hose can be subjected to in service.

Keel en

Asendab EVS-EN 1361:2004

## **85 PABERITEHNOLOOGIA**

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN ISO 7263**

Identne FprEN ISO 7263:2010

ja identne ISO/FDIS 7263:2010

Tähtaeg 30.12.2010

#### **Gofreeritav materjal. Tasapinnalisele survele vastupidavuse määramine pärast laboratoorset rihveldamist**

This International Standard specifies two methods for the determination of the flat crush resistance of a corrugating medium after laboratory fluting. The procedures are applicable to any corrugating medium intended to be used, after fluting, in the manufacture of corrugated board.

Keel en

Asendab EVS-EN ISO 7263:2009

## **87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS**

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN ISO 787-13**

Identne EN ISO 787-13:2002

ja identne ISO 787-13:2002

Tähtaeg 30.12.2010

#### **General methods of test for pigments and extenders - Part 13: Determination of water-soluble sulfates, chlorides and nitrates (ISO 787-13:2002)**

This part of ISO 787 specifies a general method of test for determining the water-soluble sulfates, chlorides and nitrates of pigments. NOTE When this general method is applicable to a given pigment, a cross-reference to it will simply be included in the International Standard relating to the pigment, with a note of any detailed modification which may be needed in view of the special properties of the pigment in question. Only when this general method is not applicable to a particular pigment will a special method for determination of water-soluble sulfates chlorides or nitrates be specified.

Keel en

Asendab EVS-EN ISO 787-13:2002

**prEN ISO 787-14**

Identne EN ISO 787-14:2002

ja identne ISO 787-14:2002

Tähtaeg 30.12.2010

**General methods of test for pigments and extenders - Part 14: Determination of resistivity of aqueous extract (ISO 787-14:2002)**

This part of ISO 787 specifies a general method of test for determining the resistivity (specific resistance) of the aqueous extract of a pigment. The method is applicable to all pigments and extenders, except pigments that are substantially soluble in water. It should be noted that the resistivity of the aqueous extract of a pigment should be considered as a property independent of the amount of water-soluble matter. If agreed, a cold extraction method may be used. This shall be stated in the test report, however. The standard temperature of determination should preferably be but a different temperature may be agreed between the parties provided that the necessary corrections are made to take account of the differences in temperature. NOTE When this general method is applicable to a given pigment, a cross-reference to it will simply be included in the International Standard relating to that pigment, with a note of any detailed modification which may be needed in view of the special properties of the pigment in question. Only when this general method is not applicable to a particular pigment will a special method for determination of resistivity of aqueous extract be specified.

Keel en

Asendab EVS-EN ISO 787-14:2002

**prEN ISO 9117-6**

Identne prEN ISO 9117-6:2010

ja identne ISO/DIS 9117-6:2010

Tähtaeg 30.12.2010

**Paints and varnishes - Drying tests - Part 6: Print-free test**

This International Standard specifies a method for assessing, by means of a simple empirical test, the resistance of a coat of paint, varnish or related product to imprinting by a nylon gauze under a specified force applied for a specified time. The method may be carried out - either as a "pass/fail" test by determining whether the print-free state has been reached after a specified period of drying or, in the case of stoving coatings, after stoving and ageing under specified conditions, - or by repeating the print-free test at suitable intervals until the print-free time is obtained.

Keel en

Asendab EVS-EN ISO 3678:2000

**prEN ISO 13076**

Identne prEN ISO 13076:2010

ja identne ISO/DIS 13076:2010

Tähtaeg 30.12.2010

**Paints and varnishes - Lightning and procedure for visual assessments**

This standard specifies the lighting and procedure for visual assessment of affected areas or spots of coatings after exposure.

Keel en

**prEN ISO 21227-1**

Identne EN ISO 21227-1:2003

ja identne ISO 21227-1:2003

Tähtaeg 30.12.2010

**Paints and varnishes - Evaluation of defects on coated surfaces using optical imaging - Part 1: General guidance (ISO 21227- 1:2003)**

This part of ISO 21227 gives definitions for and provides guidance in the use of optical imaging systems for the quantitative characterization of defects on coated surfaces that occur after exposure in various test methods, e.g. stone chipping, weathering or cross-cut testing. One aim of ISO 21227 is to use optical imaging to reproduce the results of already existing methods for visual assessment. Additionally, optical imaging provides further information which can be used for a more detailed evaluation of coating defects. This part of ISO 21227 contains a general introduction in optical-imaging methods and definitions. The performance of individual test methods and requirements for precision are described in other parts of the standard.

Keel en

**91 E HITUSMATERJALID JA EHITUS****UUED STANDARDID JA PUBLIKATSIOONID****CEN/TR 16061:2010**

Hind 219,00

Identne CEN/TR 16061:2010

**Gas meters - Smart Gas Meters**

This Technical Report outlines recommendations for "smart gas meters", specifies recommendations where there is clear consensus, and identifies areas where there are barriers to standardisation. It indicates how functions may be implemented in a harmonized way if they are selected. It does not seek to select which functions are to be implemented in a smart meter. The report covers simple to complex implementations of smart metering. This Technical Report is applicable to 1st, 2nd and 3rd family gases according to EN 437.

Keel en

**EVS 812-3:2007/AC:2010**

Hind 0,00

ja identne EVS 812-3:2007

**Ehitiste tuleohutus. Osa 3: Küttesüsteemid**

Standard käsitleb ehitiste kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Keel et

Asendab EVS 812-3:2002

**EVS 860:2010**

Hind 243,00

**Tehniliste paigaldiste termiline isoleerimine. Torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus**

Käesolev standard kirjeldab sellist torude, mahutite ja seadmete soojusisoleerimist, kus isolatsioonimaterjalina kasutatakse mineraalvilla ja kattematerjalina lehtmetaili. Sobivuse korral võib käesolevat standardit kasutada ka muudel isolatsioonitöödel.

Keel et

Asendab EVS 860:2006



**EVS 860-1:2010**

Hind 124,00

**Tehniliste paigaldiste termiline isoleerimine. Osa 1: Torustikud, mahutid ja seadmed.****Isolatsioonimaterjalid ja -elemendid**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb vajalikku põhiinformatsiooni tehniliste paigaldiste termilise isoleerimise projekteerimiseks ja paigaldamiseks.

Keel et

Asendab EVS 860-1:2008

**EVS 860-6:2010**

Hind 166,00

**Tehniliste paigaldiste termiline isoleerimine. Osa 6: Torustikud, mahutid ja seadmed. Külmaisolatsioon**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb olulisemaid faktoreid, mida tuleb järgida tehniliste paigaldiste külmaisolatsiooni projekteerimisel, teostamisel ja materjalide valikul.

Keel et

Asendab EVS 860-6:2008

**EVS-EN 459-2:2010**

Hind 271,00

Identne EN 459-2:2010

**Ehituslubi. Osa 2: Katsemeetodid**

This European Standard describes the test methods for all building limes covered by EN 459-1:2010. This European Standard specifies the methods used for the chemical analyses and the determination of physical properties of building limes. This document describes the reference methods and, in certain cases, an alternative method which can be considered to be equivalent. In the case of a dispute, only the reference methods are used. Any other methods may be used provided they are calibrated, either against the reference methods or against internationally accepted reference materials, in order to demonstrate their equivalence.

Keel en

Asendab EVS-EN 459-2:2002

**EVS-EN 459-1:2010**

Hind 243,00

Identne EN 459-1:2010

**Ehituslubi. Osa 1: Määratlused, spetsifikatsioon ja vastavuskriteeriumid**

This European Standard applies to building lime used for: - preparation of binder for mortar (for example for masonry, rendering and plastering); - production of other construction products (for example calcium silicate bricks, autoclaved aerated concrete, concrete, etc.); - civil engineering applications (for example soil treatment, asphalt mixtures, etc.). It gives definitions for the different types of building lime and their classification. It also gives requirements for their chemical and physical properties which depend on the type of building lime and specifies the conformity criteria. Terms of delivery or other contractual conditions, normally included in documents exchanged between the supplier and the purchaser of building lime, are outside the scope of this European Standard.

Keel en

Asendab EVS-EN 459-1:2006

**EVS-EN 998-1:2010**

Hind 166,00

Identne EN 998-1:2010

**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. Special fire resistant- and acoustical mortars, mortars for structural repair and surface treatments of building elements such as materials for smoothing or trueing, paints, coatings, thin-layer organic renders/plasters and prefabricated units (e.g. plaster boards) are not dealt with in this European Standard. This European Standard covers rendering/plastering mortars defined in Clause 3 with the exception of site made rendering/plastering mortars. However, this European Standard or part of this European Standard may be used in conjunction with codes of application and national specifications covering site made mortars.

Keel en

Asendab EVS-EN 998-1:2003

**EVS-EN 998-2:2010**

Hind 188,00

Identne EN 998-2:2010

**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. This European Standard provides for the evaluation of conformity of the product to this European Standard. The marking requirement for products covered by this European Standard is included. This European Standard covers masonry mortars defined in Clause 3 with the exception of site made mortars. However, this European Standard or part of this European Standard may be used in conjunction with codes of applications and national specifications covering site made mortars.

Keel en

Asendab EVS-EN 998-2:2003

**EVS-EN 1555-1:2010**

Hind 135,00

Identne EN 1555-1:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General**

This part of EN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 2 to 5 of EN 1555 it is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-1:2003

**EVS-EN 1555-2:2010**

Hind 166,00

Identne EN 1555-2:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes**

This part of EN 1555 specifies the characteristics of pipes made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 1 and 3 to 5 of EN 1555, it is applicable to PE pipes, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-2:2003

**EVS-EN 1555-3:2010**

Hind 188,00

Identne EN 1555-3:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of EN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 1, 2, 4 and 5 of EN 1555, it is applicable to PE fittings, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-3:2003; EVS-EN 1555-3:2003/A1:2005

**EVS-EN 1555-5:2010**

Hind 135,00

Identne EN 1555-5:2010

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This part of EN 1555 specifies requirements of fitness for purpose of the polyethylene (PE) piping system in the field of the supply of gaseous fuels. It specifies the definitions of electrofusion, butt fusion and mechanical joints. It specifies the method of preparation of test piece joints, and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions. It specifies the test parameters for the test methods referred to in this standard. In conjunction with Parts 1 to 4 of EN 1555, it is applicable to PE pipes, fittings, valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-5:2003

**EVS-EN 12354-5:2009/AC:2010**

Hind 0,00

Identne EN 12354-5:2009/AC:2010

**Building acoustics - Estimation of acoustic performance of building from the performance of elements - Part 5: Sounds levels due to the service equipment**

Keel en

**EVS-EN 12629-1:2000+A1:2010**

Hind 188,00

Identne EN 12629-1:2000+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 1: Ühtsed nõuded KONSOLIDEERITUD TEKS**

This European Standard applies to machines for the manufacture of constructional products from concrete and/or calcium silicate examples of which are 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

Asendab EVS-EN 12629-1:2000

**EVS-EN 12629-2:2003+A1:2010**

Hind 124,00

Identne EN 12629-2:2002+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 2: Plokivalmistamise masinad KONSOLIDEERITUD TEKS**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to machines for the manufacture of blocks, kerbs, paving stones and similar concrete products. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-2:2003

**EVS-EN 12629-3:2003+A1:2010**

Hind 166,00

Identne EN 12629-3:2002+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 3: Liuguri ja pöördlauaga masinad KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, 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 table. The motive power for compressing the mixture is effected either mechanically (Annexes A, B), or hydraulically (Annexes C and D). EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-3:2003

**EVS-EN 12629-4:2001+A1:2010**

Hind 124,00

Identne EN 12629-4:2001+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 4: Betoonist katuseplaatide valmistamise masinad KONSOLIDEERITUD TEKS**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to concrete roof tile making machines. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-4:2001

**EVS-EN 12629-6:2004+A1:2010**

Hind 209,00

Identne EN 12629-6:2004+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 6: Statsionaarne ja mobiilne tehnika fassaadikivide tootmiseks KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to stationary and mobile equipment for the manufacture of precast reinforced products as defined in Clause 3 and applies to these machines also when used for the manufacture of non-reinforced moulded products. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-6:2004

**EVS-EN 12629-7:2004+A1:2010**

Hind 315,00

Identne EN 12629-7:2004+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 7: Statsionaarsed ja liikuvad seadmed eeltingestatud toodete valmistamisel pikal liinil KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010 applies to stationary and mobile equipment for the benched manufacture of prestressed products. The manufacturing bed is a machine with which other associated machines work simultaneously. Moreover, these machines are generally used on beds installed in parallel. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-7:2004

**EVS-EN 12629-8:2003+A1:2010**

Hind 145,00

Identne EN 12629-8:2002+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 8: Masinad ja seadmed konstruktsioonielementide valmistamiseks kaltsiumsilikaadist (ja betoonist) KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010 applies to hydraulic machines for the manufacture of bricks, blocs and elements of calcium-silicate (as illustrated in Annexes A and B). NOTE Calcium-silicate can be replaced by concrete. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-8:2003

**EVS-EN 12629-5-1:2004+A1:2010**

Hind 178,00

Identne EN 12629-5-1:2003+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-1: Torude valmistamiseks mõeldud masinad, valmistamisega ümber vertikaaltelje KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to machines for vertical manufacture of pipes, manholes and similar elements from concrete. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-5-1:2004

**EVS-EN 12629-5-2:2004+A1:2010**

Hind 124,00

Identne EN 12629-5-2:2003+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-2: Torude valmistamiseks mõeldud masinad valmistamisega ümber horisontaaltelje KONSOLIDEERITUD TEKS**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to machines for the manufacture of pipes in the horizontal axis and similar elements from concrete. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-5-2:2004

**EVS-EN 12629-5-3:2004+A1:2010**

Hind 135,00

Identne EN 12629-5-3:2003+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-3: Torude eelpingestamise masinad KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to pipe prestressing machines as defined in Clause 3. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-5-3:2004

**EVS-EN 12629-5-4:2004+A1:2010**

Hind 124,00

Identne EN 12629-5-4:2003+A1:2010

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 5-4: Betoonitorude pinnakatmismasinad KONSOLIDEERITUD TEKST**

This part of EN 12629, taken together with EN 12629-1:2000+A1:2010, applies to concrete pipe coating machines as defined in Clause 3. EN 12629-1:2000+A1:2010 specifies general requirements applicable to machines for the manufacture of constructional products from concrete and calcium-silicate. This document specifies the additional requirements to and/or the deviations from EN 12629-1:2000+A1:2010 specific to the machines it covers.

