

# EVS TEATAJA

Ilmub üks kord kuus alates 1993. aastast

01/2009

Harmoneeritud standardid



WTO teatised



Uued Eesti standardid



Eesti keeles müügil



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## HARMONEERITUKS TUNNISTATUD STANDARDID

*Tehnilise normi ja standardi seaduse* kohaselt avaldab Eesti Standardikeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standarditest. Harmoneeritud (ühtlustatud) standardiks nimetatakse EÜ direktiivide kontekstis Euroopa Komisjoni mandaadi alusel Euroopa standardimisorganisatsioonide poolt koostatud ja avaldatud standardit. Kui harmoneeritud standardi kohta on avaldatud teade (viide) Euroopa Liidu Teatajas (*Official Journal*) ja see on vastu võetud vähemalt ühe Euroopa Liidu liikmesriigi rahvusliku standardina, kui õigusaktist ei tulene teisiti, siis eeldatakse, et sellist standardit järgiv toode või teenus vastab asjakohasele tehnilisele normile. Harmoneeritud standardite kasutamine on kõige lihtsam viis tõendada direktiivide oluliste nõuete täitmist.

Lisainfo:

<http://www.newapproach.org/>

<http://ec.europa.eu/enterprise/newapproach/standardization/harmstds>

Seekord on avaldatud **meditsiiniseadmete, meditsiiniliste in vitro diagnostikavahendite ja aktiivsete siirdatavate meditsiinivahendite** direktiivide kontekstis harmoneerituks tunnistatud uute (harmoneeritud) standardite loetelu (ilmunud novembri 2008 Euroopa Liidu Teataja C-seerias).

Kõik seekord avaldatud standardid on üle võetud Eesti standarditeks

### NÕUKOGU DIREKTIIV 93/42/EMÜ Meditsiiniseadmed

(2008/C 304/06)

27.11.2008

Standardi tähis ja pealkiri (viitedokument)	Viide asendatud standardile	Asendatud standardi vastavuseelduse lõppkuupäev (Märkus 1)
EN 60601-1:2006 Elektrilised meditsiiniseadmed. Osa 1-10: Üldnõuded esmasemale ohutusele ja olulistele toimivusnäitajatele. Kollateraalsandard: Nõuded füsioloogiliste suletud ahelaga kontrollrite arendamisele / <i>Medical electrical equipment -- Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed- loop controllers</i>	EN 60601-1:1990 ja selle muudatused Märkus 2.1	-
EN 60601-1-2:2007 Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasemale ohutusele ja seadmeomasele toimivusele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused / <i>Medical electrical equipment -- Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests</i>	EN 60601-1-2:2001 ja selle muudatus Märkus 2.1	-

EN 60601-1-3:2008 Elektrilised meditsiiniseadmed. Osa 1-3: Üldnõuded esmasele ohutusele ja olulistele toimivusnäitajatele. Kollateraalsandard: Kiirguskaitse üldnõuded röntgendiagnostikaseadmetele / <i>Medical electrical equipment -- Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment</i>	EN 60601-1-3:1994 Märkus 2.1	-
EN 60601-1-6:2007 Elektrilised meditsiiniseadmed. Osa 1-6: Üldnõuded esmasele ohutusele ja seadmeomasele toimivusele. Kollateraalsandard: Kasutatavus / <i>Medical electrical equipment -- Part 1-6: General requirements for basic safety and essential performance - Collateral Standard: Usability</i>	EN 60601-1-6:2004 Märkus 2.1	-
EN 60601-1-8:2007 Elektrilised meditsiiniseadmed. Osa 1-8: Üldnõuded esmasele ohutusele ja seadmeomasele toimivusele. Kollateraalsandard: Elektrilistes meditsiiniseadmetes ja -süsteemides kasutatavatele häiresüsteemidele esitatavad üldnõuded, katsetamine ja juhised / <i>Medical electrical equipment -- Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems</i>	EN 60601-1-8:2004 ja selle muudatus	-
EN 60601-1-10:2008 Elektrilised meditsiiniseadmed. Osa 1-10: Üldnõuded esmasele ohutusele ja olulistele toimivusnäitajatele. Kollateraalsandard: Nõuded füsioloogiliste suletud ahelaga kontrollrite arendamisele / <i>Medical electrical equipment -- Part 1-10: General requirements for basic safety and essential performance - Collateral Standard: Requirements for the development of physiologic closed-loop controllers</i>	-	-
EN 60601-2-2:2007 Elektrilised meditsiiniseadmed. Osa 2: Erinõuded kõrgsageduse kirurgiliste instrumentide ohutusele / <i>Medical electrical equipment -- Part 2-2: Particular requirements for basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories</i>	EN 60601-2-2:2000 Märkus 2.1	1.10.2009
EN 60601-2-12:2006 Elektrilised meditsiiniseadmed. Osa 2-12: Erinõuded kopsuventilaatoritele. Intensiivraviventilaatorid / <i>Medical electrical equipment Part 2-12: Particular requirements for the safety of lung ventilators – Critical care ventilators</i>	-	-
EN 60601-2-13:2006 Elektrilised meditsiiniseadmed. Osa 2-13: Erinõuded anesteiasüsteemide ohutusele ja olulisele toimivusele / <i>Medical electrical equipment Part 2-13: Particular requirements for the safety and essential performance of anaesthetic systems</i>	- Märkus 2.3	-
EN 60601-2-13:2006/A1:2007 Elektrilised meditsiiniseadmed. Osa 2-13: Erinõuded anesteiasüsteemide ohutusele ja olulisele toimivusele / <i>Medical electrical equipment Part 2-13: Particular requirements for the safety and essential performance of anaesthetic systems</i>	Märkus 3	1.3.2010

EN 60601-2-33:2002/A1:2008 Elektrilised meditsiiniseadmed. Osa 2-33: Erinõuded magnetresonantsseadmetiku ohutusele, meditsiinilise diagnoosi jaoks / <i>Medical electrical equipment - Part 2-33: Particular requirements for the safety of magnetic resonance equipment for medical diagnosis</i>	Märkus 3	1.2.2011
EN 60601-2-37:2008 Elektrilised meditsiiniseadmed. Osa 2-37: Erinõuded ultraheli meditsiinilise diagnostika- ja seireseadmete esmasele ohutusele ja olulistele toimivusnäitajatele / <i>Medical electrical equipment -- Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment</i>	EN 60601-2-37:2001 ja selle muudatused Märkus 2.1	1.10.2010
EN 60601-2-39:2008 Elektrilised meditsiiniseadmed. Osa 2-39: Erinõuded kõhukelmedialüüsideadmete esmasele ohutusele ja olulistele toimivusnäitajatele / <i>Medical electrical equipment -- Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment</i>	EN 60601-2-39:1999 Märkus 2.1	1.3.2011
EN 60645-3:2007 Elektroakustika. Audiomeetriaseadmed. Osa 3: Lühikese kestusega katsesignaalid / <i>Electroacoustics - Audiometric equipment -- Part 3: Test signals of short duration</i>	EN 60645-3:1995 Märkus 2.1	1.6.2010
61217:1996/A2:2008 Röntgeniteraapia aparatuur. Koordinaadid, mehhanismid ja astmikud / <i>Radiotherapy equipment - Coordinates, movements and scales / Radiotherapy equipment - Coordinates, movements and scales</i>	Märkus 3	1.2.2011
EN 62220-1-2:2007 Meditsiinilised elektriseadmed. Digitaalröntgenseadmete omadused. Osa 1-2: Avastamise hulkefektiivsuse määramine. Mammograafias kasutatavad detektorid / <i>Medical electrical equipment - Characteristics of digital X-ray imaging devices -- Part 1-2: Determination of the detective quantum efficiency - Detectors used in mammography</i>	-	-
EN 62304:2006 Meditsiiniseadmete tarkvara. Tarkvara elutsükli protsessid / <i>Medical device software - Software life-cycle processes</i>	-	-
EN 62366:2008 Meditsiiniseadmed. Meditsiiniseadmete kasutussobivuse rakendamine / <i>Medical devices – Application of usability engineering to medical devices</i>	-	-

**NÕUKOGU DIREKTIIV 98/79/EÜ**  
**Meditsiinilised in vitro diagnostikavahendid**  
(2008/C 304/05)  
27.11.2008

Standardi tähis ja pealkiri (viitedokument)	Viide asendatud standardile	Asendatud standardi vastavuseelduse lõpp- kuupäev (Märkus 1)
EN 61326-2-6:2006 Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. Meditsiiniseadmete diagnostika in vitro / <i>Electrical equipment for measurement, control and laboratory use – EMC requirements Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment</i>	-	-
EN 62304:2006 Meditsiiniseadmete tarkvara. Tarkvara elutsükli protsessid / <i>Medical device software - Software life- cycle processes</i>	-	-
EN 62366:2008 Meditsiiniseadmed. Meditsiiniseadmete kasutussobivuse rakendamine / <i>Medical devices – Application of usability engineering to medical devices</i>	-	-

**NÕUKOGU DIREKTIIV 90/385/EMÜ**  
**Aktiivsed siirdatavad meditsiiniseadmed**  
(2008/C 304/04)  
27.11.2008

Standardi tähis ja pealkiri (viitedokument)	Viide asendatud standardile	Asendatud standardi vastavuseelduse lõpp- kuupäev (Märkus 1)
EN 45502-2-2:2008 Aktiivsed implanteeritavad meditsiiniseadmed. Osa 2-2: Erinõuded tahhüarütmia raviks mõeldud aktiivsetele siirdatavatele meditsiiniseadmetele (sealhulgas siirdatavatele defibrillaatoritele) / <i>Active implantable medical devices -- Part 2-2: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (includes implantable defibrillators)</i>	-	-
EN 60601-1:2006 Elektrilised meditsiiniseadmed. Osa 1: Üldnõuded esmasemale ohutusele ja olulistele toimivusnäitajatele / <i>Medical electrical equipment - Part 1: General requirements for basic safety and essential performance</i>	EN 60601-1:1990 ja selle muudatused Märkus 2.1	-
EN 62304:2006 Meditsiiniseadmete tarkvara. Tarkvara elutsükli protsessid / <i>Medical device software - Software life- cycle processes</i>	-	-

**Märkus 1:**

Üldiselt on vastavuseelduse lõppemise kuupäevaks Euroopa standardiorganisatsiooni poolt määratud kehtetuks tunnistamise kuupäev („dow”), kuid selliste standardite kasutajate tähelepanu juhitakse asjaolule, et teatud erandjuhtudel võib see olla teisiti.

Märkus 2.1:

uus (või muudetud) standard on sama käsitluselaga kui asendatav standard. Määratud kuupäevast alates ei anna asendatav standard vastavuseeldust direktiivi olulistele nõuetele.

Märkus 3:

muudatuste puhul on viidatud standardiks EN CCCCC:YYYY, selle varasemad muudatused, kui neid on, ja uus viidatud muudatus. Asendatav standard (2. veerg) sisaldab seetõttu standardit EN CCCCC:YYYY ja standardi eelmisi muudatusi, kui need on olemas, ilma uue viidatud muudatuseta. Määratud kuupäevast alates ei anna asendatav standard vastavuseeldust direktiivi olulistele nõuetele.

## WTO SEKRETARIAADILT SAABUNUD TEATISED

Maailma Kaubandusorganisatsiooni WTO sekretariaadilt saabunud õigusaktide eelnõud, milles sisalduvad tehnilised normid võivad saada kaubanduse tehnilisteks tõketeks. Eelnõude kohta on võimalik esitada kommentaare 2 nädalat enne tabelis toodud kuupäeva Majandus- ja Kommunikatsiooniministeeriumi Karl Stern (karl.stern@mkm.ee). Eelnõude terviktekstid ja info EVS Teabekeskest Signe Ruut tel 605 5062, faks 605 5063, enquiry@evs.ee.

## WTO SEKRETARIAADILT SAABUNUD SPS TEATISED

NUMBER & ESITAMIS-KUUPÄEV	RIIK	MÕJUTATAV PIIRKOND/RIIK	TOODE	EESMÄRK	KOMMENTAARIDE ESITAMISE VIIMANE KUUPÄEV
G/SPS/N/NIC/48 25. november 2008	NICARAGUA	kaubandus-partnerid	akvakultuur-organismid	inimeste kaitsmine looma-/taimehaiguste või kahjurite eest	60 päeva
G/SPS/N/BRA/505 2. detsember 2008	BRASIILIA	kõik kaubandus-partnerid	pestitsiidid melonil	toiduohutus/inimeste kaitsmine looma-/taimehaiguste või kahjurite eest	-
G/SPS/N/ARM/24 3. detsember 2008	ARMEENIA	kõik kaubandus-partnerid	taimekaitsemeetmed	taimekaitse	-
G/SPS/N/BRA/501 3. detsember 2008	BRASIILIA	kõik kaubandus-partnerid	pestitsiidid puvillaseemnetes, maguspiiral ja baklažaanis	toiduohutus/inimeste kaitsmine looma-/taimehaiguste või kahjurite eest	jaanuar 2009

G/SPS/N/BRA/502 3. detsember 2008	BRASIILIA	kõik kaubandus- partnerid	munad (HS: 040700)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/BRA/503 3. detsember 2008	BRASIILIA	kõik kaubandus- partnerid	sportlastele mõeldud toidud	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	14. jaanuar 2009
G/SPS/N/BRA/504 3. detsember 2008	BRASIILIA	kõik kaubandus- partnerid	pestitsiidid melonil	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/BRA/ 506 - 508 3. detsember 2008	BRASIILIA	kõik kaubandus- partnerid	pestitsiidid lehtsalatil, kohvis, odras, ubades, nibus ja suhkruroos	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/BRA/509 3. detsember 2008	BRASIILIA	kõik kaubandus- partnerid	pestitsiidid sojaubadel	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/CAN/358 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid dimetenamiid pähklites(l) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/359 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid dimetenamiid ubades(l) (ICS: 65.020, 65.100, 67.060)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009



G/SPS/N/CAN/360 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid fluasinaam kartulites(1) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/361 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid imidaklopriid marjades(1) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/362 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid fenamidoon mugul- kõögiviljades(1) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/363 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid trifloksüstrobiin marjades(1) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/364 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid setoksüdiim lupiinides(1) (ICS: 65.020, 65.100, 67.060)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/365 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid metalaksüül juurviljades(1), välja arvatud suhkrupeet (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	4. veebruar 2009
G/SPS/N/CAN/366 3. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid tsüromasiin erinevates lehtkõögiviljades (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009
G/SPS/N/ECU/79 3. detsember 2008	ECUADOR	kõik riigid	taimed ja taimetooted	taimekaitse	-