Keel en

Asendab EVS-EN 12629-5-4:2004

**EVS-EN 15643-1:2010**

Hind 178,00

Identne EN 15643-1:2010

**Sustainability of construction works - Sustainability assessment of buildings - Part 1: General framework**

This European Standard provides the general principles and requirements, expressed through a series of standards, for the assessment of buildings in terms of environmental, social and economic performance taking into account technical characteristics and functionality of a building. The assessment will quantify the contribution of the assessed construction works to sustainable construction and sustainable development. The framework applies to all types of buildings and it is relevant for the assessment of the environmental, social and economic performance of new buildings over their entire life cycle, and of existing buildings over their remaining service life and end of life stage. The standards developed under this framework do not set the rules for how the different building assessment schemes may provide valuation methods. Nor do they prescribe levels, classes or benchmarks for measuring performance.

Keel en

**EVS-EN 60335-2-21:2003/AC:2010**

Hind 0,00

Identne EN 60335-2-21:2003/corr:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-21: Erinõuded salvestusveesoojenditele**

Keel en

**EVS-EN ISO 10140-1:2010**

Hind 219,00

Identne EN ISO 10140-1:2010

ja identne ISO 10140-1:2010

**Acoustics - Laboratory measurement of sound insulation of building elements - Part 1: Application rules for specific products**

This part of ISO 10140 specifies test requirements for building elements and products, including detailed requirements for preparation, mounting, operating and test conditions, as well as applicable quantities and additional test information for reporting. The general procedures for airborne and impact sound insulation measurements are given in ISO 10140-2 and ISO 10140-3, respectively.

Keel en

Asendab EVS-EN 20140-10:1999; EVS-EN ISO 140-1:1999/A1:2005; EVS-EN ISO 140-3:1999/A1:2005; EVS-EN ISO 140-3:1999; EVS-EN ISO 140-1:1999; EVS-EN ISO 140-8:1999; EVS-EN ISO 140-6:1999; EVS-EN ISO 140-11:2005; EVS-EN ISO 140-16:2006

**EVS-EN ISO 10140-2:2010**

Hind 145,00

Identne EN ISO 10140-2:2010

ja identne ISO 10140-2:2010

**Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation**

This part of ISO 10140 specifies a laboratory method for measuring the airborne sound insulation of building products, such as walls, floors, doors, windows, shutters, façade elements, façades, glazing, small technical elements, for instance transfer air devices, airing panels (ventilation panels), outdoor air intakes, electrical raceways, transit sealing systems and combinations, for example walls or floors with linings, suspended ceilings or floating floors. The test results can be used to compare the sound insulation properties of building elements, classify elements according to their sound insulation capabilities, help design building products which require certain acoustic properties and estimate the in situ performance in complete buildings. The measurements are performed in laboratory test facilities in which sound transmission via flanking paths is suppressed. The results of measurements made in accordance with this part of ISO 10140 are not applicable directly to the field situation without accounting for other factors affecting sound insulation, such as flanking transmission, boundary conditions and total loss factor.

Keel en

Asendab EVS-EN 20140-10:1999; EVS-EN ISO 140-1:1999; EVS-EN ISO 140-3:1999; EVS-EN ISO 140-1:1999/A1:2005; EVS-EN ISO 140-8:1999; EVS-EN ISO 140-6:1999; EVS-EN ISO 140-11:2005; EVS-EN ISO 140-16:2006; EVS-EN ISO 140-3:1999/A1:2005

**EVS-EN ISO 10140-3:2010**

Hind 145,00

Identne EN ISO 10140-3:2010

ja identne ISO 10140-3:2010

**Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation**

This part of ISO 10140 specifies laboratory methods for measuring the impact sound insulation of floor assemblies. The test results can be used to compare the sound insulation properties of building elements, classify elements according to their sound insulation capabilities, help design building products which require certain acoustic properties and estimate the in situ performance in complete buildings. The measurements are performed in laboratory test facilities in which sound transmission via flanking paths is suppressed. The results of measurements made in accordance with this part of ISO 10140 are not applicable directly to the field situation without accounting for other factors affecting sound insulation, such as flanking transmission, boundary conditions, and loss factor. A test method is specified that uses the standard tapping machine (see ISO 10140-5:2010, Annex E) to simulate impact sources like human footsteps when a person is wearing shoes. This part of ISO 10140 is applicable to all types of floors (whether heavyweight or lightweight) with all types of floor coverings. The test method applies only to laboratory measurements.

Keel en

Asendab EVS-EN 20140-10:1999; EVS-EN ISO 140-3:1999; EVS-EN ISO 140-1:1999; EVS-EN ISO 140-8:1999; EVS-EN ISO 140-6:1999; EVS-EN ISO 140-11:2005; EVS-EN ISO 140-16:2006; EVS-EN ISO 140-1:1999/A1:2005; EVS-EN ISO 140-3:1999/A1:2005

**EVS-EN ISO 10140-4:2010**

Hind 145,00

Identne EN ISO 10140-4:2010

ja identne ISO 10140-4:2010

**Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements**

This part of ISO 10140 specifies the basic measurement procedures for airborne and impact sound insulation in laboratory test facilities.

Keel en

Asendab EVS-EN ISO 140-1:1999/A1:2005; EVS-EN ISO 140-3:1999/A1:2005; EVS-EN 20140-10:1999; EVS-EN ISO 140-3:1999; EVS-EN ISO 140-1:1999; EVS-EN ISO 140-8:1999; EVS-EN ISO 140-6:1999; EVS-EN ISO 140-11:2005; EVS-EN ISO 140-16:2006

**EVS-EN ISO 10140-5:2010**

Hind 219,00

Identne EN ISO 10140-5:2010

ja identne ISO 10140-5:2010

**Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment**

This part of ISO 10140 specifies laboratory test facilities and equipment for sound insulation measurements of building elements, such as: - components and materials; - building elements; - technical elements (small building elements); - sound insulation improvement systems. It is applicable to laboratory test facilities with suppressed radiation from flanking elements and structural isolation between source and receiving rooms. This part of ISO 10140 specifies qualification procedures for use when commissioning a new test facility with equipment for sound insulation measurements. It is intended that these procedures be repeated periodically to ensure that there are no issues with the equipment and the test facility.

Keel en

Asendab EVS-EN ISO 140-1:1999; EVS-EN ISO 140-3:1999/A1:2005; EVS-EN 20140-10:1999; EVS-EN ISO 140-3:1999; EVS-EN ISO 140-6:1999; EVS-EN ISO 140-8:1999; EVS-EN ISO 140-11:2005; EVS-EN ISO 140-16:2006; EVS-EN ISO 140-1:1999/A1:2005

**EVS-EN ISO 15186-2:2010**

Hind 188,00

Identne EN ISO 15186-2:2010

ja identne ISO 15186-2:2003

**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. This part of ISO 15186 also describes the effect of flanking transmission on measurements made using the specified method, and how intensity measurements can be used - to compare the in-situ sound insulation of a building element with laboratory measurements where flanking has been suppressed (i.e. ISO 140-3), - to rank the partial contributions for building elements, and - to measure the flanking sound reduction index for one or more transmission paths (for validation of prediction models such as those given in EN 12354-1). This method gives values for airborne sound insulation, which are frequency dependent. They can be converted into a single number, characterizing the acoustic performance, by application of ISO 717-1.

Keel en

**EVS-EN ISO 15186-3:2010**

Hind 145,00

Identne EN ISO 15186-3:2010

ja identne ISO 15186-3:2002

**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 . 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

**EVS-HD 60364-7-702:2010**

Hind 166,00

Identne HD 60364-7-702:2010

ja identne IEC 60364-7-702:2010

**Low-voltage electrical installations - Part 7-702: Requirements for special installations or locations - Swimming pools and fountains**

The particular requirements of this part of IEC 60364 apply to electrical installations of: - basins of swimming pools and paddling pools and their surrounding zones; - areas in natural waters, lakes in gravel pits and coastal and similar areas, specially intended to be occupied by persons for swimming, paddling and similar purposes, and their surrounding zones. Such areas in natural waters, lakes in gravel pits and coastal and similar areas, are considered as swimming pools; - basins of fountains and their surrounding zones. NOTE In these areas, in normal use, the effect of an electric shock is increased by a reduction in body resistance and contact of the body with earth potential. For swimming pools for medical use, special requirements may apply. This standard does not cover the use of mobile equipment, e.g. pool cleaning equipment.

Keel en

Asendab EVS-HD 384.7.702 S2:2004

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS 860:2006**

ja identne EVS 860:2004+A1:2006

**Tehniliste paigaldiste termiline isoleerimine. Torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus KONSOLIDEERITUD TEKST**

Standard kirjeldab torude, mahutite ja seadmete soojusisoleerimist, kus isolatsioonimaterjalina kasutatakse mineraalvilla ja kattematerjalina lehtmaterjali. Sobivuse korral võib käesolevat standardit kasutada ka muudel isolatsioonitöödel.

Keel et

**EVS 860-1:2008**

ja identne EVS 860-1:2008

**Tehniliste paigaldiste termiline isoleerimine. Osa 1: Torustikud, mahutid ja seadmed.****Isolatsioonimaterjalid ja -elemendid**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb vajalikku põhiinformatsiooni tehniliste paigaldiste termilise isoleerimise projekteerimiseks ja paigaldamiseks.

Keel et

**EVS 860-6:2008**

ja identne EVS 860-6:2008

**Tehniliste paigaldiste termiline isoleerimine. Osa 6: Torustikud, mahutid ja seadmed. Külmaisolatsioon**

Käesolev standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb olulisemaid faktoreid, mida tuleb järgida tehniliste paigaldiste külmaisolatsiooni projekteerimisel, teostamisel ja materjalide valikul.

Keel et

**EVS-EN 459-2:2002**

Identne EN 459-2:2001

**Ehituslubi. Osa 2: Katsemeetodid**

This European Standard describes the test methods for all building limes covered by EN 459-1. This standard describes reference test methods and in some cases alternative test methods. In the event of a dispute, only the reference method is used.

Keel en

Asendab EVS 763-2:2000

Asendatud EVS-EN 459-2:2010

**EVS-EN 459-1:2006**

Identne EN 459-1:2001+AC:2002

**Ehituslubi. Osa 1: Määratlused, spetsifikatsioon ja vastavuskriteeriumid**

Käesolev standard kehtib ehituslupjatele, mida kasutatakse sideainena ehitusmörtide (müüri- ja krohvimörtide) ning teiste ehitussegude ja -toodete valmistamisel. Käesolev standard sisaldab erinevate ehituslupjade määratlused ja nende klassifikatsiooni. Kirjeldatakse samuti erinevat tüüpi ehituslupjade esitatavaid keemilisi ja füüsikalisi nõudeid, mis sõltuvad ehituslubja tüübist ja spetsifitseeritakse vastavuskriteeriumid.

Keel et

Asendab EVS 763-1:2000

Asendatud EVS-EN 459-1:2010

**EVS-EN 998-1:2003**

Identne EN 998-1:2003 +AC:2005

**Müürimörtide spetsifikatsioon. Osa 1: Krohvimört**

Käesolev Euroopa standard rakendub tehases valmistatud anorgaaniliste sideainete põhistele krohvimörtidele, mida kasutatakse nii välis- kui ka sisetingimustes, seinte, lagede, postide ja vaheseinte krohvimisel. Standard sisaldab määratlusi ja toimivusnõudeid. Standard ei hõlma mörte, mille põhiliseks sideaineks on kips. Kipsi võib kasutada koos õhklubjaga kui täiendavat sideainet. Kui põhiliseks sideaineks on õhklubi, siis kuulub krohvimört käesoleva standardi käsitusllasse. Kui põhiliseks sideaineks on kips, siis kuulub krohvimört standardi EN 13279 käsitusllasse. Mördi liigitab mördi tootja.

Keel et

Asendatud EVS-EN 998-1:2010

**EVS-EN 998-2:2003**

Identne EN 998-2:2003

**Müürimörtide spetsifikatsioon. Osa 2: Müürimört**

Standard spetsifitseerib müüritud seintes, postides ja vaheseintes kasutatavatele tehases valmistatud müürimörtidele esitatavad nõuded. Standard määratleb toodete käesolevale standardile vastavuse hindamise korra ja standardile vastavate toodete tähistusele esitatavad nõuded.