G/SPS/N/NZL/414 3. detsember 2008	UUS MEREMAA	Austraalia	hobused	loomatervis	-
G/SPS/N/PRY/22 3. detsember 2008	PARAGUAY	kõik riigid	agrokemikaalid	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/THA/174 3. detsember 2008	TAI	kõik kaubandus- partnerid	kiiritatud toit (ICS: 67.160.10)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	1. veebruar 2009
G/SPS/N/CAN/367 4. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid tepraloksüdiim canolas(l) (ICS: 65.020, 65.100, 67.200)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009
G/SPS/N/CAN/368 4. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid imidaklopriid ženšennis(l), nektariinides(l), virsikutes(l) ja kartulis(l) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009
G/SPS/N/CAN/369 4. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid flucarbazone- sodium loomsetes saadustes(l) (ICS: 65.020, 65.100, 67.100, 67.120)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009
G/SPS/N/CAN/370 4. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid tsüatsofamiid kõrvitsalistes(l) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009
G/SPS/N/CAN/371 4. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid tiametoksaam kartulis(l) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009

G/SPS/N/CRI/69 5. detsember 2008	COSTA RICA	kõik kaubandus- partnerid	veterinaaravimid	toiduohutus/ loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	2. veebruar 2009
G/SPS/N/ECU/80 5. detsember 2008	ECUADOR	-	papaia	taimekaitse/ loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest/ territooriumi kaitsmine kahjurite eest	-
G/SPS/N/ECU/81 5. detsember 2008	ECUADOR	Tšiili	sealiha	loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/JPN/220 5. detsember 2008	JAAPAN	kõik kaubandus- partnerid	toidu lisaained (2,3- dimetüül- pürasiin, 2,5- dimetüülpürasiin, ja 2,6- dimetüülpürasiin)	loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	3. veebruar 2009
G/SPS/N/JPN/221 5. detsember 2008	JAAPAN	kõik kaubandus- partnerid	toidu lisaained (naatriumfosfaat tähts)	loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	3. veebruar 2009
G/SPS/N/IDN/39 8. detsember 2008	INDONEESIA	kõik kaubandus- partnerid	eluskala	loomatervis	-
G/SPS/N/KOR/306 9. detsember 2008	KOREA VABARIIK	kõik kaubandus- partnerid	jäneseliha	loomatervis	-
G/SPS/N/NZL/415 9. detsember 2008	UUS MEREMAA	kõik kaubandus- partnerid	erinevad taimsest materjalist tooted	taimekaitse	7. veebruar

G/SPS/N/ALB/95 10. detsember 2008	ALBAANIA	Nizhegorodskaya oblast (Venemaa)	sead (kodu- ja mets)	toiduohutus/ loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/ALB/96 10. detsember 2008	ALBAANIA	Sisacko-Moslavacka piirkond (Horvaatia)	sead (kodu- ja mets)	toiduohutus/ loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/JPN/222 10. detsember 2008	JAAPAN	kõik kaubandus- partnerid	destomütsiin A ja <i>Bacillus cereus</i>	toiduohutus/ loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	8. veebruar 2009
G/SPS/N/TPKM/146 10. detsember 2008	TAIWANI, PENGHU, KINMENI JA MATSU ERALDI TOLLI- TERRITOOORIUM	kõik kaubandus- partnerid	puu- ja juurvili, riis ja tee	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	9. veebruar 2009
G/SPS/N/UKR/1 10. detsember 2008	UKRAINA	kõik kaubandus- partnerid	veterinaarravimid	toiduohutus/ loomatervis/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/USA/1889 11. detsember 2008	USA	kõik kaubandus- partnerid	lutsern	toiduohutus/ taimekaitse/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-

G/SPS/N/BRA/510 12. detsember 2008	BRASIILIA	kõik kaubandus- partnerid	melon HS: 080710 ( <i>Cucumis melo</i> ), arbuus HS: 080711 ( <i>Citrullus lanatus</i> ), kõrvits HS: 070990 ( <i>Cucurbita spp.</i> ) ja kurk HS:070700 ( <i>Cucumis sativus</i> )	taimekaitse/ territooriumi kaitsmine kahjurite eest	-
G/SPS/N/SGP/36 15. detsember 2008	SINGAPUR	Iirimaa	sealiha ja sealihatooted (HS: 2, 5, 15, 16, 19 ja 21)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/CAN/372 16. detsember 2008	KANADA	kõik kaubandus- partnerid	pestitsiid lambda- tsühalotriin luuviljalistes(1) (ICS: 65.020, 65.100, 67.080)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	18. veebruar 2009
G/SPS/N/KOR/307 17. detsember 2008	KOREA VABARIIK	kõik kaubandus- partnerid	lastetoidu reklaam	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	15. veebruar 2009
G/SPS/N/CAN/374 22. detsember 2008	KANADA	kõik kaubandus- partnerid	peet (ICS; 67.080, 67.220)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	26. veebruar 2009
G/SPS/N/KOR/308 22. detsember 2008	KOREA VABARIIK	kõik kaubandus- partnerid	toit, toidu lisaained, toidu pakendamise seadmed, toidunõud	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	20. veebruar 2009

G/SPS/N/USA/1890 22. detsember 2008	USA	kõik kaubandus- partnerid	liha ja lihatooted	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
G/SPS/N/CAN/373 23. detsember 2008	KANADA	kõik kaubandus- partnerid	pirni-, ananassi-, õuna- ja tomatikonservid, (ICS: 67.080, 67.220)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	26. veebruar 2009
G/SPS/N/TPKM/147 23. detsember 2008	TAIWANI, PENGHU, KINMENI JA MATSU ERALDI TOLLI- TERRITOORIUM	kõik kaubandus- partnerid	toidu lisaained	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	21. veebruar 2009
G/SPS/N/USA/ 1891, 1892 23. detsember 2008	USA	kõik kaubandus- partnerid	erinevad tooted	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	17. märts 2009
G/SPS/N/AUS/228 24. detsember 2008	AUSTRALIA	kõik kaubandus- partnerid	linnuliha	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	6. veebruar 2009
G/SPS/N/EEC/338 24. detsember 2008	EUROOPA ÜHENDUSED	kõik kaubandus- partnerid	toidu lisaained (ICS: 67.220.20)	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	22. veebruar 2009
G/SPS/N/EEC/339 24. detsember 2008	EUROOPA ÜHENDUSED	Hiina	soja või sojatooteid sisaldada võivad lastetoidud	toiduohutus/ inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	22. veebruar 2009

G/SPS/N/NLD/69 24. detsember 2008	HOLLAND	Hiina	dekoratiivtaim Sanderi draakonipuu ehk õnnepambus (Dracaena sanderiana)	inimeste kaitsmine looma- /taime- haiguste või kahjurite eest	-
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### WTO SEKRETARIAADILT SAABUNUD TBT TEATISED

NUMBER & ESITAMIS- KUUPÄEV	RIIK	TOODE/KAUP/ TEENUS	EESMÄRK	KOMMEN- TAARIDE ESITAMISE VIIMANE KUUPÄEV
G/TBT/N/NIC/98 24. november 2008	NICARAGUA	mootorid	tarbijakaitse	60 päeva
G/TBT/N/NIC/ 99, 100 24. november 2008	NICARAGUA	luminofoorlambid	tarbijakaitse	60 päeva
G/TBT/N/NIC/ 103, 104 24. november 2008	NICARAGUA	kodused külmkapid ja sügavkülmad	tarbijakaitse	60 päeva
G/TBT/N/NIC/105 28. november 2008	NICARAGUA	veterinaaravimid	inimeste ja loomade elu ja tervise kaitse	60 päeva
G/TBT/N/JPN/281 1. detsember 2008	JAAPAN	mootorsõidukid (HS: 87.01-08, 87.11, 87.13 and 87.14)	ohutus	23. jaanuar 2009
G/TBT/N/JPN/285 4. detsember 2008	JAAPAN	ravimid	nõuded tootmisprotsessile, kvaliteedile, hoiustamisele	31. jaanuar 2009
G/TBT/N/THA/285 4. detsember 2008	TAI	välgumihklid (HS: 9613, ICS: 97.180)	ohutus ja tarbijakaitse	60 päeva
G/TBT/N/BRA/315 8. detsember 2008	BRASIILIA	sportlastele mõeldud toidud	inimeste tervise kaitse	14. jaanuar 2009
G/TBT/N/JPN/286 8. detsember 2008	JAAPAN	ravimid	nõuded tootmisprotsessile, kvaliteedile, hoiustamisele	8. veebruar 2009
G/TBT/N/JPN/287 8. detsember 2008	JAAPAN	kodumajapidamises kasutatavad veevarustussüsteemid	inimeste tervise kaitse	12. veebruar 2009
G/TBT/N/THA/286 8. detsember 2008	TAI	ohtlikud ained (HS: 3824, ICS: 13.030.30)	ohutus ja tarbijakaitse	60 päeva
G/TBT/N/TPKM/66 8. detsember 2008	TAIWANI, PENGHU, KINMENI JA MATSU ERALDI TOLLI- TERRITOORIUM	väikesed tarbesõidukid ja mootorrattad	keskkonnakaitse	60 päeva

G/TBT/N/UGA/26 8. detsember 2008	UGANDA	piimarasva tootestandard 67.100	ohutus	60 päeva
G/TBT/N/UGA/ 27 - 29 8. detsember 2008	UGANDA	vee standard 13.060	tarbijate tervis ja ohutus	60 päeva
G/TBT/N/UGA/30 8. detsember 2008	UGANDA	kaitsekiivrid 13.340.20	ohutus ja kvaliteet	60 päeva
G/TBT/N/UGA/31 8. detsember 2008	UGANDA	plasttooted 13.020.99	nõuded ümbertöötlemisele	60 päeva
G/TBT/N/UGA/ 32, 33 8. detsember 2008	UGANDA	paberistandard 85.080	nõuded	60 päeva
G/TBT/N/UGA/ 34, 35 8. detsember 2008	UGANDA	sõidukite registreerimismärgid 43	nõuded	60 päeva
G/TBT/N/UGA/36 8. detsember 2008	UGANDA	vedelkütus 75.160.20	tarbijakaitse	60 päeva
G/TBT/N/UGA/37 8. detsember 2008	UGANDA	kasutatud sõidukid 43	nõuded ülevaatusel	60 päeva
G/TBT/N/CHE/105 15. detsember 2008	ŠVEITS	tebukonasool (CAS No 107534-96-3) tiabendasool (CAS No 148-79-8)	rahva tervise kaitse ja keskkonnakaitse	60 päeva
G/TBT/N/CHE/ 106, 107 15. detsember 2008	ŠVEITS	toit	tarbijakaitse ja keskkonnakaitse	60 päeva
G/TBT/N/CRI/84 15. detsember 2008	COSTA RICA	veterinaarravimid	inimeste ja loomade tervise kaitse ja keskkonnakaitse	60 päeva
G/TBT/N/EEC/236 15. detsember 2008	EUROOPA ÜHENDUSED	triflumuroon (pestitsiidi toimeaine)	inimeste tervise kaitse ja keskkonnakaitse (Direktiiv 91/414/EMÜ)	60 päeva
G/TBT/N/HND/56 15. detsember 2008	HONDURAS	veterinaarravimid	inimeste ja loomade tervise kaitse ja keskkonnakaitse	60 päeva
G/TBT/N/JAM/17 15. detsember 2008	JAMAICA	säästev energia erinevates hoonetes ja rajatistes	lahendused energiakriisile	60 päeva
G/TBT/N/JPN/288 15. detsember 2008	JAAPAN	tulekahju- signalisatsioonisüsteemi andurid (HS: 8531.90), detektorid (HS: 8531.90), kontrollisüsteemid (HS: 8531.10)	nõuded	60 päeva
G/TBT/N/LTU/12 15. detsember 2008	LEEDU	tuleohutusseadmed	nõuded	60 päeva
G/TBT/N/EEC/237 16. detsember 2008	EUROOPA ÜHENDUSED	kodumajapidamises kasutatavad lambid	energiatõhusus	60 päeva
G/TBT/N/IND/36 16. detsember 2008	INDIA	jäävabad külmikud	energia säästmine	15. veebruar 2009



G/TBT/N/IND/37 16. detsember 2008	INDIA	torukujulised luminofoorlambid	energia säästmine	15. veebruar 2009
G/TBT/N/KOR/197 16. detsember 2008	KOREA VABARIIK	taimsed ravimid	bensopüreeeni sisaldavate taimsete ravimite keelustamine	60 päeva
G/TBT/N/USA/432 16. detsember 2008	USA	puittooted (HS: 44, 4408, 4410, 4411, 4412) (ICS: 790.060, 79.080, 79.040, 79.020, 13.020, 91)	inimeste tervise kaitse ja keskkonnakaitse	2. veebruar 2009
G/TBT/N/USA/433 16. detsember 2008	USA	toidukaubad (ICS: 67.04)	tarbijakaitse	23. veebruar 2009
G/TBT/N/USA/434 16. detsember 2008	USA	bensiin ja diisel (HS: 2710) (ICS: 13.75.160)	keskkonnakaitse	7. jaanuar 2009
G/TBT/N/CHE/108 17. detsember 2008	ŠVEITS	elektriseadmed	ohutus	28. veebruar 2009
G/TBT/N/KOR/198 17. detsember 2008	KOREA VABARIIK	lastetoidu reklaam	laste kaitsmine	60 päeva
G/TBT/N/UKR/4 17. detsember 2008	UKRAINA	puhastusvahendid	ohutus	-
G/TBT/N/UKR/5 17. detsember 2008	UKRAINA	kuumaveeboilerid	nõuded	-
G/TBT/N/UKR/6 17. detsember 2008	UKRAINA	kaitsevahendid	nõuded	-
G/TBT/N/UKR/7 17. detsember 2008	UKRAINA	kodumajapidamises kasutatavad külmpapid ja külmutid	nõuded	--
G/TBT/N/UKR/8 17. detsember 2008	UKRAINA	gaasiseadmed	nõuded	-
G/TBT/N/UKR/9 17. detsember 2008	UKRAINA	plahvatusohtliku keskkonna seadmed ja kaitsesüsteemid	nõuded	-
G/TBT/N/UKR/10 17. detsember 2008	UKRAINA	mänguasjad	nõuded	-
G/TBT/N/UKR/11 17. detsember 2008	UKRAINA	ohtlike ainete transport maanteel ja raudteel	nõuded	-
G/TBT/N/UKR/12 17. detsember 2008	UKRAINA	radioaktiivsete jäätmed	nõuded	-
G/TBT/N/UKR/13 17. detsember 2008	UKRAINA	ioniseeriv kiirgus	nõuded	-
G/TBT/N/UKR/14 17. detsember 2008	UKRAINA	elektrikaablid ja - juhtmed	ohutusnõuded	-
G/TBT/N/UKR/15 17. detsember 2008	UKRAINA	mänguautomaadid	nõuded	-
G/TBT/N/UKR/16 17. detsember 2008	UKRAINA	ehitustooted, hooned ja struktuurid	nõuded	-
G/TBT/N/UKR/17 17. detsember 2008	UKRAINA	laevaseadmed	nõuded	-
G/TBT/N/USA/435 17. detsember 2008	USA	respiraatorid (HS: 9020, ICS: 13.340.30)	inimeste tervise kaitse	9. veebruar 2009