Keel et

Asendab EVS-EN 998-2:2001

Asendatud EVS-EN 998-2:2010

**EVS-EN 1555-2:2003**

Identne EN 1555-2:2002

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes**

This part of prEN 1555 specifies the characteristics of pipes made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-2:2010

**EVS-EN 1555-3:2003**

Identne EN 1555-3:2002

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of prEN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings made from PE and other materials for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-3:2010

**EVS-EN 1555-5:2003**

Identne EN 1555-5:2002

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This part of prEN 1555 specifies requirements of fitness for purpose of the polyethylene (PE) piping system in the field of the supply of gaseous fuels. It specifies the definitions of electrofusion, butt fusion and mechanical joints

Keel en

Asendatud EVS-EN 1555-5:2010

**EVS-EN 1555-3:2003/A1:2005**

Identne EN 1555-3:2002/A1:2005

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of prEN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings made from PE and other materials for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-3:2010

**EVS-EN 1555-1:2003**

Identne EN 1555-1:2002

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General**

This part of prEN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard

Keel en

Asendatud EVS-EN 1555-1:2010

**EVS-EN 12629-2:2003**

Identne EN 12629-2:2002

**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

Asendatud EVS-EN 12629-2:2003+A1:2010

**EVS-EN 12629-3:2003**

Identne EN 12629-3:2002

**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

Asendatud EVS-EN 12629-3:2003+A1:2010

**EVS-EN 12629-4:2001**

Identne EN 12629-4:2001

**Betoonist ja kaltsiumsilikaadist konstruktsioonielementide valmistamiseks mõeldud masinad. Ohutus. Osa 4: Betoonist katuseplaate 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

Asendatud EVS-EN 12629-4:2001+A1:2010

**EVS-EN 12629-8:2003**

Identne EN 12629-8:2002

**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

Asendatud EVS-EN 12629-8:2003+A1:2010

**EVS-EN 12629-1:2000**

Identne EN 12629-1:2000

**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

Asendatud EVS-EN 12629-1:2000+A1:2010

**EVS-EN 12629-5-1:2004**

Identne EN 12629-5-1:2003

**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

Asendatud EVS-EN 12629-5-1:2004+A1:2010

**EVS-EN 12629-5-2:2004**

Identne EN 12629-5-2:2003

**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

Asendatud EVS-EN 12629-5-2:2004+A1:2010

**EVS-EN 12629-5-3:2004**

Identne EN 12629-5-3:2003

**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

Asendatud EVS-EN 12629-5-3:2004+A1:2010



**EVS-EN 12629-5-4:2004**

Identne EN 12629-5-4:2003

**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

Asendatud EVS-EN 12629-5-4:2004+A1:2010

**EVS-EN 12629-6:2004**

Identne EN 12629-6:2004

**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

Asendatud EVS-EN 12629-6:2004+A1:2010

**EVS-EN 12629-7:2004**

Identne EN 12629-7:2004

**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

Asendatud EVS-EN 12629-7:2004+A1:2010

**EVS-EN 20140-10:1999**

Identne EN 20140-10:1992

ja identne ISO 140-10:1991

**Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneosadel. Osa 10: Väikeste hooneosade õhuheli isolatsiooni laborimõõtmine**

Standard esitab väikeste hooneosade õhuheli isolatsiooni mõõtmise meetodi difuusse (heli)välja tingimustes. Meetodit saab rakendada alla 1 m<sup>2</sup> pindalaga hooneosade puhul.

Keel en

Asendatud EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-4:2010

**EVS-EN ISO 140-3:1999**

Identne EN ISO 140-3:1995

ja identne ISO 140-3:1995

**Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneosadel. Osa 3: Hooneosade õhuheli isolatsiooni laborimõõtmised**

Standardi ISO 140 see osa määrab kindlaks õhuheli isolatsiooni mõõtmise laborimeetodi selliste hooneosade korral, nagu seinad, põrandad, ukсед, aknad, fassaadi osad ja fassaadid, v.a väikesteks liigitatud hooneosad.

Keel en

Asendatud EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-4:2010

**EVS-EN ISO 140-6:1999**

Identne EN ISO 140-6:1998

ja identne ISO 140-6:1998

**Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneosadel. Osa 6: Põrandate löögiheli isolatsiooni laborimõõtmised**

Standard määrab kindlaks laborimeetodi põrandate kaudu kanduva löögimüra mõõtmiseks, kasutades standardset löögimasinat. Meetodit saab kasutada nii katteta kui ka kattega põrandate korral.

Keel en

Asendatud EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-4:2010

**EVS-EN ISO 140-8:1999**

Identne EN ISO 140-8:1997

ja identne ISO 140-8:1997

**Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneteosadel. Osa 8: Kaalult raske standardpõranda katete löögimüra alandava mõju laborimõõtmised**

Standard määrab kindlaks põrandakatete löögimüra ülekandvate omaduste mõõtmise laborimeetodi. Meetodit saab kasutada kõikide põrandakattetüüpide korral.

Keel en

Asendatud EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-4:2010

**EVS-EN ISO 140-1:1999**

Identne EN ISO 140-1:1997

ja identne ISO 140-1:1997

**Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneosadel. Osa 1: Nõuded summutatud kaudset müra ülekandvatele laborikatseseadmetele**

Standard esitab üksikasjalikud nõuded hoone osade heliisolatsiooni mõõtmisel kasutatavate laborikatseseadmete kohta. Standardit saab rakendada selliste laborikatseseadmete korral, mille kiirgus on külgosadelt summutatud.

Keel en

Asendatud EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-4:2010

### **EVS-EN ISO 140-11:2005**

Identne EN ISO 140-11:2005

ja identne ISO 140-11:2005

#### **Acoustics - Measurement of sound insulation in buildings and of building elements - Part 11: Laboratory measurements of the reduction of transmitted impact sound by floor coverings on lightweight reference floors**

This part of ISO 140 specifies methods for measuring the acoustic properties of floor coverings from the viewpoint of reducing impact sound transmission. The purpose of this part of ISO 140 is to establish a method for determining the impact sound insulation of a floor covering under standard test conditions.

Keel en

Asendatud EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-4:2010

### **EVS-EN ISO 140-16:2006**

Identne EN ISO 140-16:2006

ja identne ISO 140-16:2006

#### **Acoustics - Measurement of sound insulation in buildings and of building elements - Part 16: Laboratory measurement of the sound reduction index improvement by additional lining**

This part of ISO 140, as a complement to ISO 140-3, specifies the laboratory measurement of the improvement of the sound-reduction index of a wall or ceiling when covered by an additional acoustical lining. It also provides for individual non-standardized basic elements. This part of ISO 140 does not deal with the sound-reduction improvement by linings on flexible lightweight structures, such as timber-frame floors or double-leaf gypsum board walls.

Keel en

Asendatud EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-5:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-4:2010

### **EVS-EN ISO 140-1:1999/A1:2005**

Identne EN ISO 140-1:1997/A1:2004

ja identne ISO 140-1:1997/A1:2004

#### **Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneosadel. Osa 1: Nõuded summutatud kaudset müra ülekandvatele laborikatseseadmetele.**

##### **Muudatus 1: Erinõuded kergete ehituselementide katseavause konstruktsioonile**

Standard esitab üksikasjalikud nõuded hoone osade heliisolatsiooni mõõtmisel kasutatavate laborikatseseadmete kohta. Standardit saab rakendada selliste laborikatseseadmete korral, mille kiirus on külgosadelt summutatud.

Keel en

Asendatud EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-4:2010; EVS-EN ISO 10140-5:2010

### **EVS-EN ISO 140-3:1999/A1:2005**

Identne EN ISO 140-3:1995/A1:2004

ja identne ISO 140-3:1995/A1:2004

#### **Acoustics - Measurement of sound insulation in buildings and of building elements - Part 3: Laboratory measurements of airborne sound insulation of building elements - Amendment 1: Installation guidelines for lightweight twin leaf partitions**

Standardi ISO 140 see osa määrab kindlaks õhuheli isolatsiooni mõõtmise laborimeetodi selliste hooneosade korral, nagu seinad, põrandad, ukсед, aknad, fassaadi osad ja fassaadid, v.a väikesteks liigitatud hooneosad.

Keel en

Asendatud EVS-EN ISO 10140-1:2010; EVS-EN ISO 10140-2:2010; EVS-EN ISO 10140-3:2010; EVS-EN ISO 10140-4:2010; EVS-EN ISO 10140-5:2010

### **EVS-HD 384.7.702 S2:2004**

Identne HD 384.7.702 S2:2002

ja identne IEC 60364-7-702:1997

#### **Ehitiste elektripaigaldised. Osa 7: Nõuded eripaigaldistele ja -paikadele. Jagu 702: Ujumis- ja muud basseinid**

Käesoleva jao erinõuded kehtivad ujumis-, purskkaevu- ja sumamisbasseinide kohta. Ühtlasi kehtivad need nimetatud basseine ümbritsevate tsoonide kohta. Neil aladel on elektrilöögi oht ka normaaloludes tavalisest suurem, kuna inimkeha elektriline takistus on väiksem ja keha on kokkupuutes maa potentsiaaliga. Seadmestandardites käsitletavat ujumisbasseinid ei kuulu käesoleva standardi käsitlusalaselle. Meditsiini-liseks otstarbeks ettenähtud ujumisbasseinide kohta võib osutada vajalikuks erinõuete kehtestamine.

Keel et

Asendatud EVS-HD 60364-7-702:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 1996-1-1:2005/prA1**

Identne EN 1996-1-1:2005/prA1:2010

Tähtaeg 30.12.2010

#### **Eurokoodeks 6: Kivikonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid sarrustatud ja sarrustamata kivikonstruktsioonide projekteerimiseks**

Eurocode 6 applies to the design of buildings and civil engineering works, or parts thereof, in unreinforced, reinforced, prestressed and confined masonry.

Keel en

#### **EN 1998-2:2006/FprA2:2010**

Identne EN 1998-2:2005/FprA2:2010

Tähtaeg 30.12.2010

#### **Eurokoodeks 8: Maavärinat taluvate konstruktsioonide projekteerimine. Osa 2: Sillad**

The scope of Eurocode 8 is defined in EN 1998-1:2004, 1.1.1 and the scope of this Standard is defined in 1.1.1. Additional parts of Eurocode 8 are indicated in EN 1998-1:2004, 1.1.3.

Keel en

**EN 1999-1-4:2007/FprA1**

Identne EN 1999-1-4:2007/FprA1:2010

Tähtaeg 30.12.2010

**Eurokoodeks 9: Alumiiniumkonstruktsioonide projekteerimine. Osa 1-4: Külmaalvatsitud lehtmaterjal**

EN 1999 applies to the design of buildings and civil engineering and structural works in aluminium. It complies with the principles and requirements for the safety and serviceability of structures, the basis of their design and verification that are given in EN 1990 – Basis of structural design.

Keel en

**EN 13241-1:2005/FprA1**

Identne EN 13241-1:2003/FprA1:2010

Tähtaeg 30.12.2010

**Tööstus-, kommerts ning garaaziuksed ja -väravad. Tootestandard. Osa 1: Tooted, millele ei esitata tulepüsivus- või suitsutõkestusnõudeid**

Käesolev Euroopa standard spetsifitseerib ohutus- ja toimivusnõuded ustele, väravatele ja tōketele, mis on mõeldud paigaldamiseks inimtegevusega seotud kohtadesse ja mille peamiseks kasutusotstarbeks on tagada tööstus-, äri- ja elu-hoonetes ohutu ligipääs kaupadele ning sõidukitele, mida saadavad või juhivad inimesed.

Keel en

**EN 14154-2:2005/FprA2**

Identne EN 14154-2:2005/FprA2:2010

Tähtaeg 30.12.2010

**Veearvestid. Osa 2: Paigaldus ja kasutamistingimused**

Käesolev dokument määrab kindlaks veearvestite valiku kriteeriumid, nõuded paigaldusel ning esmase tegevuse uute või remonditud arvestite käikuandmisel, et tagada täpne ja püsiv mõõtmine ning tõene arvesti näit. Rakendustes, kus on õiguslikult nõutud, et veearvesti vastaks mõõtevahendite direktiivi nõuetele, võib käesolev dokument olla kasutusel selle vastavuse demonstreerimiseks. Kus asjakohased rahvuslikud õiguslikud nõuded on juba olemas, peavad need kõikidel juhtudel olema ülemuslikud või olema lisatud käesoleva dokumendiosa määratlustele.

Keel en

**EN 14154-3:2005+A1:2007/FprA2**

Identne EN 14154-3:2005+A1:2007/FprA2:2010

Tähtaeg 30.12.2010

**Veearvestid. Osa 3: Katsemeetodid ja seadmed**

Käesolev dokument rakendub veearvestitele, mis on ette nähtud kasutamiseks olme-, äri-, väiketööstus- või tööstustarbimises ning määratleb katsetingimused ja katsemeetodid veearvestitele, olenemata nende dokumendis "EN 14154-1:2005+A1" määratletud tööpõhimõtetest. Veearvesteid kasutatakse puhta külma joogivee või soojendatud vee tegeliku mahu mõõtmisel, mis voolab läbi täielikult täidetud kinnise torustiku. Need veearvestid peavad sisaldama seadmeid, mis näitavad integreeritud veemahtu. Töövõimekatsetel või mõjuri toime määramisel veearvestitele nimikuluga Q3 > 160 m3/h võib näha ette katseprogrammis tugitingimuste muudatusi, et viia need vastavusse konkreetse labori piirangutega. Sellisel viisil katsetatud arvestid tuleb märgistada nii, et oleks selgelt näidatud osaline vastavus käesolevale dokumendile. Sellele märgistusele täiendavalt on arvesti tootja kohustatud täielikult avalikustama labori piirangust tuleneva(d) konkreetse(d) mittevastavuse(d).