G/TBT/N/USA/436 17. detsember 2008	USA	mänguasjad, lastele mõeldud tooted (HS: 9503, ICS: 97.200, 97.190)	tarbijaohutus	-
G/TBT/N/USA/437 17. detsember 2008	USA	austrid (HS: 0307.10, ICS: 67.120)	tarbijakaitse	-
G/TBT/N/ZAF/91 17. detsember 2008	LÕUNA AAFRIKA	sõidukid (HS: 8704, ICS: 43.080.01) toidu transportimiseks mõeldud sõidukid	tarbijaohutus	14. veebruar 2009
G/TBT/N/ZAF/92 17. detsember 2008	LÕUNA AAFRIKA	sõiduaudod (HS: 87.03, ICS: 43.100)	tarbijaohutus	14. veebruar 2009
G/TBT/N/USA/438 18. detsember 2008	USA	respiraatorid (HS: 9020, ICS: 13.340.30)	inimeste tervise kaitse	9. veebruar 2009
G/TBT/N/CHN/498 22. detsember 2008	HIINA	meiereiseadmed (ICS: 67.260)	inimeste elu ja tervise kaitse	60 päeva
G/TBT/N/CHN/499 22. detsember 2008	HIINA	spordijoogid (ICS: 67.160.20; HS: 2202900090)	tarbijaohutus	60 päeva
G/TBT/N/CHN/500 22. detsember 2008	HIINA	valuseadmed (ICS: 25.120.30; HS: 8454)	ohutus	60 päeva
G/TBT/N/CHN/501 22. detsember 2008	HIINA	pritsvalumasinad (ICS: 25.120.30; HS: 8454)	ohutus	60 päeva
G/TBT/N/CHN/502 22. detsember 2008	HIINA	ääristusmasinad (ICS: 25.120.10; HS: 8462)	ohutus	60 päeva
G/TBT/N/CHN/503 22. detsember 2008	HIINA	pügamismasinad (ICS: 25.120.10; HS: 8462)	ohutus	60 päeva
G/TBT/N/CHN/504 22. detsember 2008	HIINA	sisepõlemismootorid (ICS: 27.020, HS: 8407).	ohutus	60 päeva
G/TBT/N/CHN/505 22. detsember 2008	HIINA	tulekindel klaas (ICS: 81.040.20, 13.220.50)	tururegulatsioon, personali ja ehitiste ohutuse tagamine	60 päeva
G/TBT/N/CHN/506 22. detsember 2008	HIINA	lamineeritud klaas (ICS: 81.040)	tururegulatsioon, personali ja ehitiste ohutuse tagamine	60 päeva
G/TBT/N/CHN/507 22. detsember 2008	HIINA	heat soak töötusega karastatud klaas (ICS: 81.040.20)	tururegulatsioon, personali ja ehitiste ohutuse tagamine	60 päeva
G/TBT/N/CHN/508 22. detsember 2008	HIINA	abio-non metall ehitusmaterjalid (ICS: 13.030.01)	tururegulatsioon, personali ja ehitiste ohutuse tagamine	60 päeva
G/TBT/N/CHN/509 22. detsember 2008	HIINA	lehtklaas (ICS: 81.040.20)	tururegulatsioon, personali ja ehitiste ohutuse tagamine	60 päeva
G/TBT/N/CHN/510 22. detsember 2008	HIINA	õhukompressorid (ICS: 27.010; HS: 8414)	säästev energiakasutus	60 päeva

G/TBT/N/CHN/511 22. detsember 2008	HIINA	siseveelaevad (ICS: 17.140.20, 47.020; HS: 8901, 8904, 8905)	ohutus	60 päeva
G/TBT/N/CHN/512 22. detsember 2008	HIINA	turvavõrgud (ICS:13.340.99)	töötajate ja toodete ohutus	60 päeva
G/TBT/N/CHN/513 22. detsember 2008	HIINA	kaitseriietus (ICS: 13.340.10)	töötajate ja toodete ohutus	60 päeva
G/TBT/N/JPN/289 22. detsember 2008	JAAPAN	riis	tarbijainfo	15. veebruar 2009
G/TBT/N/KWT/17 22. detsember 2008	KUVEIT	kõik tooted	ohutusnõuded	60 päeva
G/TBT/N/SVN/81 22. detsember 2008	SLOVEENIA	rahvuslik lisa euroopa standardile EN 1992-1-2:2005 Eurokoodeks 2: Beton- konstruktsioonide projekteerimine. Osa 1- 2: Üldreeglid. Tulepüsivus	ohutus, tarbijakaitse	1. märts 2009
G/TBT/N/KOR/199 23. detsember 2008	KOREA VABARIIK	ravimid, ravimtaimed	mükotoksiini sisaldavate taimsete ravimite müügi keelustamine	60 päeva
G/TBT/N/SVN/80 23. detsember 2008	SLOVEENIA	rahvuslikud lisad Euroopa standarditele ICS 91.080.10 (teraskonstruktsioonid), 91.010.30 (ehituste tehnilised aspektid)	ohutus, tarbijakaitse	1. märts 2009
G/TBT/N/CAN/255 24. detsember 2008	KANADA	pestitsiidid (ICS : 65.100)	inimeste tervise kaitse ja keskkonnakaitse	15. jaanuar 2009
G/TBT/N/EEC/ 238, 239 24. detsember 2008	EUROOPA ÜHENDUSED	elektri- ja elektroonikaseadmed nagu määratletud Direktiivi 2002/95/EÜ artiklis 3(a)	muudatused seadusandluses	60 päeva
G/TBT/N/EEC/240 24. detsember 2008	EUROOPA ÜHENDUSED	fenpropimorf, väävel fluoriid, booroksiid, boorhape, dinaatriumtetraboraat ja dinaatrium-oktaboraat- tetrahüdraat	rahva tervise kaitse ja keskkonnakaitse	60 päeva

## 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

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- 23 Üldkasutatavad hüdro- ja pneumosüsteemid ja nende osad
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- 27 Elektri- ja soojusenergeetika
- 29 Elektrotehnika
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- 75 Nafta ja naftatehnoloogia
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- 79 Puidutehnoloogia
- 81 Klaasi- ja keraamikatööstus
- 83 Kummi- ja plastitööstus
- 85 Paberitehnoloogia
- 87 Värvide ja värvainete tööstus
- 91 Ehitusmaterjalid ja ehitus
- 93 Rajatised
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- 97 Olme. Meelelahutus. Sport
- 99 Muud

## **01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON**

### **UUED STANDARDID**

#### **CEN ISO/TS 27687:2008**

Hind 105,00

Identne CEN ISO/TS 27687:2008

ja identne ISO/TS 27687:2008

#### **Nanotechnologies - Terminology and definitions for nano-objects - Nanoparticle, nanofibre and nanoplat**

This Technical Specification lists unambiguous terms and definitions related to particles in the field of nanotechnologies. It is intended to facilitate communications between organizations and individuals in industry and those who interact with them.

Keel en

#### **CEN/TR 14633:2003**

Hind 105,00

Identne CEN/TR 14633:2003

#### **Welding - Working positions - Comparison of current international, European and US designations**

This Technical Report provides a comparison between the common working and welding positions shown in EN ISO 6947 and the joint orientations shown in ANSI/AWS A3.0, and ASME Boiler and pressure vessel code Section IX

Keel en

#### **CEN/TS 15679:2007**

Hind 155,00

Identne CEN/TS 15679:2007

#### **Termiliselt modifitseeritud puit. Määratlused ja omadused**

This Technical Specification gives definitions and characteristics for Thermally Modified Timber. TMT is used in interior (dry, humid) and exterior conditions. NOTE 1 TMT is usually a semi-finished product; applications are e.g. flooring, panelling, cladding, decking, windows, doors, furniture and other internal and external joinery. Where product standard exist, the given requirements and test methods are to be taken into consideration. NOTE 2 Use in load bearing applications – reference to relevant EN standards should be made.

Keel en

#### **EVS-EN 15532:2008**

Hind 243,00

Identne EN 15532:2008

#### **Cycles - Terminology**

This European Standard defines a description of common terms and symbols used in the field of bicycles. The terms are classified under a nomenclature of different parts of bicycles and presented in English, French, German, Dutch and Italian.

Keel en

#### **EVS-EN 15707:2008**

Hind 166,00

Identne EN 15707:2008

#### **Print media analyses - Vocabulary and service requirements**

This European standard specifies the vocabulary and service requirements for media analyses in the field of print media.

Keel en

#### **EVS-EN ISO 13349:2008**

Hind 219,00

Identne EN ISO 13349:2008

ja identne ISO 13349:1999

#### **Tööstuslikud ventilaatorid. Terminoloogia**

This International Standard provides a vocabulary and defines categories for general purpose industrial fans and their component parts. It is applicable to any fan used for industrial purposes, including the ventilation of buildings and mines, but excluding ceiling, pedestal and similar circulation types of fans such as those commonly used for non-industrial purposes.

Keel en

Asendatud prEN ISO 13349

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 13707:2004/prA2**

Identne EN 13707:2004/prA2:2008

Tähtaeg 1.03.2009

#### **Elastsed niiskusisolatsioonimaterjalid. Sarrustatud bituumenpapp katuse niiskusisolatsiooniks.**

#### **Määratlused ja omadused**

This European Standard specifies definitions and characteristics for flexible reinforced bitumen sheets for which the intended use is roofing. This covers sheets used as top layers, intermediate layers and underlayers. It does not cover reinforced bitumen sheets for waterproofing used as underlays for discontinuous roofing. It does not cover waterproofing sheets which are intended to be used fully bonded under bituminous products (e.g. asphalt) directly applied at high temperature, specified by prEN 14695.

Keel en

#### **prEN 1555-1**

Identne prEN 1555-1:2008

Tähtaeg 1.03.2009

#### **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 the other parts of EN 1555 (see Foreword) 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

#### **prEN 15878**

Identne prEN 15878:2008

Tähtaeg 1.03.2009

#### **Steel static storage systems - Adjustable pallet racking - Terms and definitions**

This standard classifies steel storage systems and defines their terms as well as basic components and accessories.

Keel en

### **prEN ISO 1043-1**

Identne prEN ISO 1043-1:2008  
ja identne ISO/DIS 1043-1:2008  
Tähtaeg 1.03.2009

#### **Plastid. Tähisted ja terminilühendid. Osa 1: Põhipolümeerid ja nende eritunnused**

This part of ISO 1043 provides abbreviated terms for the basic polymers used in plastics, symbols for components of these terms, and symbols for special characteristics of plastics. It includes only those abbreviated terms that have come into established use and its aim is both to prevent the occurrence of more than one abbreviated term for a given plastic and to prevent a given abbreviated term being interpreted in more than one way.

Keel en

Asendab EVS-EN ISO 1043-1:2002

### **prEN ISO 19146**

Identne prEN ISO 19146:2008  
ja identne ISO/DIS 19146:2008  
Tähtaeg 1.03.2009

#### **Geographic information - Cross-domain vocabularies**

This International Standard defines a methodology for cross-mapping technical vocabularies that have been adopted by industry-specific geospatial communities. It also specifies an implementation of ISO 19135 (Geographic information — Procedures for item registration) for the registration of geographic information concepts for the purpose of integrating multiple domain-based vocabularies. Methodologies for the development of ontologies and taxonomies that relate to geographic information and geomatics are not within the scope of this International Standard.

Keel en

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

### **UUED STANDARDID**

#### **CEN ISO/TS 24534-1:2007**

Hind 155,00  
Identne CEN ISO/TS 24534-1:2007  
ja identne ISO/TS 24534-1:2007

#### **Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 1: Architecture**

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for:- electronic identification of local and foreign vehicles by national authorities,- vehicle manufacturing, in-life maintenance and end-of-life identification (vehicle life cycle management),- adaptation of vehicle data (e.g. for international resales),- safety-related purposes,- crime reduction, and- commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 provides an overview of the ERI system concept, in terms of the onboard vehicle components and the external off-vehicle components required for an operational system. The detailed requirements are defined in the Parts 2, 3, 4 and 5 of ISO 24534 and for the more limited, relevant provisions of ISO 24535.

Keel en

Asendatud prEN ISO 24534-1

### **CEN/TR 15735:2008**

Hind 229,00  
Identne CEN/TR 15735:2008

#### **Postal services - Quality of service - Distance to access points**

This report takes into account the existing systems for measuring access to postal services and the targets that are already in use in member states. To get an understanding of the existing systems regarding population coverage, a questionnaire entitled, "Methodology for the Measurement of Distance to postal Access Points" was circulated to postal operators and postal regulators (see Annex A).

Keel en

### **CEN/TS 99001:2008**

Hind 209,00  
Identne CEN/TS 99001:2008

#### **Ettevõtluse toetamine. Tugiteenused väikeettevõtetele. Terminoloogia, kvaliteet ja toimimine**

This Technical Specification establishes the general elements of a business support service of appropriate quality. The service should be tailored to the expectations of enterprises. This Technical Specification specifies requirements on the business support service providers, as well as guidelines for enterprises, including self-employed persons. It focuses on the process of service provision rather than the nature or content of the service. It is not concerned with the internal organisation of either service providers or enterprises. This Technical Specification can serve as a common reference for both enterprises and support service providers.

Keel en

### **CWA 15896-1:2008**

Hind 114,00  
Identne CWA 15896-1:2008

#### **Value added purchasing management - Part 1: General criteria**

This CWA PUMA follows principles of good Purchasing practice and is applicable to all Purchasing Organisations in any part of the world. Organisations that adopt the principles of this CWA PUMA, or are certified to this CWA PUMA, will achieve, competitive advantage, commercial differentiation and value added service excellence through improved effectiveness, efficiency and communication. High-performing organisations are most likely to have high-performing Purchasing Teams and a robust framework of Purchasing policies, processes and procedures.

Keel en

**CWA 15896-2:2008**

Hind 92,00

Identne CWA 15896-2:2008

**Value added purchasing management - Part 2: Accredited structure and process for certification bodies**

This document is intended to show the outline for a certification scheme whereby organisations can have their operational processes for their purchasing management activities assessed against agreed criteria and be certified as conforming to those criteria by a competent impartial body. As part of the scheme the assessment criteria must be recognised and accepted as appropriate by all relevant parties, nationally or internationally, and the certification bodies must demonstrate their competence to carry out the assessment and certifying activities through accreditation to international standards by independent authoritative national accreditation organisations.

Keel en

**CWA 15899:2008**

Hind 229,00

Identne CWA 15899:2008

**Standardization of an Innovation Capability Rating for SMEs**

The method of measuring and benchmarking an enterprise's innovation capability and performance as well as the underlying critical success factors and indicators addresses small and medium-sized enterprises with less than 500 employees manufacturing products and/or rendering services. It is basically applicable across all industries. These SMEs seeking transparency on their innovation capability and performance can use the method by themselves. The numerical scores resulting from a standardised calculation can be used to demonstrate the innovation capability and performance internally as well as externally e.g. by creditors during credit assessments or by customers convincing them.

Keel en

**CWA 15903:2008**

Hind 166,00

Identne CWA 15903:2008

**Metadata for Learning Opportunities (MLO) - Advertising**

This standard defines the electronic representation of Learning Opportunities in order to facilitate their advertising and subsequent discovery by prospective learners. Key users of the standard will be: - those who provide opportunities for learning and wish to advertise them; - those who offer electronic search services that aggregate results from multiple Learning Opportunity providers; - those who wish to compare Learning Opportunities that have been represented electronically. The standard presents an abstract model for representing Learning Opportunities. The model specifies three resources about which metadata can be stored to facilitate advertising of Learning Opportunities: 1. Learning Opportunity Provider; 2. Learning Opportunity Specification; and 3. Learning Opportunity Instance. The standard specifies relations between the three resources and recommends a core set of metadata for each.

Keel en

**CEN/TS 15511**

Hind 209,00

Identne CEN/TS 15511:2008

**Postal services - Quality of service - Information available on postal services**

In applying the European postal directives (97/67/CE and 2002/39/CE), standards regarding the quality of service are to be set and published in relation to the universal services. With the development of the internal market, these standards aim to ensure a better quality of universal services in Europe. In this context, a project team was mandated (mandate M/312) by the European commission to develop a European standard or standards relating to the quality of access to postal services and to the quality of postal delivery. The work item was under the control of CEN technical committee 331. A report was produced by the project team which identified information availability with regard to access and delivery as a priority for standard development.

Keel en

**EVS 875-10:2008**

Hind 209,00

**Vara hindamine. Osa 10: Objekti ülevaatus ja andmete kogumine**

Standardiseeria EVS 875 käsitleb vara hindamist. Standardite kasutusala on vara hindamise ja hinnangute kasutamise seotud tegevused, eelkõige laenu tagatiste ja finantsaruandlusega seotud tegevused. Standardite kasutajateks on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandlusega tegelevad spetsialistid (raamatupidajad, audiitorid), krediitiasutused, kõrgemad õppeasutused. Standardite olemasolu loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui ka avaliku sektori vajadusi.

Keel et

**EVS 902:2008**

Hind 188,00

ja identne IWA 2:2007

**Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001:2000 rakendamiseks haridusasutustes**

Käesolev rahvusvahelise tööühma kokkulepe annab juhised kvaliteedijuhtimissüsteemide rakendamiseks haridusasutustes. Käesolevas rahvusvahelise tööühma kokkuleppes sisalduvad suunised ei muuda ega teisenda mingil viisil ISO 9001:2000 nõudeid ega lisa sinna midagi, samuti ei ole nad mõeldud kasutamiseks vastavushindamise lepingutes ega sertifitseerimiseks. Lisas A on toodud haridusasutuste enesehindamise küsimustik. Lisas B on toodud haridusprotsesside, näitajate, tõendusdokumentide ja töövahendite näiteid.

Keel et



**EVS 903:2008**

Hind 243,00

**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 toetava kvaliteedijuhtimissüsteemi juurutamiseks. Iga kohalik omavalitsus kohandab käesolevas dokumendis pakutud näited oma spetsiifiliste situatsiooni ja tingimustele kohaseks.

Keel et

**EVS-EN 15696:2008**

Hind 124,00

Identne EN 15696:2008

**Self storage - Specification for self storage services**

This European Standard specifies requirements for the provision of self storage facilities and related services, for both personal and business purposes.

Keel en

**EVS-EN 15707:2008**

Hind 166,00

Identne EN 15707:2008

**Print media analyses - Vocabulary and service requirements**

This European standard specifies the vocabulary and service requirements for media analyses in the field of print media.

Keel en

**EVS-EN 60300-3-16:2008**

Hind 188,00

Identne EN 60300-3-16:2008

ja identne IEC 60300-3-16:2008

**Dependability management - Part 3-16: Application guide - Guidelines for the specification of maintenance support services**

This part of IEC 60300 describes a framework for the specification of services related to the maintenance support of products, systems and equipment that are carried out during the operation and maintenance phase. The purpose of this standard is to outline, in a generic manner, the development of agreements for maintenance support services as well as guidelines for the management and monitoring of these agreements by both the company and the service provider.

Keel en

**EVS-EN 61649:2008**

Hind 295,00

Identne EN 61649:2008

ja identne IEC 61649:2008

**Weibull analysis**

This International Standard provides methods for analysing data from a Weibull distribution using continuous parameters such as time to failure, cycles to failure, mechanical stress, etc. This standard is applicable whenever data on strength parameters, e.g. times to failure, cycles, stress, etc. are available for a random sample of items operating under test conditions or in-service, for the purpose of estimating measures of reliability performance of the population from which these items were drawn.

Keel en

**EVS-EN ISO 9001:2008**

Hind 376,00

Identne EN ISO 9001:2008

ja identne ISO 9001:2008

**Kvaliteedijuhtimissüsteemid. Nõuded**

Käesolev standard spetsifitseerib nõuded kvaliteedijuhtimissüsteemile juhiks, kui organisatsioon a) peab demonstreerima oma suutlikkust pakkuda järjekindlalt tooteid, mis vastavad kliendi ning kohaldatavatele seadusjärgsetele ja normatiivsetele nõuetele, ning b) püüab suurendada kliendi rahulolu süsteemi mõjusa rakendamise, sh süsteemi pideva parendamise protsesside ja kliendi ning kohaldatavatele seadusjärgsetele ja normatiivsetele nõuetele vastavuse tagamise teel.

Keel et,en

Asendatud EVS-EN ISO 9001:2001

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN ISO 9001:2001**

Identne EN ISO 9001:2000

ja identne ISO 9001:2000

**Kvaliteedijuhtimissüsteemid. Nõuded**

Käesolev standard spetsifitseerib nõuded kvaliteedijuhtimissüsteemile juhiks, kui organisatsioon a) vajab vahendit demonstreerimaks oma suutvust väljastada järjekindlalt kliendi ja kohaldatavatele regulatiivsetele nõuetele vastavat toodet, ning b) püüab suurendada kliendi rahulolu süsteemi mõjusa rakendamise, sh süsteemi pideva parendamise protsesside ning kliendi ja kohaldatavatele regulatiivsetele nõuetele vastavuse tagamise teel.

Keel et,en

Asendab EVS-EN ISO 9001:1996

Asendatud EVS-EN ISO 9001:2008

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 24534-1**

Identne prEN ISO 24534-1:2008

ja identne ISO/DIS 24534-1:2008

Tähtaeg 1.03.2009

#### **Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 1: Architecture**

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for: - electronic identification of local and foreign vehicles by national authorities; - vehicle manufacturing, in-life maintenance and end-of-life identification (vehicle life cycle management); - adaptation of vehicle data (e.g. for international resales); - safety-related purposes; - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 provides an overview of the ERI system concept, in terms of the onboard vehicle components and the external off-vehicle components required for an operational system. The detailed requirements are defined in the Parts 2, 3, 4 and 5 of ISO 24534 and for the more limited, relevant provisions of ISO 24535.

Keel en

Asendab CEN ISO/TS 24534-1:2007

### **prEN ISO 24534-2**

Identne prEN ISO 24534-2:2008

ja identne ISO/DIS 24534-2:2008

Tähtaeg 1.03.2009

#### **Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 2: Operational requirements**

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for: - electronic identification of local and foreign vehicles by national authorities; - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management); - adaptation of vehicle data (e.g. for international resales); - safety-related purposes; - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 defines the operational requirements for the remaining parts of ISO/TS 24534 and the more limited but relevant provisions of ISO 24535. Whilst the definition of the organizational framework required to implement, operate and maintain an ERI system is outside the scope of this part of ISO/TS 24534, a list of potential stakeholders in the public and private sector has been included.

Keel en

Asendab CEN ISO/TS 24534-2:2008

### **prEN ISO 24534-3**

Identne prEN ISO 24534-3:2008

ja identne ISO/DIS 24534-3:2008

Tähtaeg 1.03.2009

#### **Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 3: Vehicle data**

This part of ISO/TS 24534 provides the requirements for an Electronic Registration Identification (ERI) that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for: - electronic identification of local and foreign vehicles by national authorities, - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management), - adaptation of vehicle data, e.g. in case of international re-sales,

Keel en

Asendab CEN ISO/TS 24534-3:2008

### **prEN ISO 24534-4**

Identne prEN ISO 24534-4:2008

ja identne ISO/DIS 24534-4:2008

Tähtaeg 1.03.2009

#### **Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 4: Secure communications using asymmetrical techniques**

This part of EN ISO 24534 provides the requirements for an Electronic Registration Identification (ERI) that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for: - electronic identification of local and foreign vehicles by national authorities, - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management), - adaptation of vehicle data, e.g. in case of international re-sales, - safety-related purposes, - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of EN ISO 24534 specifies the interfaces for a secure exchange of data between an ERT and an ERI reader or ERI writer in or outside the vehicle using asymmetric encryption techniques.

Keel en

Asendab CEN ISO/TS 24534-4:2008

## **07 MATEMAATIKA. LOODUSTEADUSED**

### **UUED STANDARDID**

#### **CEN ISO/TS 27687:2008**

Hind 105,00

Identne CEN ISO/TS 27687:2008

ja identne ISO/TS 27687:2008

#### **Nanotechnologies - Terminology and definitions for nano-objects - Nanoparticle, nanofibre and nanoplat**

This Technical Specification lists unambiguous terms and definitions related to particles in the field of nanotechnologies. It is intended to facilitate communications between organizations and individuals in industry and those who interact with them.

Keel en

## **CEN/TS 15790:2008**

Hind 114,00

Identne CEN/TS 15790:2008

### **Animal feeding stuffs - PCR typing of probiotic strains of *Saccharomyces cerevisiae* (yeast)**

This Technical Specification specifies a polymerase chain reaction (PCR) methodology for the identification of *Saccharomyces cerevisiae* probiotic yeast strains. Additionally a method for the extraction of high quality DNA from yeast is suggested.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 19146**

Identne prEN ISO 19146:2008

ja identne ISO/DIS 19146:2008

Tähtaeg 1.03.2009

### **Geographic information - Cross-domain vocabularies**

This International Standard defines a methodology for cross-mapping technical vocabularies that have been adopted by industry-specific geospatial communities. It also specifies an implementation of ISO 19135 (Geographic information — Procedures for item registration) for the registration of geographic information concepts for the purpose of integrating multiple domain-based vocabularies. Methodologies for the development of ontologies and taxonomies that relate to geographic information and geomatics are not within the scope of this International Standard.

Keel en

## **11 TERVISEHOOLDUS**

### **UUED STANDARDID**

#### **CEN ISO/TS 11135-2:2008**

Hind 229,00

Identne CEN ISO/TS 11135-2:2008

ja identne ISO/TS 11135-2:2008

#### **Sterilization of health care products - Ethylene oxide - Part 2: Guidance on the application of ISO 11135-1**

This Technical Specification provides guidance for the requirements in ISO 11135-1:2007. It does not repeat the requirements and is not intended to be used in isolation. The exclusions in ISO 11135-1 apply also to this Technical Specification. For ease of reference, the clause numbering in this Technical Specification corresponds to that in ISO 11135-1:2007. Further guidance for the requirements given in ISO 11135-1 is also included in Annex C of ISO 11135-1:2007 and should be used in conjunction with this Technical Specification. This guidance document is intended for people who have a basic knowledge of the principles of EO sterilization but may need help in determining how to best meet the requirements contained in ISO 11135-1. This document is not intended for people lacking a basic knowledge of the principles of EO sterilization.

Keel en

## **CEN/TS 15209:2008**

Hind 219,00

Identne CEN/TS 15209:2008

### **Tactile paving surface indicators produced from concrete, clay and stone**

This document specifies the nominal dimensions for surface profile features and patterns for the surfaces of pedestrian paving units, used to convey information for visually impaired people. It applies to paving units made of concrete, clay and stone. This document does not specify requirements for visibility (colour, luminance contrast or profile) except where this visibility is provided by the tactile paving surface indicator. It does not specify material characteristics.

Keel en

#### **CLC/TR 50515:2008**

Hind 135,00

Identne CLC/TR 50515:2008

#### **List of interpretations on published standards on "Alarm Systems"**

This is a list of interpretations to currently published standards.

Keel en

#### **EVS-EN 60601-2-39:2008**

Hind 166,00

Identne EN 60601-2-39:2008

ja identne IEC 60601-2-39:2007

#### **Elektrilised meditsiiniseadmed. Osa 2-39: Erinõuded kõhukelmedialüüsiseadmete esmasele ohutusele ja olulistele toimivusnäitajatele**

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of PERITONEAL DIALYSIS ME EQUIPMENT as defined in 201.3.208, hereafter referred to as PD EQUIPMENT. It applies to PD EQUIPMENT intended for use either by medical staff or under the supervision of medical experts, including PD EQUIPMENT operated by the PATIENT, regardless of whether the PD EQUIPMENT is used in a hospital or domestic environment. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this standard are not covered by specific requirements in this standard except in 7.2.13 and 8.4.1 of the general standard. This standard can also be applied to PD EQUIPMENT used for compensation or alleviation of disease, injury or disability. These particular requirements do not apply to the DIALYSING SOLUTION, or the DIALYSING SOLUTION CIRCUIT.

Keel en

Asendab EVS-EN 60601-2-39:2002

#### **EVS-EN ISO 6872:2008**

Hind 178,00

Identne EN ISO 6872:2008

ja identne ISO 6872:2008

#### **Dentistry - Ceramic materials**

This International Standard specifies the requirements and the corresponding test methods for dental ceramic materials for fixed all-ceramic and metal-ceramic restorations and prostheses.

Keel en

Asendab EVS-EN ISO 6872:2001

**EVS-EN ISO 10993-7:2008**

Hind 315,00

Identne EN ISO 10993-7:2008

ja identne ISO 10993-7:2008

**Meditatsioonite bioloogiline hindamine. Osa 7: Jäägid etüleenoksiidiga steriliseerimisest**

This part of ISO 10993 specifies allowable limits for residual ethylene oxide (EO) and ethylene chlorohydrin (ECH) in individual EO-sterilized medical devices, procedures for the measurement of EO and ECH, and methods for determining compliance so that devices may be released. Additional background, including guidance and a flowchart showing how this document is applied, are also included in the informative annexes. EO-sterilized devices that have no patient contact (e.g., in vitro diagnostic devices) are not covered by this part of ISO 10993.