Keel en

**FprEN 62305-1:2010/FprAA**

Identne FprEN 62305-1:2010/FprAA:2010

Tähtaeg 30.12.2010

**Piksekaitse. Osa 1: Üldpõhimõtted**

This part of IEC 62305 provides general principles to be followed for protection of structures against lightning, including their installations and contents, as well as persons. The following cases are outside the scope of this standard: - railway systems; - vehicles, ships, aircraft, offshore installations; - underground high pressure pipelines; - pipe, power and telecommunication lines placed outside the structure.

Keel en

**FprEN 62305-2:2010/FprAA**

Identne FprEN 62305-2:2010/FprAA:2010

Tähtaeg 30.12.2010

**Piksekaitse. Osa 2: Riskianalüüs**

This part of IEC 62305 is applicable to risk assessment for a structure due to lightning flashes to earth. Its purpose is to provide a procedure for the evaluation of such a risk. Once an upper tolerable limit for the risk has been selected, this procedure allows the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit.

Keel en

**FprEN 62305-4:2010/FprAA**

Identne FprEN 62305-4:2010/FprAA:2010

Tähtaeg 30.12.2010

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

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

Keel en

**FprEN 62561-7**

Identne FprEN 62561-7:2010

ja identne IEC 62561-7:201X

Tähtaeg 30.12.2010

**Lightning Protection System Components (LPSC) - Part 7: Requirements for earthing enhancing compounds**

This International Standard specifies the requirements and tests for earthing enhancing compounds producing low resistance of an earth termination system.

Keel en

Asendab EVS-EN 50164-7:2008

**FprHD 60364-7-715**

Identne FprHD 60364-7-715:2010

ja identne IEC 60364-7-715:201X

Tähtaeg 30.12.2010

**Ehitiste elektripaigaldised. Osa 7-715: Nõuded eripaigaldistele ja paikadele. Väikepingelised valgustuspaigaldised**

The particular requirements of this part of IEC 60364 apply to the selection and erection of extra-low-voltage lighting installations supplied from sources with a maximum rated voltage of 50V a.c. or 120 V d.c

Keel en

Asendab EVS-HD 60364-7-715:2005

**prEN 494**

Identne prEN 494:2010

Tähtaeg 30.12.2010

**Kiudtsemendist profiiltahvlid ja nende liitekohad. Tootespetsifikaat ja katsemeetodid**

This document specifies the technical requirements and establishes methods of control and test as well as acceptance conditions for fibre-cement profiled sheets and their fibre-cement fittings for one or more of the following uses: - roofing, - internal wall finishes, - external wall and ceiling finishes. For the purpose of this document fibre-cement profiled sheets are classified according to their height of corrugation and their mechanical characteristics. This document covers fibre-cement profiled sheets reinforced with fibres of different type as specified in 5.1.1, with and without factory applied coating. This document does not include calculations with regard to works, design requirements, installation techniques, wind uplift or rain proofing of the installed sheets.

Keel en

Asendab EVS-EN 494:2005+A3:2007

**prEN 12110**

Identne prEN 12110:2010

Tähtaeg 30.12.2010

**Läbindusmasinad. Õhukorgid. Ohutusnõuded**

This European Standard applies to the design, construction, equipping, marking and testing of air locks as defined in 3.3 and pressure bulkheads as defined in 3.4, which are to be used in tunnelling work. An oxygen breathing system used to provide the breathing supply necessary to conduct a safe decompression is also covered by this standard.

Keel en

Asendab EVS-EN 12110:2002+A1:2008

**prEN 12111**

Identne prEN 12111:2010

Tähtaeg 30.12.2010

**Läbindusmasinad. Teeheedrid, kombainid ja lõõkripperid. Ohutusnõuded**

This European Standard specifies all significant hazards, hazardous situations and events relevant to road headers and continuous miners as defined in Clause 3, when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4). Where mentioned, this standard applies also to cutter head attachments and impact hammers mounted on excavators and in tunnel shields. This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. Within the conditions stated by the manufacturer, overturning of the road header or continuous miner is not a significant hazard. Noise is not a significant hazard for cutter head attachments. Excavators and tunnel shields mentioned above are out with the scope of this standard and are covered by EN 474+A1 and EN 12336+A1 respectively. This European Standard also covers reasonably foreseeable misuse of such machinery in that compliance with the requirements of Clause 5 mitigates the risk arising from such misuse. The following items and applications are not covered by this European Standard: - the supply of electricity up to the main switch box; - use of the machine in potentially explosive atmospheres; - use of the machine under hyperbaric conditions - loading and transport equipment which is not an integral part of the machine; This European Standard covers monitoring for hazardous atmospheres. This European Standard is not applicable to machines manufactured before the date of publication of this European Standard by CEN

Keel en

Asendab EVS-EN 12111:2003+A1:2009

**prEN 12467**

Identne prEN 12467:2010

Tähtaeg 30.12.2010

**Fiibertsementplaadid. Toote spetsifikatsioonid ja katsemeetodid**

This document specifies the technical requirements and establishes methods of inspection and test as well as acceptance conditions for fibre-cement flat sheets, siding shingles and planks (referred to as sheets later in this document) for one or more of the following uses: - internal wall and ceiling finishes, - external wall and ceiling finishes. Products covered by this document can be used for other purposes provided they comply with the relevant application standard, e.g. rigid underlays. This document covers sheets reinforced with fibres of different types as specified in 5.1.1. This document does not cover sheets for fire protection purposes. This document does not include calculations with regard to works, design requirements, installation techniques, wind uplift or rain proofing of the installed sheets.

Keel en

Asendab EVS-EN 12467:2005

**prEN 13142**

Identne prEN 13142:2010

Tähtaeg 30.12.2010

**Hoonete ventilatsioon – Elamute ventilatsiooniseadmed ja -komponendid – Nõutavad ja valikulised katsetamise karakteristikad**

This European Standard specifies and classifies the component/product performance characteristics which may be necessary for the design and dimensioning of residential ventilation systems to provide the predetermined comfort conditions of temperature, air velocity, humidity, hygiene and sound in the occupied zone. It defines those performance characteristics (mandatory or optional) which shall be determined and measured and presented according to relevant test methods. It will provide a classification scheme which lead to a full definition of product properties based on European test methods described in various EN standards and gives an overview of the Test Standards in various CEN TC's. Distinction between mandatory and optional requirement is left to each national regulations. This standard gives an informative national annex in which the member states define the valid parameters.

Keel en

Asendab EVS-EN 13142:2004

**prEN 13203-4**

Identne prEN 13203-4:2010

Tähtaeg 30.12.2010

**Gas fired domestic appliances producing hot water - Part 4: assessment of energy consumption of gas fired appliances combined heat and power (micro CHP) producing hot water and electricity not exceeding 70 kW heat input, not exceeding 50 kWe electrical output and 500 l water storage capacity**

This European Standard is applicable to gas-fired micro CHP appliances producing domestic hot water and electricity. The electricity is generated in a process linked to the production of useful heat. It applies to a package marketed as single unit or a package fully specified by a manufacturer that have : - a gas heat input not exceeding 70 kW; - an electrical output not exceeding 50 kWe and - a hot water storage capacity not exceeding 500 litres. This European Standard EN 13203 is formed in four parts which cover aspects of domestic hot water production. Standard EN 13203-1 sets out in qualitative and quantitative terms the performance in delivery of domestic hot water for a selected variety of uses. It also gives a system for presenting the information to the user. This first part complements EN 26, EN 89 and EN 625. Standard EN 13203-2 sets out a method for assessing the energy performance of the appliances. It defines a number of daily tapping cycles for each domestic hot water use, kitchen, shower, bath and a combination of these, together with corresponding test procedures, enabling the energy performances of different gas-fired appliances to be compared and matched to the needs of the user. PR EN 13203-3 deals with the assessment of energy consumption of solar supported gas-fired domestic appliances producing hot water. This Part 4 sets out a method for assessing the energy performance of gas fired micro CHP appliances.

Keel en

**prEN 16191**

Identne prEN 16191:2010

Tähtaeg 30.12.2010

**Tunnelling machinery - Safety requirements**

This European Standard is applicable to tunnelling machinery as defined in Clause 3 used for the construction of tunnels, shafts and other underground excavations. It specifies the essential safety requirements for the design, installation, maintenance, and information for use of such machinery. This European Standard also covers reasonably foreseeable misuse of such machinery in that compliance with the requirements of clause 5 mitigates the risk arising from such misuse. This European Standard covers monitoring for hazardous atmospheres within the confines of the tunnelling machinery. As microtunnelling, thrust boring and auger boring machines do not expose persons to noise, noise is not a significant hazard for such machines. Hand-arm and whole-body vibration are not considered as significant hazard for tunnelling machinery. Tunneling machinery operating below ground level does not present a significant EMC hazard to machinery operating on the surface.

Keel en

Asendab EVS-EN 12336:2005+A1:2008; EVS-EN 815:1999+A2:2008

**prEN 16194**

Identne prEN 16194:2010

Tähtaeg 30.12.2010

**Mobile non-sewer-connected toilet cabins - Requirements of services and products relating to the deployment of cabins and sanitary products**

This standard applies to mobile toilet cabins that are not connected to a sewerage system. It specifies requirements of the services relating to the deployment of cabins and the relevant requirements for cabins and sanitary products, taking into account hygiene, health and safety. It specifies minimum quality requirements relating to cabins and sanitary products and also relating to the extent of cleaning required, the number of cabins to be provided, locations and cleaning/disposal intervals.

Keel en

**prEVS 812-8**

ja identne EVS 812-7:2007

Tähtaeg 30.12.2010

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

Standard käsitleb kõrghoonete tuleohutust, välja arvatud aatriumruumidega hooned

Keel et

**prEVS-ISO 10137**

Tähtaeg 30.12.2010

**Konstruksioonide projekteerimise alused – Hoonete ja kõnniteede kasutatavus vibratsioonide suhtes**

Käesolev rahvusvaheline standard annab soovituselised hoonete ja kõnniteede kasutatavuse hindamiseks vibratsioonide suhtes hoonetele ja kõnniteedele hoonete sees või hoonetega väljaspoolt seotuna. See katab kolme vibratsioonide vastuvõtjat: a) inimeste viibimine hoonetes ja kõnniteedel; b) hoone sisustus; c) hoonekonstruktsioonid. See ei sisalda liiklusvahendeid kandvaid silde, isegi kui need on seotud jalakäijate liiklusega, ega vundamente või seadmete toekonstruktsioone. Käesoleva rahvusvahelise standardi tarbeks eeldatakse, et ehituskonstruktsiooni vastupanu koormustele oleneb viimastest lineaarselt. See tähendab, et konstruktsioon ei voola ega varise ning pole oluliste mittelineaarsete mõjurite subjektiks.

**UUED STANDARDID JA PUBLIKATSIOONID****CWA 16221:2010**

Hind 315,00

Identne CWA 16221:2010

**Vehicle security barriers - Performance requirements, test methods and guidance on application**

This CWA specifies a classification system for the performance of a vehicle security barrier (VSB) when subjected to a single horizontal impact. This CWA specifies two methods for determining the performance classification of a VSB: the vehicle impact method for all types of VSBs using a test vehicle classified in accordance with EC Directive 2007/46/EC [1] and registered for use in Europe; the design method for all types of VSBs. This CWA refers to alternative test methods for determining the performance classification of a VSB (see Annex A). This CWA also provides guidance for the selection, installation and use of VSBs (see Annexes D to M). This CWA also describes the process of producing "operational requirements" (see Annex N). This CWA does not cover the performance of a VSB or its control apparatus when subjected to: blast explosion; ballistic impact; manual attack, with the aid of tools (excluding vehicles).

Keel en

**EVS-EN 1536:2010**

Hind 315,00

Identne EN 1536:2010

**Execution of special geotechnical work - Bored piles**

This European Standard establishes general principles for the execution of bored piles (see 3.2).

Keel en

Asendab EVS-EN 1536:2001

**EVS-EN 1538:2010**

Hind 243,00

Identne EN 1538:2010

**Execution of special geotechnical work - Diaphragm walls**

This European Standard establishes general principles for the execution of diaphragm walls as either retaining walls or cut-off walls.

Keel en

Asendab EVS-EN 1538:2000

**EVS-EN 12697-44:2010**

Hind 135,00

Identne EN 12697-44:2010

**Bituminous mixtures - Test methods for hot mix asphalt - Part 44: Crack propagation by semi-circular bending test**

This European Standard specifies the Semi-Circular Bending (SCB) test method to determine the tensile strength or fracture toughness of an asphalt mixture for the assessment of the potential for crack propagation. The results of the test can be used to calculate: - the maximum load that the material containing a notch (crack) can resist before failure; - when the presence of a notch is critical. It should be noted that the test only describes a method to determine the resistance to crack propagation of an asphalt mixture. The crack propagation phase describes the second part of failure mechanism during dynamic loading. The first phase, which is the crack initiation phase, is mainly covered by the fatigue test (EN 12697-24).

Keel en

**EVS-EN 13286-2:2010**

Hind 188,00

Identne EN 13286-2:2010

**Sidumata ja hüdrauliliselt seotud segud - Osa 2: Kuiva tiheduse ja veesisalduse laboratoorse määramise katsemeetodid - Proctor-teim**

Käesolev Euroopa standard kehtestab Proctor-teimi kohaselt tihendatud hüdrauliliselt seotud või sidumata segude veesisalduse ja kuivtiheduse sõltuvuse määramise katsemeetodid. Procto-teimi abil saab hinnata segu tihedust, mis on võimalik saavutada ehitusplatsidel ja annab võrdluskriteeriumi hindamiseks tihendatud segukihi tihedust. Käesolev Euroopa standard kehtib ainult täitematerjali sidumata ja hüdrauliliselt seotud segude kohta, mida kasutatakse teedeehitus- ja tsiviilehitustöödel. See ei kehti mullatööde pinnase puhul. Selle katsemeetodi tulemusi saab kasutada segude võrdlemise alusena enne nende kasutamist teedeehituses. Katse tulemused võimaldavad ka hinnata veesisaldust, mille puhul saab segu ettenähtud kuivtiheduse saavutamiseks rahuldavalt tihendada. Käesolev katse on sobiv segude jaoks, millel ülemise sõela erinevad suurused (D) on kuni 63 mm ja ülemõõdulisi terasid on kuni 25 % massist.