Keel en

Asendab EVS-EN ISO 10993-7:1999

**EVS-EN ISO 11117:2008**

Hind 114,00

Identne EN ISO 11117:2008

ja identne ISO 11117:2008

**Gas cylinders - Valve protection caps and valve guards - Design, construction and tests**

This International Standard specifies the requirements for valve protection caps and guards for gas cylinders. This International Standard defines tests for checking the mechanical strength and physical properties of the valve protection cap or valve guard. This International Standard applies to protection devices for valves used on cylinders for liquefied, dissolved or compressed gases. This International Standard excludes protection devices for cylinders with a water capacity of 5 l or less and cylinders whereby the protection device is fixed by means of lugs welded or brazed to the cylinder, or is welded or brazed directly to the cylinder. This International Standard does not cover valve protection for breathing apparatus cylinders. This International Standard does not specify all the requirements that may be necessary to enable the valve protection device to be used for lifting the cylinder.

Keel en

Asendab EVS-EN 962:1999; EVS-EN 962:1999/A2:2001

**EVS-EN ISO 12866:2000/A1:2008**

Hind 80,00

Identne EN ISO 12866:1999/A1:2008

ja identne ISO 12866:1999/Amd1:2008

**Oftalmilised instrumendid. Perimeetrid**

Käesolev standard esitab nõuded ja testimismetodid instrumentide jaoks, mis on ette nähtud eristava valgustundlikkuse hindamiseks vaateväljas, et subjektiivsel teel kindlaks teha testimisergutite olemasolu teatud taustal.

Keel en

**EVS-EN ISO 15882:2008**

Hind 209,00

Identne EN ISO 15882:2008

ja identne ISO 15882:2008

**Meditatsioonite steriliseerimine. Keemilised indikaatorid. Suunised tulemuste valimiseks, kasutamiseks ja tõlgendamiseks**

1.1 This International Standard provides guidance for the selection, use and interpretation of results of chemical indicators used in process definition, validation and routine monitoring and overall control of sterilization processes. This International Standard applies to indicators that show exposure to sterilization processes by means of physical and/or chemical change of substances, and which are used to monitor one or more of the variables required for a sterilization process. These chemical indicators are not dependent for their action on the presence or absence of a living organism.

1.2 This International Standard does not consider indicators for use in those processes that rely on physical removal of microorganisms, e.g. filtration. 1.3 This International Standard is not intended to apply to indicators for use in combination processes, for example, washer disinfectors or CIP (cleaning in place) and SIP (sterilization in place).

Keel en

Asendab EVS-EN ISO 15882:2003

**EVS-EN ISO 25539-2:2008**

Hind 315,00

Identne EN ISO 25539-2:2008

ja identne ISO 25539-2:2008

**Südame-veresoonekonna implantaadid.****Soonesised vahendid. Osa 2: Arteriaalpingutid**

This part of ISO 25539 specifies requirements for vascular stents, based upon current medical knowledge. With regard to safety, it gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer. It should be considered as a supplement to ISO 14630, which specifies general requirements for the performance of non-active surgical implants.

Keel en

Asendab EVS-EN 14299:2004

Asendatud prEN ISO 25539-2

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 285:2006/prA2**

Identne EN 285:2006/prA2:2008

Tähtaeg 1.03.2009

#### **Steriliseerimine. Aursterilisaatorid. Suured sterilisaatorid**

1.1 This European Standard specifies requirements and the relevant tests for large steam sterilizers primarily used in health care for the sterilization of medical devices and their accessories contained in one or more sterilization modules. The test loads described in this European Standard are selected to represent the majority of loads (i.e. wrapped goods consisting of metal, rubber and porous materials) for the evaluation of general purpose steam sterilizer for medical devices. However, specific loads (e.g. heavy metal objects or long and/or narrow lumen) will require the use of other test loads. Large steam sterilizers can also be used during the commercial production of medical devices.

1.2 This European Standard is not applicable to steam sterilizers designed to process a size of load less than one sterilization module or having a chamber volume less than 60 l. 1.3 This European Standard does not describe a quality assurance system for the control of all stages of the manufacture of the sterilizer. NOTE Attention is drawn to the standards for quality management systems e.g. EN ISO 13485. 1.4 Planning and design of products applying to this European Standard should consider the environmental impact from the product during its life cycle. Environmental aspects are addressed in Annex A. NOTE Additional aspects of environmental impact are addressed in EN ISO 14971.

Keel en

### **EN 1422:1999/prA1**

Identne EN 1422:1997/prA1:2008

Tähtaeg 1.03.2009

#### **Sterilisaatorid meditsiiniliseks otstarbeks. Etüleenoksiidsterilisaatorid. Nõuded ja katsemeetodid**

Käesolev standard määrab kindlaks ekspluatatsiooninõuete miinimumi ja esitab testimismeetodid kaht tüüpi sterilisaatoritele, mis kasutavad sterilandina gaasilist etüleenoksiidi kas puhta gaasi kujul või segus teiste gaasidega (hangitud kas valmissegatult või segatud kasutuskohal) ajutiselt isoleeritavas kambris.

Keel en

### **EN 12006-2:1999/prA1**

Identne EN 12006-2:1998/prA1:2008

Tähtaeg 1.03.2009

#### **Mitteaktiivsed kirurgilised implantaadid. Erinõuded südame- ja soonteimplantaatidele. Osa 2: Soonteproteesid, k.a südameklapi suistikud**

Käesolev standard kirjeldab nõudeid sünteetilise või bioloogilise päritoluga vaskulaarsetele ehk soonteproteesidele, k.a. südameklapisuistikud, mis on ette nähtud inimestel südame-veresoonkonna süsteemis ühenduste asendamiseks, taastamiseks, moodavoolutee või unide moodustamiseks. Käesolev standard ei kehti inimese enda kudedest pärit transplantaatide (autotransplantaatide) kohta.

Keel en

### **EN 12006-3:1999/prA1**

Identne EN 12006-3:1998/prA1:2008

Tähtaeg 1.03.2009

#### **Mitteaktiivsed kirurgilised implantaadid. Erinõuded südame- ja soonteimplantaatidele. Osa 3: Soonesisesed vahendid**

Käesolev standard esitab erinõuded endovaskulaarsetele ehk soonesisestele vahenditele.

Keel en

### **EN 13060:2004/prA1**

Identne EN 13060:2004/prA1:2008

Tähtaeg 1.03.2009

#### **Väikesemahulised aurusterilisaatorid**

This European Standard specifies the performance requirements and test methods for small steam sterilizers and sterilization cycles which are used for medical purposes or for materials that are likely to come into contact with blood or body fluids.

Keel en

### **EN 14180:2003/prA1**

Identne EN 14180:2003/prA1:2008

Tähtaeg 1.03.2009

#### **Meditiinilised steriliseerijad. Madaltemperatuuriga auru ja formaldehüüdi kasutavad steriliseerijad. Nõuded ja katsetamine**

This European Standard specifies requirements and tests for LTSF sterilizers, which use a mixture of low temperature steam and formaldehyde as sterilizing agent, and which are working below ambient pressure only

Keel en

### **prEN ISO 5840**

Identne prEN ISO 5840:2008

ja identne ISO 5840:2005

Tähtaeg 1.03.2009

#### **Südame-veresoonkonna implantaadid. Südameklapiproteesid**

1.1 This International Standard is applicable to all devices intended for implantation in human hearts, as a heart valve substitute. 1.2 This International Standard is applicable to both newly developed and modified heart valve substitutes and to the accessory devices, packaging and labelling required for their implantation and for determining the appropriate size of heart valve substitute to be implanted.

Keel en

Asendab EVS-EN ISO 5840:2006

**prEN ISO 7197**

Identne prEN ISO 7197:2008  
ja identne ISO 7197:2006+Cor 1:2007  
Tähtaeg 1.03.2009

**Neurokirurgilised imolantaadid. Steriilsed ühekordsed neurotsefaalia šundid ja komponendid**

This International Standard specifies safety and performance requirements for sterile, single-use non-active hydrocephalus shunts and components. This includes the components used in shunts, like valves, tubes and reservoirs. This International Standard gives no recommendation concerning the superiority of a certain type of valve. For manufacturing, it defines the mechanical and technical requirements. This International Standard defines the technical information of the valve, to be given by the manufacturer. In respect to the different principles of the valve types, specific characteristics are defined for each group as declared by the manufacturer.

Keel en

Asendab EVS-EN ISO 7197:2006

**prEN ISO 7439**

Identne prEN ISO 7439:2008  
ja identne ISO 7439:2002  
Tähtaeg 1.03.2009

**Vasktöötusega emakasisesed kontraseptiivid. Nõuded, katsetamine**

This standard applies to single-use copper-containing contraceptive intrauterine devices and their insertion instruments. Contraceptive intrauterine devices consisting only of a plastics body and contraceptive intrauterine devices whose primary purpose is to release progestogens are not included in the scope of this standard.

Keel en

Asendab EVS-EN ISO 7439:2002

**prEN ISO 8536-2**

Identne prEN ISO 8536-2:2008  
ja identne ISO/DIS 8536-2:2008  
Tähtaeg 1.03.2009

**Infusion equipment for medical use - Part 2: Closures for infusion bottles**

This part of ISO 8536 specifies the shape, dimensions, material, performance requirements and labelling of closures for infusion bottles as specified in ISO 8536-1. The dimensional requirements are not applicable to barrier-coated closures. Closures specified in this part of ISO 8536 are intended for single use only.

Keel en

Asendab EVS-EN ISO 8536-2:2003

**prEN ISO 9713**

Identne prEN ISO 9713:2008  
ja identne ISO 9713:2002  
Tähtaeg 1.03.2009

**Neurokirurgilised implantaadid. Ise sulguvad intrakraniaalsed aneurüsmiklambrid**

This International Standard describes characteristics of self-closing aneurysm clips intended for permanent intracranial implantation and specifies requirements for their marking, packaging, sterilization and for labelling and accompanying documentation. In addition it gives a method for the measurement of closing force. This International Standard is not applicable to malleable clips, or clips intended to be used during the course of surgery and removed before wound closure (temporary clips).

Keel en

Asendab EVS-EN ISO 9713:2004

**prEN ISO 10555-1**

Identne prEN ISO 10555-1:2008  
ja identne ISO 10555-1:1995+Amd 1:1999+Amd 2:2004  
Tähtaeg 1.03.2009

**Steriilsed ühekordselt kasutatavad intravaskulaarsed (soonesisesed) kateetrid. Osa 1: Üldnõuded**

Standardi käesolev osa esitab üldnõuded mis tahes rakenduseks ettenähtud intravaskulaarsetele (soonesisestele) kateetritele, mis on hangitud steriilsetena ja ette nähtud ühekordseks kasutamiseks.

Keel en

Asendab EVS-EN ISO 10555-1:1999

**prEN ISO 10993-11**

Identne prEN ISO 10993-11:2008  
ja identne ISO 10993-11:2006  
Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 11: Katsed süsteemse toksilisuse hindamiseks**

This part of ISO 10993 specifies requirements and gives guidance on procedures to be followed in the evaluation of the potential for medical device materials to cause adverse systemic reactions.

Keel en

Asendab EVS-EN ISO 10993-11:2006

**prEN ISO 10993-12**

Identne prEN ISO 10993-12:2008  
ja identne ISO 10993-12:2007  
Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 12: Proovieksemplari ettevalmistamine ja etalonained**

This part of ISO 10993 specifies requirements and gives guidance on the procedures to be followed in the preparation of samples and the selection of reference materials for medical device testing in biological systems in accordance with one or more parts of the ISO 10993 series. Specifically this part of ISO 10993 addresses: - test sample selection; - selection of representative portions from a device; - test sample preparation; - experimental controls; - selection of and requirements for reference materials; - preparation of extracts. This part of ISO 10993 is not applicable to materials or devices containing live cells.

Keel en

Asendab prEN ISO 10993-12

**prEN ISO 10993-14**

Identne prEN ISO 10993-14:2008

ja identne ISO 10993-14:2001

Tähtaeg 1.03.2009

**Meditatsiooniseadmete bioloogiline hindamine. Osa 14: Keraamika lagusaaduste identifitseerimine ja kvantifitseerimine**

This part of ISO 10993 specifies two methods of obtaining solutions of degradation products from ceramics (including glasses) for the purposes of quantification. It also gives guidance on the analysis of these solutions in order to identify the degradation products. Because of the generalized nature of this part of ISO 10993, productspecific standards, when available, that address degradation product formation under more relevant conditions of use, should be considered first. This part of ISO 10993 considers only those degradation products generated by a chemical dissociation of ceramics during in vitro testing. No degradation induced by mechanical stress or external energy is covered. It is noted that while ISO 6872 and ISO 9693 cover chemical degradation tests, they do not address the analysis of degradation products.

Keel en

Asendab EVS-EN ISO 10993-14:2002

**prEN ISO 10993-17**

Identne prEN ISO 10993-17:2008

ja identne ISO 10993-17:2002

Tähtaeg 1.03.2009

**Meditatsiooniseadmete bioloogiline hindamine. Osa 17: Aine eraldumise lubatud piirmäärade kehtestamine**

This part of ISO 10993 specifies a method for the determination of allowable limits for substances leachable from medical devices. It is intended for use in deriving standards and estimating appropriate limits where standards do not exist. It describes a systematic process through which identified risks arising from toxicologically hazardous substances present in medical devices can be quantified. This part of ISO 10993 is not applicable to devices that have no patient contact (e.g. in vitro diagnostic devices). Exposure to a particular chemical substance may arise from sources other than the device, such as food, water or air. This part of ISO 10993 does not address the potential for exposure from such sources.

Keel en

Asendab EVS-EN ISO 10993-17:2003

**prEN ISO 10993-18**

Identne prEN ISO 10993-18:2008

ja identne ISO 10993-18:2005

Tähtaeg 1.03.2009

**Meditatsiooniseadmete bioloogiline hindamine. Osa 18. Materjalide keemiline iseloomustus**

This part of ISO 10993 describes a framework for the identification of a material and the identification and quantification of its chemical constituents. The chemical characterization information generated can be used for a range of important applications, for example: - As part of an assessment of the overall biological safety of a medical device (ISO 10993-1 and 14971). - Measurement of the level of a leachable substance in a medical device in order to allow the assessment of compliance with the allowable limit derived for that substance from health based risk assessment (ISO 10993-17). - Judging equivalence of a proposed material to a clinically established material. - Judging equivalence of a final device to a prototype device to check the relevance of data on the latter to be used to support the assessment of the former. - Screening of potential new materials for suitability in a medical device for a proposed clinical application.

Keel en

Asendab EVS-EN ISO 10993-18:2005

**prEN ISO 11138-2**

Identne prEN ISO 11138-2:2008

ja identne ISO 11138-2:2006

Tähtaeg 1.03.2009

**Bioloogilised süsteemid sterilisaatorite ja sterilisatsiooniprotsesside katsetamiseks. Osa 2: Spetsiaalsüsteemid kasutamiseks etüleenoksiidsterilisaatorites**

Käesolev standard esitab eksploatatsiooninõuded bioloogilistele indikaatoritele, mis on hangitud kasutusvalmina, ning kontrollorganismide suspensioonidele, mis on hangitud kas bioloogiliste indikaatorite valmistamiseks või vahendina külvamiseks ja mida kasutatakse etüleenoksiidil põhinevate sterilisatsiooniprotsesside usaldusväärsuse kontrollimisel.

Keel en

Asendab EVS-EN ISO 11138-2:2006

**prEN ISO 11138-3**

Identne prEN ISO 11138-3:2008

ja identne ISO 11138-3:2006

Tähtaeg 1.03.2009

**Bioloogilised süsteemid sterilisaatorite ja sterilisatsiooniprotsesside katsetamiseks. Osa 3: Spetsiaalsüsteemid kasutamiseks niiske kuumusega steriliseerivates sterilisaatorites**

Käesolev standard esitab eksploatatsiooninõuded bioloogilistele indikaatoritele, mis on hangitud kasutusvalmina, ning kontrollorganismide suspensioonidele, mis on hangitud kas bioloogiliste indikaatorite valmistamiseks või vahendina külvamiseks ja mida kasutatakse aurul põhinevate sterilisatsiooniprotsesside usaldusväärsuse kontrollimisel.

Keel en

Asendab EVS-EN ISO 11138-3:2006

**prEN ISO 11140-1**

Identne EN ISO 11140-1:2005

ja identne ISO 11140-1:2005

Tähtaeg 1.03.2009

**Tervishoiutoodete steriliseerimine. Keemilised näitajad. Osa 1: Üldised nõuded**

Käesolev standard esitab üldnõuded indikaatoritele, mis oma toimimises ei sõltu elavate organismide olemasolust või puudumisest ning mida kasutatakse, et jälgida ühe või mitme muutuva suuruse olemasolu või saavutatust, mis on nõutavad rahuldavaks sterilisatsiooniprotsessiks. Standard ei esita nõudeid bioloogiliste süsteemide kasutamiseks.

Keel en

Asendab EVS-EN ISO 11140-1:2005

**prEN ISO 11140-3**

Identne prEN ISO 11140-3:2008

ja identne ISO 11140-3:2007

Tähtaeg 1.03.2009

**Tervishoiutoodete steriliseerimine. Keemilised indikaatorid. Osa 3: 2.klassi kuuluvad indikaatorsüsteemid kasutamiseks Bowie ja Dick tüüpi auruläbivuskatsete teostamisel**

Käesolev standard esitab nõuded indikaatorile, mida kasutatakse aursterilisaatorite Bowie ja Dick'i testis sissemähitud asjade jaoks, nt. instrumendid ja poorsed materjalid. Indikaator selleks otstarbeks on B klassi indikaator, nagu on kirjeldatud käesoleva standardi osas 1.

Keel en

Asendab EVS-EN ISO 11140-3:2007/AC:2008; EVS-EN ISO 11140-3:2007

**prEN ISO 14602**

Identne prEN ISO 14602:2008

ja identne ISO 14602:1998

Tähtaeg 1.03.2009

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

Standard esitab erinõuded osteosünteesiks ettenähtud mitteaktiivsetele kirurgilistele implantaatidele, millele siit alates viidatakse kui lihtsalt "implantaatidele".

Keel en

Asendab EVS-EN ISO 14602:1999

**prEN ISO 14607**

Identne prEN ISO 14607:2008

ja identne ISO 14607:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Rindade implantaadid. Erinõuded**

This International Standard specifies particular requirements for mammary implants for clinical practice. With regard to safety, this International Standard specifies requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer.

Keel en

Asendab EVS-EN ISO 14607:2007

**prEN ISO 14630**

Identne prEN ISO 14630:2008

ja identne ISO 14630:2008

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Üldnõuded**

Käesolev standard määratleb üldnõuded mitteaktiivsetele kirurgilistele implantaatidele. See standard ei ole rakendatav hambaimplantaatidele, hambataastusmatrjalidele, transendodontsetele ja transradikulaarsetele implantaatidele ning intraokulaarsetele läätsedele. Arvestades ohutusnõudeid, esitab see standard nõuded ja katsed kavatsatud toimingule, kavandi omadustele, materjalidele ja kavandi hinnangule, tootmisele, steriliseerimisele, pakendamisele ja tootja antavale informatsioonile.

Keel en

Asendab EVS-EN ISO 14630:2008

**prEN ISO 21534**

Identne prEN ISO 21534:2008

ja identne ISO 21534:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Liigest asendavad implantaadid. Erinõuded**

Käesolev standard esitab erinõuded liigest asendavatele täis- ja osaimplantaatidele, tehisligamentidele ja luutsemendile, millele siit alates viidatakse kui lihtsalt "implantaatidele". Käesoleva standardi tarvis on tehisligamentid ja nendega seotud kinnitusvahendid mahutatud terminisse implantaadid ning siit alates on neile viidatud kui lihtsalt "implantaatidele".

Keel en

Asendab EVS-EN ISO 21534:2007

**prEN ISO 21535**

Identne prEN ISO 21535:2008

ja identne ISO 21535:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Liigeste asendusimplantaadid. Erinõuded puusaliigese asendusimplantaadile**

This International Standard provides specific requirements for hip joint replacement implants. With regard to safety, the standard gives requirements for intended performance, design attributes, materials, design valuation, manufacture, sterilization, packaging and information supplied by the manufacturer, and methods of test.

Keel en

Asendab EVS-EN ISO 21534:2007

**prEN ISO 21536**

Identne prEN ISO 21536:2008

ja identne ISO 21536:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Liigeste asendusimplantaadid. Erinõuded põlveliigese asendusimplantaadile**

This International Standard provides specific requirements for knee joint replacement implants. With regard to safety, this International Standard specifies requirements for intended performance, design attributes, materials, design evaluation, manufacture, sterilization, packaging, information supplied by the manufacturer and methods of test

Keel en

Asendab EVS-EN ISO 21536:2007



### **prEN ISO 25539-1**

Identne prEN ISO 25539-1:2008

ja identne ISO 25539-1:2003+Amd 1:2005

Tähtaeg 1.03.2009

#### **Cardiovascular implants - Endovascular devices - Part 1: Endovascular prostheses**

1.1 This part of ISO 25539 specifies requirements for endovascular prostheses, based upon current medical knowledge. With regard to safety, it gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization packaging and information supplied by the manufacturer. It should be considered as a supplement to ISO 14630, which specifies general requirements for the performance of non-active surgical implants. 1.2 This part of ISO 25539 is applicable to endovascular prostheses used to treat arterial aneurysms, arterial stenoses, or other appropriate vascular abnormalities. 1.3 This part of ISO 25539 is applicable to delivery systems if they comprise an integral component of the deployment of the endovascular prostheses. 1.4 This part of ISO 25539 is not applicable to vascular occluders, with the exception of contra-lateral iliac occluders when used as an integral part of an aorto-uni-iliac device. See ISO 14630 for excluded products. 1.5 This part of ISO 25539 is not applicable to procedures and devices used prior to the introduction of the endovascular system (defined in 3.6), such as balloon angioplasty devices.

Keel en

### **prEN ISO 25539-2**

Identne prEN ISO 25539-2:2008

ja identne ISO 25539-2:2008

Tähtaeg 1.03.2009

#### **Südame-veresoonkonna implantaadid.**

##### **Soonesisesed vahendid. Osa 2: Arteriaalpingutid**

1.1 This part of ISO 25539 specifies requirements for vascular stents, based upon current medical knowledge. With regard to safety, it gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer. It should be considered as a supplement to ISO 14630, which specifies general requirements for the performance of non-active surgical implants.

Keel en

Asendab EVS-EN ISO 25539-2:2008

## **13 KESKKONNA- JA TERVISEKAITSE. OHUTUS**

### **UUED STANDARDID**

#### **CEN/TR 12566-5:2008**

Hind 219,00

Identne CEN/TR 12566-5:2008

##### **Small wastewater treatment systems up to 50 PT - Part 5: Pre-treated Effluent Filtration systems**

This Technical Report provides details of filtration systems used for applications ranging from a single house up to and included 50 PT. The filtration systems receive domestic wastewater from septic tanks manufactured according to the requirements given in EN 12566-1 and EN 12566-4. This document is a code of practice and gives design parameters, construction details, installation and component requirements for constructed sand filters and subsurface flow sand or gravel reed beds.

Keel en

#### **CEN/TR 15473:2007**

Hind 256,00

Identne CEN/TR 15473:2007

##### **Characterization of sludges - Good practice for sludges drying**

This CEN Technical report describes good practices for sludge drying and it is one of a series on sludge management options. It gives guidance on - drying processes, - the characteristics of dried sludge products, - the recycling or disposal of dried sludge products, from urban wastewater treatment plants.

Keel en

#### **CEN/TS 15674:2007**

Hind 166,00

Identne CEN/TS 15674:2007

##### **Air quality - Measurement of stationary source emissions - Guidelines for the elaboration of standardised methods**

This document gives recommendations and specifies requirements for the elaboration of standardised reference methods of measurement for the field of stationary source emissions by CEN/TC 264, with or without reference to accreditation. It aims at facilitating in the working groups the elaboration and the harmonisation of the standards produced by CEN/TC 264. This document aims at ensuring that the specific requirements specified in prCEN/TS 15675 are taken on board in the individual measurement standards either directly or by reference to prEN 15259. This document specifies terms and definitions for use in other air quality standards. This document elaborates the CEN rules as given in CEN/BOSS and in the Internal Regulations Part 3 (PNE rules) in the field of stationary source emissions.

Keel en

#### **CEN/TS 15730:2008**

Hind 198,00

Identne CEN/TS 15730:2008

ja identne ISO/TR 25398:2006

##### **Earth-moving machinery - Guidelines for assessment of exposure to whole-body vibration of ride-on machines - Use of harmonized data measured by international institutes, organizations and manufacturers**

This Technical Report provides guidelines for those such as employers, national authorities and manufacturers of earth-moving machinery who are required to determine, assess and document the daily whole-body vibration exposure for ride-on machines as defined in ISO 6165. It also provides guidelines for reducing vibration levels on machines and for determining the vibration reduction from machine improvements to reduce vibration levels. It is intended to assist in establishing documentation for specific earth-moving machinery under typical operating conditions.

Keel en

**CLC/TS 45545-5:2008**

Hind 135,00

Identne CLC/TS 45545-5:2008

**Raudteelased rakendused. Raudteeveeremi tuleohutus. Osa 5: Tuleohutusnõuded elektriseadmetele, kaasa arvatud trollibusside, rööbasbusside ja magnethõljukrongide elektriseadmed**

This Part 5 specifies the fire safety requirements for electrical equipment on railway vehicles, including that of trolley buses, track guided buses and magnetic levitation vehicles. The measures and requirements, specified in this Technical Specification meet the objective of protecting passengers and staff in railway vehicles in the event of a fire on board by: – minimizing the risk of starting a fire both during operation and as a result of technical defect and/or malfunction of the electrical equipment; – ensuring that electrical emergency equipment continues to be available until evacuation is complete. It is not within the scope of this Technical Specification to describe measures which ensure the preservation of the electrical equipment in the event of a fire on board.

Keel en

Asendab CLC/TS 45545-5:2004

**CLC/TS 50131-7:2008**

Hind 256,00

Identne CLC/TS 50131-7:2008

**Alarm systems - Intrusion and hold-up systems - Part 7: Application guidelines**

These application guidelines include guidance on the design, planning, operation, installation, commissioning and maintenance of I&HAS installed in buildings. Requirements for I&HAS are specified in EN 50131-1:2006. The recommendations of this Technical Specification (TS) also apply to IAS and HAS when these systems are installed independently. When an I&HAS does not include functions relating to the detection of intruders, the requirements relating to intrusion detection do not apply. When an I&HAS does not include functions relating to hold-up, the requirements relating to hold-up do not apply.

Keel en

Asendab CLC/TS 50131-7:2003

**EVS-EN 671-3:2005/AC:2005**

Hind 0,00

Identne EN 671-3:2000/AC:2000

**Fixed firefighting systems - Hose systems - Part 3: Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose**

Keel de

**EVS-EN 842:1999+A1:2008**

Hind 124,00

Identne EN 842:1996+A1:2008

**Masinate ohutus. Visuaalsed ohusignaalid. Üldnõuded, kujundus ja katsetamine KONSOLIDEERITUD TEKST**

This European Standard describes criteria for the perception of visual danger signals in the area that people are intended to perceive and to react to such a signal. It specifies the safety and ergonomic requirements and the corresponding physical measurements and subjective visual check. It also provides guidance for the design of the signals to be clearly perceived and differentiated as described in 5.3 of EN 292-2:1991. This European Standard does not apply to danger indicators: - Presented in either written or pictorial form; - Transmitted by data display units. This European Standard does not apply to special regulations such as those for public disaster and public transport.

Keel en

Asendab EVS-EN 842:1999

**EVS-EN 981:1999+A1:2008**

Hind 124,00

Identne EN 981:1996+A1:2008

**Masinate ohutus. Heliliste ja visuaalsete ohu- ja teabesignaalide süsteem KONSOLIDEERITUD TEKST**

To reduce risks associated with misinterpretation of visual and auditory danger signals, a system of danger and information signals is specified taking into account the different degrees of urgency. This European Standard is applicable to all danger and information signals which have to be clearly perceived and differentiated as specified in 5.3 of EN 292-2:1991, by other requirements or by the work situation, and to all degrees of urgency – from extreme urgency to an ALL CLEAR situation. Where visual signals are to be complementary to sound signals, the signal character is specified for both.

Keel en

Asendab EVS-EN 981:1999

**EVS-EN 1634-2:2008**

Hind 256,00

Identne EN 1634-2:2008

**Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 2: Fire resistance characterisation test for elements of building hardware**

This European Standard specifies a method for characterizing the influence on fire performance of items of building hardware for incorporation into hinged or pivoted vertically installed fire door assemblies (having either one or two leaves) or vertically installed openable window assemblies, of known fire resistance of up to and including 240 minutes integrity (and where relevant insulation) in accordance with EN 1634-1. It applies to the testing of building hardware for use on hinged and pivoted doors and openable windows which include framed glazed doors and windows, but not glass doors. It does not include a test for durability or other performance characteristics, which should be evaluated according to the product standard for the item of building hardware or as given in EN 14600.