Keel en

Asendab EVS-EN 13286-2:2004

**EVS-EN 14982:2006+A1:2010**

Hind 114,00

Identne EN 14982:2006+A1:2010

**Plastics piping and ducting systems - Thermoplastics shafts or risers for inspection chambers and manholes - Determination of ring stiffness**

This European Standard specifies a test method for assessing the initial (short-term) tangential ring stiffness of riser shafts for thermoplastics inspection chambers or manholes.

Keel en

Asendab EVS-EN 14982:2006

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 1536:2001**

Identne EN 1536:1999

#### **Execution of special geotechnical work - Bored piles**

This standard establishes general principles for the construction of piles - which are formed in the ground by boring or other methods of excavation, - which contain a structural member to transfer loads and or limit deformations.

Keel en

Asendatud EVS-EN 1536:2010

### **EVS-EN 1538:2000**

Identne EN 1538:2000

#### **Execution of special geotechnical work - Diaphragm walls**

This European Standard deals with the execution of diaphragm walls. Execution includes not only the work on the construction site, but also practical aspects which must be taken into account in the production of the working drawings. Diaphragm walls can be permanent or temporary structures.

Keel en

Asendatud EVS-EN 1538:2010

### **EVS-EN 13286-2:2004**

Identne EN 13286-2:2004

#### **Unbound and hydraulically bound mixtures - Part 2: Test method for the determination of the laboratory reference density and water content - Proctor compaction**

This document 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.

Keel en

Asendatud EVS-EN 13286-2:2010

### **EVS-EN 14982:2006**

Identne EN 14982:2006

#### **Plastics piping and ducting systems - Thermoplastics shafts or risers for inspection chambers and manholes - Determination of ring stiffness**

This European Standard specifies a test method for assessing the tangential ring stiffness of riser shafts for thermoplastics inspection chambers or manholes.

Keel en

Asendatud EVS-EN 14982:2006+A1:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 1998-2:2006/FprA2:2010**

Identne EN 1998-2:2005/FprA2:2010

Tähtaeg 30.12.2010

#### **Eurokoodeks 8: Maavärinat taluvate konstruktsioonide projekteerimine. Osa 2: Sillad**

The scope of Eurocode 8 is defined in EN 1998-1:2004, 1.1.1 and the scope of this Standard is defined in 1.1.1.1. Additional parts of Eurocode 8 are indicated in EN 1998-1:2004, 1.1.3.

Keel en

### **FprEN 1824**

Identne FprEN 1824:2010

Tähtaeg 30.12.2010

#### **Teemärgistusmaterjalid. Teedel tehtavad katsed**

This document specifies the requirements for conducting road trials for road marking materials intended for use in both permanent and temporary road marking. Details are given for test sites, for the application of road marking materials on the test sites, for the parameters to be measured and the frequency of the measurements and for the presentation of the results in the form of a test report.

Keel en

Asendab EVS-EN 1824:2000

### **FprEN 12802**

Identne FprEN 12802:2010

Tähtaeg 30.12.2010

#### **Road marking materials - Laboratory methods for identification**

This document specifies laboratory methods for the identification of road marking materials used in horizontal signalization. It is not necessary, unless required, to perform all of the tests described.

Keel en

Asendab EVS-EN 12802:2000

### **FprEN 13197**

Identne FprEN 13197:2010

Tähtaeg 30.12.2010

#### **Road marking materials - Wear simulator Turntable**

This document specifies the requirements for wear simulator test for road marking materials intended for use in both permanent and temporary road markings including those with increased retroreflection under wet and rain conditions, without road studs. It gives description for the equipment and for test plate's characteristics; it also gives description for the test method involving road marking materials application, test conditions during wear test, parameters to be measured, frequency of the measurements and expression of the results as a test report. This document gives also the requirements to be followed when the test is to be used for CE marking purposes.

Keel en

Asendab EVS-EN 13197:2001

### **FprEN 13212**

Identne FprEN 13212:2010

Tähtaeg 30.12.2010

#### **Road marking materials - Requirements for factory production control**

This document gives the requirements for factory production control (FPC) for the manufacturer of road marking materials. This document specifies which types of test have to be taken into consideration within the FPC but it leaves the precise methods to be applied to be dependent on the characteristics of the manufacturer's installation and production methods. The precise parameters and methods will be found in the written procedures agreed between the manufacturer and the third party responsible for the initial assessment of the FPC.

Keel en

Asendab EVS-EN 13212:2001

**FprEN 13459**

Identne FprEN 13459:2010

Tähtaeg 30.12.2010

**Road marking materials - Sampling from storage and testing**

This document specifies methods to obtain representative samples of road marking materials for testing and gives the appropriate test methods. The methods to obtain representative samples are described as appropriate for the main product types, i.e. paint, cold plastics, thermoplastics, premix glass beads, drop-on materials, preformed road markings and retroreflecting road studs.

Keel en

Asendab EVS-ENV 13459-1:2000

**FprEN 14033-1**

Identne FprEN 14033-1:2010

Tähtaeg 30.12.2010

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

This European Standard defines the specific technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment. This European Standard applies to all railbound machines and other vehicles – referred to as machines – running exclusively on the railway (utilising adhesion between the rail and wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This European Standard applies to machines that are intended to operate signalling and control systems. Other machines are dealt with in other European Standards, see Annex K. Special requirements can apply for running on infrastructures with narrow gauge or broad gauge lines, lines of tramways, railways utilising other than adhesion between the rail and wheels, road-rail machines and underground infrastructures. This European Standard covers the requirements for safety and access of railway traffic, railway specific requirements for running on different infrastructures in relation to necessary movements of the machine as a train and movements to reach work sites.

Keel en

Asendab EVS-EN 14033-1:2008

**FprEN ISO 11296-1**

Identne FprEN ISO 11296-1:2010

ja identne ISO 11296-1:2009

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General**

This part of ISO 11296 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground non-pressure drainage and sewerage networks, which are operated as gravity systems and subjected to a maximum surcharge pressure of 0,5 bar1). It is applicable to pipes and fittings as manufactured, as well as to the installed plastics lining system; it is not applicable to the existing pipeline or any annular filler. This part of ISO 11296 establishes the general requirements common to all relevant renovation techniques (see 3.1.2).

Keel en

**FprEN ISO 11296-3**

Identne FprEN ISO 11296-3:2010

ja identne ISO 11296-3:2009

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 3: Lining with close-fit pipes**

This part of ISO 11296, in conjunction with ISO 11296-1, specifies requirements and test methods for close-fit lining systems intended to be used for the renovation of non-pressure drainage and sewerage networks. It applies to pipes and fittings made of polyethylene (PE) or unplasticized poly(vinyl chloride) (PVC-U). It is applicable to the plastic lining system only. It is not applicable to the requirements for the existing pipeline.

Keel en

**FprEN ISO 11296-4**

Identne FprEN ISO 11296-4:2010

ja identne ISO 11296-4:2009

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes**

This part of ISO 11296, in conjunction with ISO 11296-1, specifies requirements and test methods for cured-in-place pipes and fittings used for the renovation of underground non-pressure drainage and sewerage networks. It applies to the use of various thermosetting resin systems, in combination with compatible fibrous carrier materials and other process-related plastics components (see 5.1).

Keel en

**FprEN ISO 11298-1**

Identne FprEN ISO 11298-1:2010

ja identne ISO 11298-1:2010

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground water supply networks - Part 1: General**

This part of ISO 11298 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground water supply networks, which transport water intended for human consumption, including raw water intake pipelines. It is applicable to pipes and fittings, as manufactured, as well as to the installed lining system. It is not applicable to cover sprayed coatings, the existing pipeline or any annular filler. This part of ISO 11298 gives the general requirements common to all relevant renovation techniques.

Keel en

**FprEN ISO 11298-3**

Identne FprEN ISO 11298-3:2010

ja identne ISO 11298-3:2010

Tähtaeg 30.12.2010

**Plastics piping systems for renovation of underground water supply networks - Part 3: Lining with close-fit pipes**

This part of ISO 11298, in conjunction with ISO 11298-1, specifies requirements and test methods for close-fit lining systems intended to be used for the renovation of water supply networks, which transport water intended for human consumption, including raw water intake pipelines. It is applicable to polyethylene (PE) pipe for both independent and interactive pressure pipe liners as well as associated fittings and joints for the construction of the lining system.

Keel en



**prEN 12110**

Identne prEN 12110:2010

Tähtaeg 30.12.2010

**Läbindusmasinad. Õhukorgid. Ohutusnõuded**

This European Standard applies to the design, construction, equipping, marking and testing of air locks as defined in 3.3 and pressure bulkheads as defined in 3.4, which are to be used in tunnelling work. An oxygen breathing system used to provide the breathing supply necessary to conduct a safe decompression is also covered by this standard.

Keel en

Asendab EVS-EN 12110:2002+A1:2008

**prEN 12111**

Identne prEN 12111:2010

Tähtaeg 30.12.2010

**Läbindusmasinad. Teeheedrid, kombainid ja löökripperid. Ohutusnõuded**

This European Standard specifies all significant hazards, hazardous situations and events relevant to road headers and continuous miners as defined in Clause 3, when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4). Where mentioned, this standard applies also to cutter head attachments and impact hammers mounted on excavators and in tunnel shields. This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. Within the conditions stated by the manufacturer, overturning of the road header or continuous miner is not a significant hazard. Noise is not a significant hazard for cutter head attachments. Excavators and tunnel shields mentioned above are out with the scope of this standard and are covered by EN 474+A1 and EN 12336+A1 respectively. This European Standard also covers reasonably foreseeable misuse of such machinery in that compliance with the requirements of Clause 5 mitigates the risk arising from such misuse. The following items and applications are not covered by this European Standard: - the supply of electricity up to the main switch box; - use of the machine in potentially explosive atmospheres; - use of the machine under hyperbaric conditions - loading and transport equipment which is not an integral part of the machine; This European Standard covers monitoring for hazardous atmospheres. This European Standard is not applicable to machines manufactured before the date of publication of this European Standard by CEN

Keel en

Asendab EVS-EN 12111:2003+A1:2009

**prEN 15383**

Identne prEN 15383:2010

Tähtaeg 30.12.2010

**Plastics piping systems for drainage and sewerage - Glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) - Manholes and inspection chambers**

This European Standard applies to a) inspection chambers, which are intended to be used with inverts which are at a depth not exceeding 2 m; b) manholes, when made from glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP). These products are intended to be used within a drain or sewer system operating without pressure or occasionally at a head of pressure up to 1 bar. It applies to products, and their joints, intended for use in buried installations and to be installed by open-trench techniques. The units have a circular shape with nominal sizes not exceeding the maximum nominal size specified in EN 14364. The intended use of these products is to provide access to, buried drain or sewer systems for the conveyance of waste water at temperatures up to 50 °C, without pressure or occasionally at a head of pressure up to 1 bar, outside buildings and installed in areas subjected to vehicle and/or pedestrian traffic. It specifies definitions, requirements and characteristics of manholes, inspection chambers, joints, materials, test methods and marking.

Keel en

**prEN 16191**

Identne prEN 16191:2010

Tähtaeg 30.12.2010

**Tunnelling machinery - Safety requirements**

This European Standard is applicable to tunnelling machinery as defined in Clause 3 used for the construction of tunnels, shafts and other underground excavations. It specifies the essential safety requirements for the design, installation, maintenance, and information for use of such machinery. This European Standard also covers reasonably foreseeable misuse of such machinery in that compliance with the requirements of clause 5 mitigates the risk arising from such misuse. This European Standard covers monitoring for hazardous atmospheres within the confines of the tunnelling machinery. As microtunnelling, thrust boring and auger boring machines do not expose persons to noise, noise is not a significant hazard for such machines. Hand-arm and whole-body vibration are not considered as significant hazard for tunnelling machinery. Tunneling machinery operating below ground level does not present a significant EMC hazard to machinery operating on the surface.

Keel en

Asendab EVS-EN 12336:2005+A1:2008; EVS-EN 815:1999+A2:2008

**95 SÕJATEHNIKA****ASENDATUD VÕI TÜHISTATUD STANDARDID****CWA 15517:2006**

Identne CWA 15517:2006

**European Handbook for Defence Procurement**

The present document gives information about the CEN Workshop 10 "Standardisation for Defence Procurement" (2002-2005) and its deliverable, the Web site "European Handbook for Defence Procurement".

Keel en

Asendatud CWA 15517:2009

## 97 OLME. MEELELAHUTUS. SPORT

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 15288-1:2008+A1:2010**

Hind 166,00

Identne EN 15288-1:2008+A1:2010

#### **Swimming pools - Part 1: Safety requirements for design CONSOLIDATED TEXT**

This European Standard specifies safety requirements relevant to certain aspects of design and construction of classified pools according to Clause 4. It is intended for those who are concerned with construction, planning and operation of classified swimming pools. It provides guidance about the risks associated by identifying the design characteristics required for a safe environment. The requirements of this European Standard are applicable to all new classified pools and, as appropriate, to specific refurbishments of classified existing pools. This European Standard has limited application to classified pools which consist of segregated areas of rivers, lakes or the sea but should be followed where relevant.

Keel en

Asendab EVS-EN 15288-1:2008

#### **EVS-EN 15312:2007+A1:2010**

Hind 256,00

Identne EN 15312:2007+A1:2010

#### **Free access multi-sports equipment - Requirements, including safety and test methods CONSOLIDATED TEXT**

This European Standard is applicable to free access multi-sports equipment and combinations intended for permanent installation (not temporary), which includes, but not exclusively, equipment for sports such as badminton, basketball, football, handball, hockey, table tennis, tennis, volleyball. This European Standard specifies requirements, including safety, for the equipment itself as well as for its in-stallation, inspection and maintenance. This European Standard is applicable to multi-sports equipment in-tended for individual and collective public use primarily by children and teenagers. This type of equipment is not intended for use by very young children, e.g. less than 36 months. This European Standard is not applicable to playground equipment as defined in EN 1176-1, free access facilities used for roller sports equipment (see EN 14974), fitness trails, artificial climbing structures (see EN 12572-1, EN 12572-2 and EN 12572-3). This European Standard does not deal with beach equipment, the ground surfaces the local environment and any feature outside the multi-sports equipment. This European Standard does not include any specific requirements other than for access and egress for dis-abled users.

Keel en

Asendab EVS-EN 15312:2007

#### **EVS-EN 15757:2010**

Hind 124,00

Identne EN 15757:2010

#### **Conservation of Cultural Property - Specifications for temperature and relative humidity to limit climate-induced mechanical damage in organic hygroscopic materials**

This European Standard is a guide specifying temperature and relative humidity levels to limit climate-induced physical damage of hygroscopic, organic materials, kept in long-term storage or exhibition (more than one per year) in indoor environments of museums, galleries, storage areas, archives, libraries, churches and modern or historical buildings.

Keel en

#### **EVS-EN 15758:2010**

Hind 135,00

Identne EN 15758:2010

#### **Conservation of cultural property - Procedures and instruments for measuring temperatures of the air and of the surfaces of objects**

This European Standard recommends the procedures for measuring the temperature of the air and of the surfaces of cultural property in indoor and outdoor environments, as well as specifying the minimum characteristics of instruments for such measurements. This document contains recommendations for accurate measurements to ensure the safety of objects and it is addressed to any people with the responsibility of the environment, its diagnosis, the conservation or maintenance of buildings, collections, or single object.

Keel en

#### **EVS-EN 15821:2010**

Hind 256,00

Identne EN 15821:2010

#### **Jätkukütmisega tahke kütusega saunaahjud. Nõuded ja katsemeetodid**

This European Standard covers multi-firing sauna stoves in which the heating stones are separated from and indirectly heated by the fire and the flue gases and which may be re-fuelled with several fuel loads. This European Standard specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) of multi-firing sauna stoves fired by wood logs and provides instructions for them. Furthermore, it also gives provisions for evaluation of conformity (i.e. initial type testing (ITT) and factory production control (FPC) and marking of these products. This standard is applicable to hand-fuelled intermittent burning multi-firing sauna stoves, which provide heat into the space where they are installed. These multi-firing sauna stoves may be supplied either as an assembled appliance or as a manufacturer's pre-designed unit consisting of pre-fabricated components designed to be built on site in accordance with the manufacturer's specified assembly instructions. One-off installations are not included. These multi-firing sauna stoves may burn only natural wood logs in accordance with the appliance operating instructions. Single-firing heat storage sauna stoves, in which the stones are directly heated by the fire and the flue gases, which pass through them, are not covered by this European Standard. This standard is also not applicable to mechanically fed sauna stoves, sauna stoves having fan assisted combustion air, sauna stoves fitted with a boiler, sauna stoves with incorporated flue or sauna stoves having any electrical connection.

Keel en

**EVS-EN 15828:2010**

Hind 178,00

Identne EN 15828:2010

**Mööblifurnituur. Hingede ja nende komponentide tugevus ja vastupidavus. Horisontaalteiljel pöörlevad toed ja hinged**

This European Standard specifies test methods and requirements for the strength and durability of all hinges, stays and systems which include hinges and stays pivoting on a horizontal axis and their components for all fields of application. It does not apply to systems intended for storage functions. This standard does not apply to electrically actuated systems. 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 hinges and the parts used for the attachment, e.g. mounting plates and screws. The strength and durability tests are carried out in a test frame with specified properties. The test results can only be used as a guide to the performance of a piece of furniture. The test results are only valid for the hinges tested. These results may be used to represent the performance of production models provided that the tested model is representative of the production model. With the exception of corrosion, ageing and the influence of heat and humidity are not included. Annex A (normative): requirements for product information. Annex B (normative): loads and cycles.

Keel en

**EVS-EN 15886:2010**

Hind 114,00

Identne EN 15886:2010

**Conservation of cultural property - Test methods - Colour measurement of surfaces**

This European Standard describes a test method to measure the surface colour of porous inorganic materials, and their possible chromatic changes. No reference to the appearance of glossy surfaces is described. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or ageing. The method is suitable for the measurement of colour coordinates of: - representative surfaces of specimens, see 3.11; - representative surfaces of objects, indoors or outdoors.

Keel en

**EVS-EN 60065:2002/A2:2010**

Hind 166,00

Identne EN 60065:2002/A2:2010

ja identne IEC 60065:2001/A2:2010

**Audio-, video- jms elektriseadmed. Ohutusnõuded**

This International Standard applies to electronic apparatus designed to be fed from the mains or from a supply apparatus and intended for reception, generation, recording or reproduction respectively of audio, video and associated signals. It also applies to apparatus designed to be used exclusively in combination with the above mentioned apparatus. This standard concerns only safety aspects of the above apparatus; it does not concern other matters, such as style or performance.

Keel en

**EVS-EN 60335-1:2003/A14:2010**

Hind 145,00

Identne EN 60335-1:2002/A14:2010

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 1: Üldnõuded**

This European Standard deals with the safety of electrical appliances and machines for household environment and commercial purpose, their rated voltage being not more than 250 V for single-phase appliances and machines and 480 V for other appliances and machines.

Keel en

**EVS-EN 60335-2-90:2006/A1:2010**

Hind 92,00

Identne EN 60335-2-90:2006/A1:2010

ja identne IEC 60335-2-90:2006/A1:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-90: Erinõuded kaubanduslikele mikrolaineahjudele**

This International Standard deals with:- the safety of microwave ovens with a cavity door intended for commercial use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. - the safety of combination microwave ovens with a cavity door, the requirements for which are contained in Annex AA. - the safety of microwave ovens without a cavity door and with transportation means that are intended for commercial use only, for the heating of food and beverages, the requirements for which are contained in Annex BB.

Keel en

**EVS-EN ISO 10873:2010**

Hind 145,00

Identne EN ISO 10873:2010

ja identne ISO 10873:2010

**Dentistry - Denture adhesives**

This International Standard classifies denture adhesives used by wearers of removable dentures; it also specifies requirements, test methods and instructions to be supplied for the use of such products. This International Standard is applicable to denture adhesives for use by the public and excludes the dental lining materials prescribed or applied by dental professionals. This International Standard does not specify qualitative or quantitative requirements for freedom from biological hazards. For assessing possible biological hazards, see ISO 7405 and ISO 10993-1.

Keel en

### **EVS-EN ISO 11609:2010**

Hind 178,00

Identne EN ISO 11609:2010

ja identne ISO 11609:2010

#### **Dentistry - Dentifrices - Requirements, test methods and marking**

This International Standard specifies requirements for the physical and chemical properties of dentifrices and provides guidelines for suitable test methods. It also specifies requirements for the marking, labelling and packaging of dentifrices. This International Standard applies to dentifrices, including toothpastes, destined to be used by the public on a daily basis with a toothbrush to promote oral hygiene. Specific qualitative and quantitative requirements for freedom from biological and toxicological hazards are not included in this International Standard. These are covered in ISO 7405[1] and ISO 10993-1[2].

Keel en

Asendab EVS-EN ISO 11609:1999

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 15288-1:2008**

Identne EN 15288-1:2008

#### **Swimming pools - Part 1: Safety requirements for design**

This European Standard specifies safety requirements relevant to certain aspects of design and construction of classified pools according to Clause 4. It is intended for those who are concerned with construction, planning and operation of classified swimming pools. It provides guidance about the risks associated by identifying the design characteristics required for a safe environment. The requirements of this European Standard are applicable to all new classified pools and, as appropriate, to specific refurbishments of classified existing pools. This European Standard has limited application to classified pools which consist of segregated areas of rivers, lakes or the sea but should be followed where relevant.

Keel en

Asendatud EVS-EN 15288-1:2008+A1:2010

#### **EVS-EN 15312:2007**

Identne EN 15312:2007

#### **Free access multi-sports equipment - Requirements, including safety, and test methods**

This European Standard is applicable to free access multi-sports equipment and combinations intended for permanent installation (not temporary), which includes, but not exclusively, equipment for sports such as badminton, basketball, football, handball, hockey, table tennis, tennis, volleyball. This European Standard specifies requirements, including safety, for the equipment itself as well as for its installation, inspection and maintenance. This European Standard is applicable to multi-sports equipment intended for individual and collective public use primarily by children and teenagers. This type of equipment is not intended for use by very young children, e.g. less than 36 months. This European Standard is not applicable to playground equipment as defined in EN 1176-1, free access facilities used for roller sports equipment (see prEN 14974), fitness trails, artificial climbing structures (see EN 12572). This European Standard does not deal with beach equipment, the ground surfaces the local environment and any feature outside the multi-sports equipment. This European Standard does not include any specific requirements other than for access and egress for disabled users.

Keel en

Asendatud EVS-EN 15312:2007+A1:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 60335-1:2003/FprAG**

Identne EN 60335-1:2002/FprAG:2010

Tähtaeg 30.12.2010

#### **Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 1: Üldnõuded**

Deals with the safety of electrical appliances for household and similar purposes. It deals with the common hazards presented by appliances that are encountered by all persons in and around the home. It also covers appliances used by laymen in shops, in light industry and on farms (such as catering equipment, and industrial and commercial cleaning appliances). The rated voltage of the appliances are not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

#### **prEN 16163**

Identne prEN 16163:2010

Tähtaeg 30.12.2010

#### **Conservation of cultural property - Exhibition lighting of cultural property**

This document defines the procedures as well as the means to implement good lighting, with regard to the conservation policy, but still regarding the conditions of visibility and exhibition design. It aims at providing a tool for setting up a European common policy and a guide for help curators, conservators and project managers to give to the architects and designers a correct lighting program with a European reference.

Keel en

## STANDARDITE TÕLKED KOMMENTEERIMISEL

Selles jaotises avaldame teavet eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite kohta ja inglise keelde tõlgitavate algupärase 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 01.12.2010

#### **prEVS-EN 12697-15:2003** **Asfaltsegu. Kuuma asfaltsegu** **katsemeetodid. Osa 15: Segregeeruvuse** **määramine**

Euroopa standard kirjeldab üht katsemeetodit kuuma asfaltsegu segamise kvaliteedi ning selle koostise segregeerumise tendentsi hindamiseks. See katsemeetod sobib segu projekteerimiseks ja tellija informeerimiseks.  
Identne: EN 12697-15:2003

#### **prEVS-EN 12697-36:2003** **Asfaltsegu. Kuuma asfaltsegu** **katsemeetodid. Osa 36: Asfaltkatte paksuse** **määramine**

Euroopa standard kirjeldab asfaltkatte paksuse määramise kaht meetodit. Esimene meetod käsitleb mõõtmisi, mida sooritatakse katendikihist või –konstruktsioonist täis-sügavuses välja puuritud ühel või enamal puursüdamiku peal (purustav meetod). Teise puhul rakendatakse elektromagnetilist mõõtmist (mittepurustav meetod).  
Identne: EN 12697-36:2003

#### **prEVS-EN 13164:2008** **Ehituslikud soojaisolatsioonitooted.** **Tööstuslikult valmistatud pressitud** **vahtpolüstereentooted (XPS).** **Spetsifikatsioon**

Euroopa standard esitab nõuded hoonete soojustamiseks kasutatavatele tehases valmistatud pressitud vahtpolüstereentootedele, katekihiga või ilma selleta. Tooted valmistatakse tahvlite kujul, mis on saadaval ka erineva serva- ja pinnatöötusega (sulundliide, ülekatteliide jne). Euroopa

standard kirjeldab toodete omadusi ja esitab katsetamise, vastavuse hindamise, märgistamise ja tähistamise protseduurid. Euroopa standardi käsitlusalasse kuuluvaid tooteid kasutatakse ka monteeritavate soojustussüsteemides ja liitpaneelides, kuid neid tooteid sisaldavate süsteemide toimivus ei kuulu selle standardi käsitlusalasse. Lisaks käsitletakse standardis ka mitmekihilisi soojustusplaate. Standard ei spetsifitseeri antud omaduse nõutavat taset, mille saavutamine näitaks toote sobivust konkreetseks kasutusotstarbeks. Konkreetse rakenduse puhul nõutavad tasemed on toodud õigusaktides või sobivates standardites. Tooted, mille deklareeritud soojustakistus on alla 0,25 m<sup>2</sup>K/W või mille deklareeritud soojuseri-juhtivus temperatuuril 10 °C on suurem kui 0,060 W/(mK), ei kuulu selle Euroopa standardi käsitlusalasse. Selle Euroopa standardi käsitlusalasse ei kuulu ka in situ (kasutuskohas valmistatavad) soojustustooted ega tooted, mis on ette nähtud seadmete ja tööstuspaigaldiste soojustamiseks, samuti ei käsitleta heliisolatsiooni jaoks mõeldud tooteid.