Keel en

**EVS-EN 12941:1999/A2:2008**

Hind 92,00

Identne EN 12941:1998/A2:2008

**Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisvahendid, millel on kiiver või kapuuts.****Nõuded, katsetamine, märgistus**

Käesolev Euroopa standard määrab kindlaks miinimumnõuded sundventilatsiooniga filtreerimisvahenditele, mille hulka kuulub kiiver või kapuuts koos gaasifiltriga, tahkete osakeste filtriga või kombineeritud filtriga (filtritega). Hõlmatud ei ole seadiseid, mis on ette nähtud kasutamiseks tingimustes, kus esineb või võib esineda hapnikuvaegus (hapnikku on vähem kui 17 mahuprotsenti). Seega ei hõlma standard ohupiirkonnast pääsemiseks kasutatavaid hingamisteede kaitsevahendeid.

Keel en

**EVS-EN 12942:1999/A2:2008**

Hind 92,00

Identne EN 12942:1998/A2:2008

**Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisvahendid, millel on täismaskid, poolmaskid või veerandmaskid. Nõuded, katsetamine, märgistus**

Käesolev Euroopa standard määrab kindlaks miinimumnõuded hingamisteede sundventilatsiooniga kaitsevahenditele, mille hulka kuulub täismask, poolmask või veerandmask koos gaasifiltriga, tahkete osakeste filtriga või kombineeritud filtriga. Hõlmatud ei ole seadiseid, mis on ette nähtud kasutamiseks tingimustes, kus esineb või võib esineda hapnikuvaegus (hapnikku on vähem kui 17 mahuprotsenti). Seega ei hõlma standard ohupiirkonnast pääsemiseks kasutatavaid hingamisteede kaitsevahendeid.

Keel en

**EVS-EN 13081:2008**

Hind 135,00

Identne EN 13081:2008

**Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and coupler**

This European Standard covers the vapour collection adaptor and coupler used to achieve a vapour tight path between the transport tank and the stationary loading and unloading facilities. This European Standard specifies the performance requirements and the critical dimensions of the vapour recovery adaptor fitted to the tank and the mating coupler fitted to a hose or to pipework connected to the stationary loading and unloading facilities. It also specifies the tests necessary to verify the compliance of the equipment with this standard. The equipment specified by this European Standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa, at 50 °C and petrol, and which have no sub-classification as toxic or corrosive.

Keel en

Asendab EVS-EN 13081:2001

**EVS-EN 13082:2008**

Hind 124,00

Identne EN 13082:2008

**Tanks for transport of dangerous goods - Service equipment for tanks - Vapour transfer valve**

This European Standard covers the vapour transfer valve, used for the transfer of vapour between the tank compartment and the pipework connecting to the vapour collection adaptor. This European Standard specifies the performance requirements and the critical dimensions of the vapour transfer valve. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no sub-classification as toxic or corrosive.

Keel en

Asendab EVS-EN 13082:2001

**EVS-EN 13083:2008**

Hind 145,00

Identne EN 13083:2008

**Tanks for transport of dangerous goods - Service equipment for tanks - Adaptor for bottom loading and unloading**

This European Standard covers externally actuated and self actuated adaptors for bottom loading and unloading. This European Standard specifies the performance requirements and the critical dimensions of the adaptor for bottom loading and unloading. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no subclassification as toxic or corrosive.

Keel en

Asendab EVS-EN 13083:2001

**EVS-EN 13725:2005/AC:2006**

Hind 0,00

Identne EN 13725:2003/AC:2006

**Õhukvaliteet - Lõhnaainete kontsentratsiooni määramine dünaamilise olfaktomeetria abil**

Keel en

**EVS-EN 14116:2007+A1:2008**

Hind 219,00

Identne EN 14116:2007+A1:2008

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

This European Standard covers the digital interface at the product loading and/or discharge coupling which shall be used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices

Keel en

Asendab EVS-EN 14116:2007

**EVS-EN 15170:2008**

Hind 166,00

Identne EN 15170:2008

**Characterization of sludges - Determination of calorific value**

This European Standard specifies a method for the determination of the gross calorific value of sludge at constant volume and at the reference temperature 25 °C in a bomb calorimeter calibrated by combustion of certified benzoic acid. The result obtained is the gross calorific value of the sample at constant volume with both the water of the combustion products and the moisture of the sludge as liquid water. In practice, sludges are burned at constant (atmospheric) pressure and the water is not condensed but is removed as vapour with the flue gases. Under these conditions, the operative heat of combustion to be used is the net calorific value of the fuel at constant pressure. In this European Standard the net calorific value at constant volume is described as it requires less additional determinations. This method is applicable to all kinds of sludges.

Keel en

**EVS-EN 15483:2008**

Hind 271,00

Identne EN 15483:2008

**Ambient air quality - Atmospheric measurements near ground with FTIR spectroscopy**

This European Standard is applicable to open-path absorption measurements of 'concentration x path length' product using the Fourier transform infrared (FTIR) technique with an artificial radiation source. It is applicable to the continuous measurement of infrared active organic and inorganic compounds in the gaseous state in ambient air using fixed tropospheric open paths up to approximately 1 km in length and provides a spatial average.

Keel en

**EVS-EN 60335-2-11:2003/A11:2008**

Hind 68,00

Identne EN 60335-2-11:2003/A11:2008

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-11: Erinõuded trummelkuivatitele**

Deals with the safety of electric tumble dryers intended for household and similar purposes. The rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to the drying function of washing machines having a drying cycle

Keel en

**EVS-EN 60335-2-27:2003/A1:2008**

Hind 135,00

Identne EN 60335-2-27:2003/A1:2008

ja identne IEC 60335-2-27:2002/A1:2004

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-27: Erinõuded naha ultraviolet- ja infrapunakiiritusseadmetele**

Deals with the safety of appliances for skin exposure to ultraviolet or infrared radiation, intended for normal household as well as tanning salon and beauty parlour use. Appliance rated voltage being not more than 250 V single phase and 480 V for other a

Keel en

**EVS-EN 60335-2-27:2003/A2:2008**

Hind 145,00

Identne EN 60335-2-27:2003/A2:2008

ja identne IEC 60335-2-27:2002/A2:2007

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-27: Erinõuded naha ultraviolet- ja infrapunakiiritusseadmetele**

Deals with the safety of appliances for skin exposure to ultraviolet or infrared radiation, intended for normal household as well as tanning salon and beauty parlour use. Appliance rated voltage being not more than 250 V single phase and 480 V for other a

Keel en

**EVS-EN 61230:2008**

Hind 271,00

Identne EN 61230:2008

ja identne IEC 61230:2008

**Pingealune töö. Kantavad maandamis- või maandamis- ning lühistamisgarnituurid**

This International Standard is applicable to portable equipment, with or without matching connection points, for temporary earthing or earthing and short-circuiting of electrically isolated or de-energized a.c. and d.c. installations, distribution and transmission networks, whether they are overhead or underground or of low or high voltage.

Keel en

Asendab EVS-EN 61230:2001

**EVS-EN ISO 7096:2008**

Hind 178,00

Identne EN ISO 7096:2008

ja identne ISO 7096:2000

**Mullatöömasinad. Operaatori istme vibratsiooni laboratoorne hindamine**

This International Standard specifies, in accordance with ISO 10326-1, a laboratory method for measuring and evaluating the effectiveness of the seat suspension in reducing the vertical whole-body vibration transmitted to the operator of earth-moving machines at frequencies between 1 Hz and 20 Hz. It also specifies acceptance criteria for application to seats on different machines.

Keel en

Asendab EVS-EN ISO 7096:2000

**EVS-EN ISO 7731:2008**

Hind 166,00

Identne EN ISO 7731:2008

ja identne ISO 7731:2003

**Ergonoomika. Üldkasutatavates tsoonides ja töökohal kasutatavad ohusignaalid. Helisignaalid**

This International Standard specifies the physical principles of design, ergonomic requirements and the corresponding test methods for danger signals for public and work areas in the signal reception area and gives guidelines for the design of the signals. It may also be applied to other appropriate situations. The relevance given in the definitions as to the difference between an auditory emergency signal, auditory emergency evacuation signal and an auditory warning signal should be noted. The emergency evacuation signal is covered in ISO 8201. This International Standard does not apply to verbal danger warnings (e.g. shouts, loudspeaker announcements). ISO 9921 covers verbal danger signals. Special regulations such as those for a public disaster and public transport are not affected by this International Standard.

Keel en

Asendab EVS-EN ISO 7731:2005

**EVS-EN ISO 9241-300:2008**

Hind 114,00

Identne EN ISO 9241-300:2008

ja identne ISO 9241-300:2008

**Ergonomics of human-system interaction - Part 300: Introduction to electronic visual display requirements**

This part of ISO 9241 provides an introduction to the other parts in the ISO 9241 "300" subseries, and explains its modular structure. The ISO 9241 "300" subseries establishes requirements for the ergonomic design of electronic visual displays. These requirements are stated as performance specifications, aimed at ensuring effective and comfortable viewing conditions for users with normal or adjusted-to-normal eyesight. Test methods and metrology, yielding conformance measurements and criteria, are provided for design evaluation. The ISO 9241 "300" subseries is applicable to the visual ergonomics design of electronic visual displays for a diversity of tasks in a wide variety of work environments.

Keel en

**EVS-EN ISO 9241-302:2008**

Hind 315,00

Identne EN ISO 9241-302:2008

ja identne ISO 9241-302:2008

**Ergonomics of human-system interaction - Part 302: Terminology for electronic visual displays**

This part of ISO 9241 provides a comprehensive terminology for electronic visual displays and explains the terms and definitions used in the other parts of ISO 9241.

Keel en

**EVS-EN ISO 9241-303:2008**

Hind 243,00

Identne EN ISO 9241-303:2008

ja identne ISO 9241-303:2008

**Ergonomics of human-system interaction - Part 303: Requirements for electronic visual displays**

This part of ISO 9241 establishes image-quality requirements, as well as providing guidelines, for electronic visual displays. These are given in the form of generic — independent of technology, task and environment — performance specifications and recommendations that will ensure effective and comfortable viewing conditions for users with normal or adjusted-to-normal eyesight. This part of ISO 9241 does not address issues of accessibility for people with disabilities. However, it does take into account aspects of the eyesight of older people and could be of value to people dealing with issues of visual impairment in certain cases: the specification of essential characteristics for normal viewing can be used to gauge the severity of different visual abnormalities so that appropriate solutions can be identified.

Keel en

**EVS-EN ISO 9241-304:2008**

Hind 166,00

Identne EN ISO 9241-304:2008

ja identne ISO 9241-304:2008

**Ergonomics of human-system interaction - Part 304: User performance test methods for electronic visual displays**

This part of ISO 9241 provides guidance for assessing the visual ergonomics of display technologies with user performance test methods (as opposed to the optical test methods given in ISO 9241-305). Its use will help to ensure that, for a given context of use, a display meets minimum visual ergonomics requirements. It covers only visual attributes and does not address the ergonomics or usability of the whole product that houses a visual display.

Keel en

**EVS-EN ISO 9241-305:2008**

Hind 394,00

Identne EN ISO 9241-305:2008

ja identne ISO 9241-305:2008

**Ergonomics of human-system interaction - Part 305: Optical laboratory test methods for electronic visual displays**

This part of ISO 9241 establishes optical test and expert observation methods for use in predicting the performance of a display vis-à-vis the ergonomics requirements given in ISO 9241-303.

Keel en

**EVS-EN ISO 9241-306:2008**

Hind 243,00

Identne EN ISO 9241-306:2008

ja identne ISO 9241-306:2008

**Ergonomics of human-system interaction - Part 306: Field assessment methods for electronic visual displays**

This part of ISO 9241 establishes optical, geometrical and visual inspection methods for the assessment of a display in various contexts of use according to ISO 9241-303.

Keel en

**EVS-EN ISO 9241-307:2008**

Hind 415,00

Identne EN ISO 9241-307:2008

ja identne ISO 9241-307:2008

**Ergonomics of human-system interaction - Part 307: Analysis and compliance test methods for electronic visual displays**

This part of ISO 9241 establishes test methods for the analysis of a variety of visual display technologies, tasks and environments. It uses the measurement procedures of ISO 9241-305 and the generic requirements of ISO 9241-303 to define compliance routes suitable for the different technologies and intended context of use.

Keel en

**EVS-EN ISO 11348-1:2008**

Hind 178,00

Identne EN ISO 11348-1:2008

ja identne ISO 11348-1:2007

**Water quality - Determination of the inhibitory effect of watersamples on the light emission of Vibrio fischeri (Luminescentbacteria test) - Part 1: Method using freshly prepared bacteria**

ISO 11348 describes three methods for determining the inhibition of the luminescence emitted by the marine bacterium *Vibrio fischeri* (NRRL B-11177). This part of ISO 11348 specifies a method using freshly prepared bacteria. This method is applicable to: - waste water; - aqueous extracts and leachates; - fresh water (surface and ground water); - sea and brackish water; - eluates of sediment (fresh water, brackish and sea water); - pore water; - single substances, diluted in water.

Keel en

Asendab EVS-EN ISO 11348-1:2001

**EVS-EN ISO 11348-2:2008**

Hind 166,00

Identne EN ISO 11348-2:2008

ja identne ISO 11348-2:2007

**Water quality - Determination of the inhibitory effect of watersamples on the light emission of Vibrio fischeri (Luminescentbacteria test) - Part 2: Method using liquid-dried bacteria**

ISO 11348 describes three methods for determining the inhibition of the luminescence emitted by the marine bacterium *Vibrio fischeri* (NRRL B-11177). This part of ISO 11348 specifies a method using liquid-dried bacteria. This method is applicable to: - waste water; - aqueous extracts and leachates; - fresh water (surface water and ground water); - sea water and brackish water; - eluates of sediment (fresh water, brackish water and sea water); - pore water; - single substances, diluted in water.

Keel en

Asendab EVS-EN ISO 11348-2:2001

**EVS-EN ISO 11348-3:2008**

Hind 166,00

Identne EN ISO 11348-3:2008

ja identne ISO 11348-3:2007

**Water quality - Determination of the inhibitory effect of watersamples on the light emission of Vibrio fischeri (Luminescentbacteria test) - Part 3: Method using freeze-dried bacteria**

ISO 11348 describes three methods for determining the inhibition of the luminescence emitted by the marine bacterium *Vibrio fischeri* (NRRL B-11177). This part of ISO 11348 specifies a method using freeze-dried bacteria. This method is applicable to: - waste water; - aqueous extracts and leachates; - fresh water (surface and ground water); - sea and brackish water; - eluates of sediment (freshwater, brackish and sea water); - pore water; - single substances, diluted in water.