Identne: EN 13164:2008

#### **prEVS-EN 13286-2:2010** **Sidumata ja hüdrauliliselt seotud segud.** **Osa 2: Kuiva tiheduse ja veesisalduse** **laboratoorse määramise katsemeetodid.** **Proctor-teim**

Euroopa standard kehtestab Proctor-teimi kohaselt tihendatud hüdrauliliselt seotud või sidumata segude veesisalduse ja kuivtiheduse sõltuvuse määramise katsemeetodid. Procto-

teimi abil saab hinnata segu tihedust, mis on võimalik saavutada ehitusplatsidel ja annab võrdluskriteeriumi hindamaks tihendatud segukihi tihedust. Euroopa standard kehtib ainult täitematerjali sidumata ja hüdrauliliselt seotud segude kohta, mida kasutatakse teedeehitus- ja tsiviilehitustöödel. See ei kehti mullatööde pinnase puhul. Selle katsemeetodi tulemusi saab kasutada segude võrdlemise alusena enne nende kasutamist teede-ehituses. Katse tulemused võimaldavad ka hinnata veesisaldust, mille puhul saab segu ettenähtud kuivtiheduse saavutamiseks rahuldavalt tihendada. Katse on sobiv segude jaoks, mille ülemise sõela erinevad suurused (D) on kuni 63 mm jäülemõõdulisi terasid on kuni 25 % massist.

Identne: EN 13286-2:2010

#### **prEVS-EN 1906:2010**

##### **Ehitustarvikud. Ukselingid ja -nupud. Nõuded ja katsemeetodid**

Euroopa standard määratleb katsemeetodid ja nõuded ustele paigaldatud küljekatteplaatidega või rosettidega, vedruga ja vedruta ukse linkide spindli ja kinnituselementide, surunupu või sarnase seadme rakendamiseks vajalike jõumomentide, lubatava vaba lõtku ja ohutuse, vaba nurkliikumise ja eritelgsuse, vastupidavuse, staatilise tugevuse ja korrosioonikindluse kohta.

Identne: EN 1906:2010

#### **prEVS-EN 61439-2:2009**

##### **Madalpingelised aparaadikoosted. Osa 2: Jõuaparaadikoosted**

Rakendatakse osa 1 vastavat jaotist, väljaarvatud alljärgnevat Täiendus:

Standard määratleb erinõuded jõuaparaadikoostetele, mille nimipinge ei ületa 1000 V vahelduvpinge või 1500 V alalispinge korral. Standardi selles osas on läbivalt kasutatud ingliskeelse mõiste „power switchgear and controlgear assembly“ (vt 3.1.101) ja selle lühendatud variandi „PSC-ASSEMBLY“ asemel eestikeelset terminit „jõuaparaadikooste“. Standard ei kehti eri tüüpi koostete puhul, mida hõlmavad standardisarja IEC 61439 teised osad.

Identne: IEC 61439-2:2009; EN 61439-2:2009

#### **prEVS-EN ISO 3170:2004**

##### **Vedelad naftasaadused. Käsitsi proovivõtt**

Standard määratleb käsitsimeetodid proovivõtuks vedelatest ja poolvedelatest

süivesinikest, statsionaarsete mahutite mahutijääkidest ja setetest, raudteesisternidest, autotsisternidest, laevade ja pargaste mahutitest, vaadidest, kanistritest ja torujuhtmetes pumbatavatest vedelikest.

Standardit rakendatakse proovivõtul naftasaadustest, toornaftast ja vahesaadustest, mida hoitakse mahutites atmosfäärirõhul või selle lähedasel rõhul, või edastatakse torujuhtmetes, ning mis on vedelad temperatuuril vahemikus välistemperatuurist kuni temperatuurini 200 °C. Määratletud proovivõtumetoodika ei ole mõeldud proovivõtuks spetsiifilistest naftasaadustest, mida käsitlevad muud standardid, näiteks isolaatorlid (IEC 60475), veeldatud naftagaas (ISO 4257), veeldatud maagaasi (ISO 8943) ja gaasiline maagaas (ISO 10715). Standard viitab olemasolevatele proovivõtumetoditele ja kasutuses olevatele seadmetele. See ei tähenda aga uue, praeguseks kommertskasutusse mitte jõudnud varustuse välistamist eeldusel, et nimetatud varustus võimaldab võtta selle standardi nõuetele ja meetoditele vastavaid proove.

MÄRKUS Euroopa standardis kasutatakse mahuosa väljendamiseks tähist "% (V/V)", Eesti standardi märkus Eesti standardis kasutatakse mahuosa väljendamiseks tähist "mahu%".

Identne: ISO 3170:2004; EN ISO 3170:2004

#### **prEVS-EN ISO 3834-2:2006**

##### **Keevituse kvaliteedinõuded. Metallide sulakeevitus. Osa 2: Laialdased kvaliteedinõuded**

Standardi ISO 3834 see osa määrab laiendatud nõuded metalsete materjalide sulakeevituseks nii töökodades kui ka välitingimustes paigaldusteks.

Identne: ISO 3834-2:2005; EN ISO 3834-2:2005

#### **ISO/IEC TR 29138-1:2009**

##### **Infotehnoloogia. Ligipääsetavusnõuded puuetega inimeste jaoks. Osa 1: Kasutajate vajaduste kokkuvõte**

ISO/IEC TR 29138 see osa määratleb rea puuetega inimeste vajadusi, mida standardite arendajad peaks uute standardite välja-töötamisel ja olemasolevate uuendamisel arvesse võtma. Lisaks kasutajate vajaduste määratlemisele sõnastab see ISO/IEC TR 29138 osa need probleemid, millega seisavad silmitsi vastavaid IKT-lahendusi kasutavad puuetega inimesed, samuti määratleb nende

vajaduste seosed standardite loojatele vajaminevate ligipääsufaktoritega, mis on kirjeldatud eeskirjas ISO/IEC Guide 71 "Guidelines to address the needs of older persons and people with disabilities".  
Identne: ISO/IEC TR 29138-1:2009

#### **prEVS-ISO/IEC 15408-1:2010**

#### **Infotehnoloogia. Turbemeetodid. Infoturbe hindamise kriteeriumid. Osa 1: Sissejuhatus ja üldmudel**

ISO/IEC 15408 see osa kehtestab infoturbe hindamise üldmõisted ja põhimõtted ning spetsifitseerib hindamise üldmudeli, mis on esitatud standardi eri osadega ning mis tervikuna on mõeldud kasutamiseks IT-toodete turvaomaduste hindamise alusena. Esimene osa annab ülevaate standardi ISO/IEC 15408 kõigist osadest. Ta kirjeldab standardi eri osi, määratleb terminid ja lühendid, mida tuleb kasutada standardi kõigis osades, kehtestab

hindamisobjekti (TOE) tuummõiste, määratleb hindamise konteksti ja kirjeldab lugejaskonda, kellele on suunatud hindamise kriteeriumid. Antakse sissejuhatus põhilistesse turvamõistetesse, mis on vajalikud IT-toodete hindamiseks. Standard määratleb mitmesugused operatsioonid, millega saab lubatavate operatsioonide kasutamise teel kohandada funktsionaalseid ja tagatislikke komponente, mis on esitatud standardiosades ISO/IEC 15408-2 ja ISO/IEC 15408-3. On spetsifitseeritud kaitseprofiilide (PP) kesksed mõisted, turvanõuete paketid ja vastavuse teema ning on kirjeldatud hindamise tagajärgi ja tulemeid. ISO/IEC 15408 käesolev osa annab suuniseid turvasihtide (ST) spetsifitseerimiseks ja kirjeldab komponentide korraldust kogu mudeli ulatuses. Üldteavet hindamise meetodika kohta ja hindamiskeemide käsitusala määrang on standardis  
Identne: ISO/IEC 15408-1:2005

## **OKTOOBRIKUUS 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 1993-1-9:2005/AC:2009**

Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-9: Väsimusarvutus

##### **EVS 812-3:2007/AC:2010**

Ehitiste tuleohutus. Osa 3: Küttesüsteemid

Parandus on konsolideeritud standardisse: EVS 812-3:2007

##### **EVS-EN 1993-1-8:2005/AC:2009**

Eurokoodeks 3: Teraskonstruksioonide projekteerimine. Osa 1-8: Liidete projekteerimine

##### **EVS-EN 1991-1-3:2006/AC:2009**

Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 1-3: Üldkoormused. Lumekoormus

Parandus on konsolideeritud standardisse: EVS-EN 1991-1-3:2006+NA:2006

# OKTOOBRIKUUS KINNITATUD JA NOVEMBRIKUUS MÜÜGILE SAABUNUD EESTIKEELSE STANDARDID

## **EVS-EN 60446:2007**

### **Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Juhtide tuvastamine värvide, tähtede või numbritega 166.-**

Eesti standard on Euroopa standardi EN 60446:2007 „Basic and safety principles for man-machine interface, marking and identification - Identification of conductors by colours or alphanumeric” ingliskeelse teksti identne tõlge eesti keelde.

Rahvusvahelises standardis on esitatud mõningate värvide, tähtede ja numbrite kasutamise üldreeglid juhtide tuvastamiseks eesmärgiga vältida segiminekut ja tagada ohutu käit. Juhtide värv-, täht- ja numbertähised on ette nähtud rakendamiseks juhtme- ja kaablisooltel, kogumislattidel, elektriseadmetel ja elektripaigaldistes.

## **EVS-HD 60364-7-717:2010**

### **Madalpingelised elektripaigaldised. Osa 7-717: Nõuded eripaigaldistele ja -paikadele. Liikuvad ja veetavad üksused 155.-**

Eesti standard on CENELEC-i harmoneerimis-dokumendi HD 60364-7-717:2010 “Low-voltage electrical installations –Part 7-717: Requirements for special installations or locations – Mobile or transportable units” ingliskeelse teksti identne tõlge eesti keelde.

Harmoneerimisdokumendi HD 60364 selles osas sisalduvad erinõuded kehtivad liikuvate ja veetavate üksuste vahelduv- ja alalisvoolu-paigaldiste kohta.

Selles standardi osas tähendab sõna “üksus” sõidukit ja/või liikuvat või veetavat tarindit, mis sisaldab kogu elektripaigaldist või osa sellest.

Üksused on liigilt kas liikuvad (ratastel), näiteks iseliikuvad või pukseeritavad, või veetavad, näiteks konteinerid või kabiinid, mis on paigutatud alusraamile.

Näideteks on televisiooni- ja ringhäälingu-, meditsiiniteenistuse-, reklaami-, tuletõrje-, erinfotehnoloogia-, hädaabi-, toitlustus- ja muud taolised üksused.

## **EVS-HD 60364-4-43:2010**

### **Madalpingelised elektripaigaldised. Osa 4-43: Kaitseviisid. Liigvoolukaitse 188.-**

Eesti standard on CENELEC-i harmoneerimis-dokumendi HD 60364-4-43:2010 “Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent” ingliskeelse teksti identne tõlge eesti keelde.

HD 60364 selles osas on esitatud nõuded pinge all olevate juhtide kaitse kohta liigvoolude toime eest.

Standard kirjeldab, kuidas pingestatud juhid on kaitstud ühe või enama toite automaatse katkestuse aparaadiga liigkoormuse (jaotis 433) ja lühise (jaotis 434) korral, väljaarvatult juhtudel, mil liigvool on piiratud vastavalt jaotisele 436 või kui lähtutakse tingimustest, mis on esitatud jaotistes 433.3 (loobumine liigkoormuskaitseaparaatidest) või 434.3 (loobumine lühisekaitseaparaatidest). Arvestatakse ka liigkoormus- ja lühisvoolu-kaitse koordineerimist (jaotis 435).

MÄRKUS 1 Pingestatud juhid, mis on kaitstud liigkoormuse eest vastavalt jaotisele 433, loetakse kaitstuks ka rikete eest, mis võiksid põhjustada liigkoormusvooluga samasuursi liigvoolusid.

MÄRKUS 2 Standardi nõuded ei võta arvesse välistoimeid.

MÄRKUS 3 Juhtide kaitse vastavalt käesolevale standardile ei pruugi kaitsta nende juhtidega ühendatud seadmeid.

MÄRKUS 4 Paindkaablid ja -juhtmed, mis on ühendatud kohtkindla paigaldisega pistik-ühenduste kaudu, ei kuulu selle standardi käsitlusalasse ega pruugi seetõttu osutada kaitstuks liigvoolu eest.

MÄRKUS 5 Standardis ei tähenda lahutamine kaitselahutamist.

## **EVS-EN 1090-3:2008**

### **Teraskonstruktsioonide ja alumiiniumkonstruktsioonide valmistamine. Osa 3: Tehnilised nõuded alumiiniumkonstruktsioonidele 336.-**

Eesti standard on Euroopa standardi EN 1090-3:2008 “Execution of steel structures and aluminium structures - Part 3: Technical



requirements for aluminium structures” ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard kehtestab valmistamisnõuded alumiiniumist tarinduselementide ja konstruktsioonide kohta, mis on tehtud:

- a) valtsitud lehtedest, ribadest ja plaatidest;
- b) väljapressimise (ekstrudeerimise) teel;
- c) külmtõmmatud varrastest, varbadest ja torudest;
- d) stantsimise teel;
- e) valanditest.

**MÄRKUS 1** Vastavalt standardile EN 1090-1 nimetatakse tarinduskomponentide valmistamist tootmiseks.

Euroopa standard määratleb nõuded sõltumata alumiiniumkonstruktsiooni tüübist ja kujust ning on rakendatav nii valdavalt staatiliste koormustega kui ka väsimusele allutatud konstruktsioonidele.

See määratleb nõuded ehitusklassidele, mis on seotud tähtsusklassidega.

**MÄRKUS 2** Tähtsusklassid on defineeritud EN 1990-s.

**MÄRKUS 3** Soovitused ehitusklassi valikuks olenevalt tähtsusklassist on antud EN 1999-1-1-s.

Euroopa standard katab tarinduselemente paksusega mitte alla 0,6 mm, keevitatud elemente paksusega mitte alla 1,5 mm. Euroopa standard rakendub konstruktsioonidele, mis on projekteeritud vastavalt EN 1999 asjakohastele osadele. Kui seda Euroopa standardit kasutatakse konstruktsioonide puhul, mis vastavad muudele projekteerimisreeglitele või seda kasutatakse EN 1999-ga katmata muude sulamite ja termilise töötamise jaoks, tuleks õiguspärastada vastavate projekteerimisreeglite usaldusvärsust.

Euroopa standard kehtestab pinna ettevalmistamisele eelnevad nõuded kaitsetöötamise rakendamiseks ning annab juhised sellise töötamise rakendamiseks teatmelislas.

Euroopa standard annab variante nende nõuete täpsustamiseks, et olla vastavuses projekti spetsiifiliste nõuetega. Euroopa standard on rakendatav ka ajutistele alumiiniumkonstruktsioonidele.

#### **EVS 860-1:2010**

**Tehniliste paigaldiste termiline isoleerimine.**

**Osa 1: Torustikud, mahutid ja seadmed.**

**Isolatsioonimaterjalid ja –elemendid 124.-**

Eesti standard on standardi EVS 860-1:2008 uustöötlus. Standard on koostatud Soome standardi SFS 3976:2006 “Putki-, säiliö- ja laite-eristykset. Eristeet ja eristuselementit” põhjal.

Standard on osa “Tehniliste paigaldiste termilise isoleerimise” standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele.

Standard käsitleb vajalikku põhiinformatsiooni tehniliste paigaldiste termilise isoleerimise projekteerimiseks ja paigaldamiseks.

#### **EVS 860:2010**

**Tehniliste paigaldiste termiline isoleerimine.**

**Torustikud, mahutid ja seadmed.**

**Soojusisolatsiooni teostus 243.-**

Eesti standard on standardi EVS 860:2006 uustöötlus.

Standard on koostatud Soome standardite SFS 3975:1996 “Teollisuuseristykset. Putki-, säiliö- ja laite-eristykset. Käsitteet ja määritelmat” ja SFS 3978:2009 “Putki-, säiliö- ja laite-eristykset. Lämpöeristystyön suoritus” põhjal.

Standard kirjeldab sellist torude, mahutite ja seadmete soojusisoleerimist, kus isolatsioonimaterjalina kasutatakse mineraalvilla ja katematerjalina lehtmatali. Sobivuse korral võib käesolevat standardit kasutada ka muudel isolatsioonitöödel.

#### **EVS 860-6:2010**

**Tehniliste paigaldiste termiline isoleerimine.**

**Osa 6: Torustikud, mahutid ja seadmed.**

**Külmaisolatsioon 166.-**

Eesti standard on standardi EVS 860-6:2008 uustöötlus. Standard on koostatud Soome standardi SFS 4967:1995 “Putki-, säiliö- ja laite-eristykset. Kylmäeristys” põhjal.

See standard on osa “Tehniliste paigaldiste termilise isoleerimise” standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele, kuid ka isolatsioonitööde tellijatele. Standard käsitleb olulisemaid faktoreid, mida tuleb järgida tehniliste paigaldiste külmaisolatsiooni projekteerimisel, teostamisel ja materjalide valikul.

#### **EVS-EN 1317-5:2007+A1:2008**

**Teepiirdesüsteemid. Osa 5:**

**Sõidukiirdesüsteemide toodetele esitatavad nõuded ja vastavushindamine 209.-**

Eesti standard on Euroopa standardi EN 1317-5:2007+A1:2008 “Road restraint systems -

Part 5: Product requirements and evaluation of conformity for vehicle restraint systems” ingliskeelse teksti identne tõlge eesti keelde. Euroopa standard sätestab nõuded järgmiste sõidukiipiirdesüsteemide vastavuse hindamiseks:

- a) pörkepiirded;
- b) pörkeleevendid;
- c) terminalid (jõustub pärast ENV 1317-4 vastuvõtmist EN standardina);
- d) üleminekud (jõustub pärast ENV 1317-4 vastuvõtmist EN standardina);
- e) sõiduki-/jalakäijapiirded (üksnes sõidukiipiirdesüsteemide funktsioone täitvad).

See dokument ei käsitle nõudeid jalakäijate rinnatistele. Dokument sisaldab nõudeid ilmastikukindluse hindamiseks. Dokument ei sisalda muid vastupidavusnõudeid (nt merekeskkonnas, liivast põhjustatud hõõrdumine). Ajutised piirded ei kuulu selle dokumendi käsitlusalaselle.

#### **EVS-EN 1856-1:2009**

##### **Korstnad. Nõuded metallkorstendele. Osa 1: Korstnasüsteemi tooted 271.-**

Eesti standard on Euroopa standardi EN 1856-1:2009 “Chimneys - Requirements for metal chimneys - Part 1: System chimney products” konsolideeritud ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määrab ära toimivuse nõuded jäiga metallist sisetoruga ühe- ja mitmeseinalistele korstnasüsteemi toodetele (korstnamoodulid, korstna tarvikud ja väljundavad, kaasa arvatud toelemendid) nimiläbimõõduga kuni ja kaasa arvatud 1200 mm, mida kasutatakse põlemissaaduste väljaviiamiseks kütteseadmetest väliskeskkonda.

Samuti määrab see nõuded märgistamisele, tootjapoolsetele instruktsioonidele, tooteinformatsioonile ja vastavushindamisele. Antud standardi alla mittekuuluvad metallist sisetorud ja metallist suitsulõõri ühendustorud on kaetud standardiga EN 1856-2:2009.

Euroopa standard ei kohaldu konstruktsioonilt sõltumatutele (eraldiseisvad või isetoestuvad) korstendele.

#### **EVS-EN 1367-6:2008**

##### **Täitematerjalide soojuslike omaduste ja ilmastikukindluse määramine. Osa 6: Külmakindluse määramine soolalahuses (NaCl) 105.-**

Eesti standard on Euroopa standardi EN 1367-6:2008 “Tests for thermal and weathering properties of aggregates - Part 6: Determination of resistance to freezing and thawing in the presence of salt (NaCl)” ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määratleb külmutamise ja sulatamise tsüklilisele toimele allutatud täitematerjali külmakindluse hindamise meetodi deioniseeritud või destilleeritud vees lahustatud 1% NaCl lahusega.

Selle katse tulemused pakuvad võimaluse täitematerjali ilmastikukindluse hindamiseks piirkondades, kus võivad aset leida sagedased külmumise-sulamise tsüklid koos merevee toimega või tugev jäätumisvastaste soolade toime ja kus standardi EN 1367-1 kohane katse ei kirjelda korrektselt täitematerjali toimivust ekstreemsetes tingimustes.

Euroopa standard esitab võimaluse nõutud lähtetemperatuuri saavutamiseks sulamistsükli kas immutamisega vees või õhu-tsirkulatsiooniga külmutuskappi kasutades.

See katse on sobiv jämetäitematerjalide või fraktsioneerimata materjalide jämetäitematerjali fraktsioonide puhul.

Katse ei sobi standardile EN 13055 vastavate kergtäitematerjalide puhul, samuti täitematerjalide puhul, mis ei sobi kuivatamiseks kuivatuskapis temperatuuril 110 °C.

#### **EVS 903:2010**

##### **Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001:2008 rakendamiseks kohalikus omavalitsuses 256.-**

Eesti standard on standardi EVS 903:2008 uustõtlus. Standard on rahvusvahelise standardimisorganisatsiooni ISO töörühma kokkuleppe IWA 4:2009 “Quality management systems – Guidelines for the application of ISO 9001:2008 in local government” tõlge inglise keelest eesti keelde.

Standardi eesmärgiks on anda kohalikele omavalitsustele juhiseid terviklikel alustel ISO 9001:2008 vabatahtliku rakendamise tarvis. Need juhised ei lisa, muuda ega teisenda ISO 9001:2008 nõudeid.

Et kohalikku omavalitsust peetaks usaldusväärseks, peaks ta garanteerima kodanikele vajalike teenuste järjekindlaks ja usaldusväärseks pakkumiseks vajalike protsesside usaldusväärse minimaalsed tingimused. Kõik kohaliku omavalitsuse protsessid, sh juhtimis-, põhi-, toimimis- ja tugiprotsessid (vt 3.6) peaksid moodustama

ühe tervikliku kvaliteedijuhtimissüsteemi. Selle süsteemi terviklik iseloom on oluline seetõttu, et vastasel korral võib juhtuda, et kuigi kohalik omavalitsus võib olla usaldusväärne mõnes tegevusvaldkonnas, võib ta teistes osutada ebausaldusväärseks. Et kohalikku omavalitsust peetaks usaldusväärseks, peaks ta garanteerima kõikidele võtmeprotsessidele ja teenustele usaldusväärseuse minimaalsete tingimuste olemasolu. Selle saavutamiseks on soovitatav, et kohalik omavalitsus määraks üheselt kindlaks juhtimis-, põhi- ja tugiprotsessid, mis koos muudavad organisatsiooni usaldusväärseks. Kõik selle standardi nõuded on üldised ja on ette nähtud kõigis organisatsioonides rakendamiseks, olenemata nende tüübist, suurusest ja väljalastavast toodangust. Kui selle rahvusvahelise standardi mingeid nõudeid ei ole võimalik rakendada organisatsiooni ja selle toodete olemuse tõttu, võib kaaluda nende nõuete väljajätmist.

## **EVS-EN 13791:2007**

### **Betooni survetugevuse hindamine konstruktsioonides ja valmistooidetes 188.-**

Euroopa standard: esitab meetodid ja menetlused konstruktsioonide ja valmistooidete ehitisebetooni survetugevuse hindamiseks; esitab põhimõtted ja juhised kaudsete meetoditega saadud katsetulemuste ja ehitisest võetud puursüdami kega määratud tugevuste vahelise seose määramiseks; esitab juhised konstruktsioonide või valmistooidete ehitisebetooni survetugevuse hindamiseks kaudsete või kombineeritud meetoditega. Standard ei laiene järgmistele juhtudele: kaudsete meetodite kasutamine juhul, kui korrelatsiooni puursüdami ke tugevusega ei ole määratud; hindamine < 50 mm läbimõõduga puursüdami ke põhjal; hindamine vähem kui kolme puursüdami ke põhjal; mikropuursüdami ke kasutamine. **MÄRKUS** Nimetatud juhtudel rakenduvad kasutuskohas kehtivad eeskirjad. Standard ei ole kasutatav betooni survetugevuse hindamiseks vastavalt standardile EN 206-1 või EN 13369, välja arvatud standardi EN 206-1:2000 jaotistes 5.5.1.2 või 8.4 osundatud juhud.

## **OKTOOBRIKUUS MUUDETUD STANDARDITE PEALKIRJAD**

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.

Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest [enquiry@evs.ee](mailto:enquiry@evs.ee)

### **Eesti standardite eestikeelsete pealkirjade muutmine:**

<b>Standardi tähis</b>	<b>Muudetav pealkiri (et)</b>	<b>UUS pealkiri (et)</b>
EVS-EN 1317-5:2007 +A1:2008	Teepiirdesüsteemid. Osa 5: Toodetele esitatavad nõuded ja sõidukite turvasüsteemide vastavushindamine	Teepiirdesüsteemid. Osa 5: Sõidukipiirdesüsteemide toodetele esitatavad nõuded ja vastavushindamine
EVS-EN 60446:2007	Inimese-masina liidese pea- ja ohutuspeähimõtted, märgistus ja identifitseerimine. Juhtide identifitseerimine värvide või numbritega	Inimese-masina-liidese üld- ja ohutuspeähimõtted, märgistus ja tuvastamine. Juhtide tuvastamine värvide, tähtede või numbritega
EVS-EN 1856-1:2009	Korstnad. Nõuded metallist korstnatele. Osa 1: Moodulkorstna tooted	Korstnad. Nõuded metallkorstnatele. Osa 1: Korstnasüsteemi tooted

EVS-EN 13715:2006	Raudteealased rakendused. Rattapaarid ja veermikud. Rattad. Keermestuse profiil	Raudteealased rakendused. Rattapaarid ja veermikud. Rattad. Rataste veerepind
EVS-EN ISO 17635:2010	Keevisõmbluste mittepurustav kontrollimine. Üldjuhised metalsete materjalide kohta	Keevisõmbluste mittepurustav katsetamine. Üldjuhised metalsete materjalide kohta

**Eesti standardite ingliskeelsete pealkirjade muutmine:**

Standardi tähis	Muudetav pealkiri (en)	UUS pealkiri (en)
EVS-EN ISO 17635:2010	Non-destructive examination of welds - General rules for metallic materials	Non-destructive testing of welds - General rules for metallic materials

**Eesti standardite ingliskeelsete pealkirjade tõlkimine eesti keelde:**

Standardi tähis	Standardi pealkiri (en)	Standardi pealkiri (et)
EVS-EN 15852:2010	Ambient air quality - Standard method for the determination of total gaseous mercury	Välisõhu kvaliteet. Standardmeetod summaarse gaasilise elavhõbeda määramiseks
EVS-EN 15853:2010	Ambient air quality - Standard method for the determination of mercury deposition	Välisõhu kvaliteet. Standardmeetod sadestunud elavhõbeda määramiseks

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