Keel en

Asendab EVS-EN ISO 11348-3:2001

**EVS-EN ISO 11612:2008**

Hind 188,00

Identne EN ISO 11612:2008

ja identne ISO 11612:2008

**Kaitserietus. Kuumuse ja leekide eest kaitset pakkuv riietus**

This International Standard specifies performance requirements for garments made from flexible materials, which are designed to protect the wearer's body, except the hands, from heat and/or flame. For protection of the wearer's head and feet, the only items of protective clothing falling within the scope of this International Standard are gaiters, hoods and overboots. However, concerning hoods, requirements for visors and respiratory equipment are not given. The performance requirements set out in this International Standard are applicable to garments which could be worn for a wide range of end uses, where there is a need for clothing with limited flame spread properties and where the user can be exposed to radiant or convective or contact heat or to molten metal splashes. This International Standard is not applicable to protective clothing that is specified by other International Standards, such as for firefighting in structures and for use in welding and allied processes.

Keel en

Asendab EVS-EN 531:1999

**EVS-EN ISO 13732-1:2008**

Hind 229,00

Identne EN ISO 13732-1:2008

ja identne ISO 13732-1:2006

**Soojuskeskkondade ergonoomika. Meetodid, millega hinnata inimese reaktsiooni kokkupuutel pinnaga.****Osa 1: Kuumad pinnad**

This part of ISO 13732 provides temperature threshold values for burns that occur when human skin is in contact with a hot solid surface. It also describes methods for the assessment of the risks of burning, when humans could or might touch hot surfaces with their unprotected skin. This part of ISO 13732 also gives guidance for cases where it is necessary to specify temperature limit values for hot surfaces; it does not set surface temperature limit values.

Keel en

Asendab EVS-EN ISO 13732-1:2006

**EVS-EN ISO 13732-3:2008**

Hind 178,00

Identne EN ISO 13732-3:2008

ja identne ISO 13732-3:2005

**Soojuskeskkondade ergonoomika. Meetodid, millega hinnata inimese reaktsiooni kokkupuutel pinnaga.****Osa 3: Külmad pinnad**

This European Standard describes methods for the assessment of the risk of cold injury and other adverse effects when a cold surface is touched by bare hand/finger skin. This standard provides ergonomics data to establish temperature limit values for cold solid surfaces. The values established can be used in the development of special standards, where surface temperature limit values are required. The data of this standard will be applicable to all fields where cold solid surfaces cause a risk of acute effects: pain, numbness and frostbite. The data are not limited to the hands but apply to human skin in general. The standard is applicable to the healthy skin of adults (females and males). Considerations on the extension of applications are given in Annex B.

Keel en

Asendab EVS-EN ISO 13732-3:2006

### **EVS-EN ISO 14738:2008**

Hind 209,00

Identne EN ISO 14738:2008

ja identne ISO 14738:2002+Cor.2:2005

#### **Masinate ohutus . Antropomeetrilised nõuded masinate tööjaamade kavandamisele**

This International Standard establishes principles for deriving dimensions from anthropometric measurements and applying them to the design of workstations at non-mobile machinery. It is based on current ergonomic knowledge and anthropometric measurements. This International Standard specifies the body's space requirements for equipment during normal operation in sitting and standing positions. This International Standard does not specifically include space demands for maintenance, repairing and cleaning work. This International Standard does not give recommendations specifically for visual display terminal workstations and machinery. For this purpose ISO 9241-5 can be used in conjunction with this International Standard. Situations where people are to be prevented from reaching a hazard are dealt with in ISO 13852.

Keel en

Asendab EVS-EN ISO 14738:2002

### **EVS-EN ISO 15088:2008**

Hind 124,00

Identne EN ISO 15088:2008

ja identne ISO 15088:2007

#### **Water quality - Determination of the acute toxicity of waste water to zebrafish eggs (Danio rerio)**

This International Standard specifies a method for the determination of degrees of dilution or of concentrations as a measure of the acute toxic effect of waste water to fish eggs within 48 h. This International Standard is also applicable to treated municipal waste water and industrial effluents.

Keel en

### **EVS-EN ISO 15536-1:2008**

Hind 135,00

Identne EN ISO 15536-1:2008

ja identne ISO 15536-1:2005

#### **Ergonoomika. Arvutil simuleeritud mannekeenid ja kehamallid. Osa 1: Üldnõuded**

This part of ISO 15536 establishes the general requirements for the design and development of computer manikins, body templates and manikin systems. It addresses their anthropometric and biomechanical properties, taking into account their usability and restrictions for structural complexity and functional versatility, and is also intended as a guide for the selection of manikins and manikin systems and for the evaluation of their accuracy and usability for the specified use. It specifies the documentation of the characteristics of manikins and manikin systems and their intended use, for the guidance of their users. It provides means for ensuring that computer manikins and body templates for the design of work space are appropriately accurate and reliable in their anthropometric and biomechanical aspects. It aims to ensure that users of manikins are able to choose an appropriate manikin system for particular design tasks and use it in an appropriate way. It sets requirements only on the static accuracy of the manikin, but provides recommendations on the other factors that can influence the accuracy of the analyses and determinations performed using them.

Keel en

Asendab EVS-EN ISO 15536-1:2005

### **EVS-EN ISO 22868:2008**

Hind 188,00

Identne EN ISO 22868:2008

ja identne ISO 22868:2005

#### **Metsandusmasinad. Käes kantavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehniline meetod (täpsusklass 2)**

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

Keel en

Asendab EVS-EN ISO 22868:2006

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **CLC/TS 45545-5:2004**

Identne CLC/TS 45545-5:2004

#### **Railway applications – Fire protection on railway vehicles Part 5: Fire safety requirements for electrical equipment including that of trolley buses, track guided buses and magnetic levitation vehicles**

This Technical Specification specifies the fire safety requirements for electrical equipment on railway vehicles, including that of trolley buses, track guided buses and magnetic levitation vehicles. The measures and requirements, specified in this Technical Specification meet the objective of protecting passengers and staff in railway vehicles in the event of a fire on board by: - minimising the risk of starting a fire both during operation and as a result of technical defect and/or malfunction of the electrical equipment; - ensuring that electrical emergency equipment continues to be available until evacuation is complete. It is not within the scope of this Technical Specification to describe measures which ensure the preservation of the electrical equipment in the event of a fire on board.

Keel en

Asendatud CLC/TS 45545-5:2008

#### **CLC/TS 50131-7:2003**

Identne CLC/TS 50131-7:2003

#### **Alarm systems Intrusion systems Part 7: Application guidelines**

These application guidelines include guidance on the design, planning, operation, installation, commissioning and maintenance of IAS installed in buildings.

Requirements for IAS are specified in EN 50131-1

Keel en

Asendatud CLC/TS 50131-7:2003

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 13034:2005/prA1**

Identne EN 13034:2005/prA1:2008

Tähtaeg 1.03.2009

#### **Protective clothing against liquid chemicals - Performance requirements for chemical protective suits offering limited protective performance against liquid chemicals (Type 6 equipment)**

This document specifies the minimum requirements for limited use and re-useable limited performance chemical protective clothing. Limited performance chemical protective clothing is intended for use in cases of a potential exposure to a light spray, liquid aerosols or low pressure, low volume splashes, against which a complete liquid permeation barrier (at the molecular level) is not required.

Keel en

### **EN 14605:2005/prA1**

Identne EN 14605:2005/prA1:2008

Tähtaeg 1.03.2009

#### **Kaitseriietus kaitsmiseks vedelate kemikaalide eest. Vedelikukindlate (tüüp 3) või pritsmekindlate (tüüp 4) ühendustega riietusele, kaasa arvatud üksnes erinevaid kehaosi kaitsvad esemed, esitatavad toimimisnõuded (Tüübid PB [3] ja PB [4])**

This European Standard specifies the minimum requirements for the following types of limited use and reusable chemical protective clothing: clothing with liquid-tight connections between different parts of the clothing (type 3: liquid-tight clothing) and, if applicable, with liquid-tight connections to component parts, such as hoods, gloves, boots, visors or respiratory protective equipment, which may be specified in other European Standards. Such garments are full-body protective clothing, such as one-piece coveralls or two-piece suits, with or without hood or visors, with or without boot-socks or overbooties, with or without gloves

Keel en

### **EN 60335-1:2003/A13**

Identne EN 60335-1:2002/A13:2008

Tähtaeg 1.03.2009

#### **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 60335-2-60:2003/FprAB**

Identne EN 60335-2-60:2003/FprAB:2008

Tähtaeg 1.03.2009

#### **Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas**

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

Keel en

### **EN 60335-2-103:2003/FprAA**

Identne EN 60335-2-103:2003/FprAA:2008

Tähtaeg 1.03.2009

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele**

Deals with the safety of electric drives for horizontally and vertically moving gates, doors and windows, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Some examples of drives within the scope of this standard are folding doors, revolving doors, rolling doors, roof windows, sectional overhead doors, swinging and sliding gates and doors.

Keel en

### **EN 60335-2-105:2005/FprAA**

Identne EN 60335-2-105:2005/FprAA:2008

Tähtaeg 1.03.2009

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

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

Keel en

### **EN ISO 11161:2007/prA1**

Identne EN ISO 11161:2007/prA1:2008

ja identne ISO 11161:2007/DAM 1:2008

Tähtaeg 1.03.2009

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

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

Keel en



**FprEN 60832-1**

Identne FprEN 60832-1:2008

ja identne IEC 60832-1:200X

Tähtaeg 1.03.2009

**Live working - Insulating sticks and attachable devices - Part 1: Insulating sticks**

This part of IEC 60832 gives the essential requirements for insulating sticks for live working for use on a.c. electrical installations. Part 2 of IEC 60832 covers devices that can be attached onto and removed from the fitting of the insulating sticks as covered by Part 1.

Keel en

Asendab EVS-EN 60832:2008

**FprEN 60832-2**

Identne FprEN 60832-2:2008

ja identne IEC 60832-2:200X

Tähtaeg 1.03.2009

**Live working - Insulating sticks and attachable devices - Part 2: Attachable devices**

This part of IEC 60832 gives the essential requirements for devices that can be attached onto and removed from the fitting of the insulating sticks for live working as covered by Part 1, for use on a.c. electrical installations. Part 1 of IEC 60832 covers insulating sticks. In this part of the standard, the term "device" is used for "attachable device", unless otherwise specified.

Keel en

Asendab EVS-EN 60832:2008

**prEN 1147**

Identne prEN 1147:2008

Tähtaeg 1.03.2009

**Portable ladders for fire service use**

This European Standard specifies requirements, test methods and performance criteria for portable ladders for fire and rescue service use and associated purposes. Non-portable ladders for fire and rescue service use are excluded from this standard. NOTE For ladders for other uses see EN 131.

Keel en

Asendab EVS-EN 1147:2000

**prEN 13381-4**

Identne prEN 13381-4:2008

Tähtaeg 1.03.2009

**Test methods for determining the contribution to the fire resistance of structural members - Part 4:****Applied passive protection products to steel members**

This part of this European Standard specifies a test method for determining the contribution made by applied fire protection systems to the fire resistance of structural steel members, which can be used as beams, columns or tension members. The evaluation is designed to cover a range of thicknesses of the applied fire protection material, a range of steel sections, characterized by their section factors, a range of design temperatures and a range of valid fire protection classification periods. This European Standard applies to fire protection materials where the gap between the material and the flange faces of the steel member is less than 5 mm in size. Otherwise, the test methods in EN 13381-1 or EN 13381-2, as appropriate, apply.

Keel en

**prEN 15767-3**

Identne prEN 15767-3:2008

Tähtaeg 1.03.2009

**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 prEN 15767-1, this part of this European standard applies to devices designed for aspirating air and projecting low expansion foam and, in some cases, inducing foam concentrate. It specifies requirements for safety, performance, classification and designation, as well as test methods, instructions for use and maintenance and marking  
NOTE It is the responsibility of the operator to ensure that, when using a combination of foam device and monitor body that is not recommended by a manufacturer, the combination is stable and safe when in operation. 1.2 This European Standard is not applicable to foam devices which are manufactured before its date of publication.

Keel en

**prEN 15889**

Identne prEN 15889:2008

Tähtaeg 1.03.2009

**Fire-fighting hoses - Test methods**

This document details specific test methods for layflat, semi-rigid and suction fire fighting-hoses. The described test methods are recommended for standards for firefighting hoses. Applicable methods are to be selected and requirements and test values have to be defined in the relevant fire hose standards. Annex U (informative) lists the existing published ISO and or EN hose test methods standards that are specified within Fire hose standards.

Keel en

**prEN ISO 1182**

Identne prEN ISO 1182:2008

ja identne ISO/DIS 1182:2008

Tähtaeg 1.03.2009

**Reaction to fire tests for building and transport products - Non-combustibility test**

This International Standard specifies a method of test for determining the non-combustibility performance, under specified conditions, of homogeneous products and substantial components of non-homogeneous products. Information on the precision of the test method is given in annex A.

Keel en

Asendab EVS-EN ISO 1182:2002

**prEN ISO 1716**

Identne prEN ISO 1716:2008

ja identne ISO/DIS 1716:2008

Tähtaeg 1.03.2009

**Reaction to fire tests for building and transport products - Determination of the heat of combustion**

This International Standard specifies a method for the determination of the heat of combustion of products at constant volume in a bomb calorimeter. This International Standard describes a test method for the measurement of the gross heat of combustion (PCS). Annex A describes the calculation of the net heat of combustion (PCI) when required. Information on the precision of the test method is given in Annex B.

Keel en

Asendab EVS-EN ISO 1716:2002

## prEN ISO 9239-1

Identne prEN ISO 9239-1:2008  
ja identne ISO/DIS 9239-1:2008  
Tähtaeg 1.03.2009

### Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source

This International Standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames. Annex A gives details of assessing the smoke development, when required. This method is applicable to all types of flooring e.g. textile carpet, cork, wood, rubber and plastic coverings as well as coatings. Results obtained by this method reflect the performance of the flooring, including any substrate if used. Modifications of the backing, bonding to a substrate, underlay or other changes of the flooring may affect test results.

Keel en

Asendab EVS-EN ISO 9239-1:2002

## 17 METROLOOGIA JA MÕÖTMINE. FÜÜSIKALISED NÄHTUSED

### UUED STANDARDID

#### CLC/TR 61340-5-2:2008

Hind 295,00

Identne CLC/TR 61340-5-2:2008  
ja identne IEC/TR 61340-5-2:2007

#### Electrostatics -- Part 5-2: Protection of electronic devices from electrostatic phenomena - User guide

This technical report has been developed to support IEC 61340-5-1. The controls and limits referenced in this standard were developed to protect devices that are susceptible to discharges of 100 V or greater using the human body model test method. However, the general concepts are still valid for devices that are susceptible to discharges of less than 100 V.

Keel en

Asendab EVS-EN 61340-5-2:2002

#### EVS-EN 1265:2000+A1:2008

Hind 229,00

Identne EN 1265:1999+A1:2008

#### Masinate ohutus. Mürakatsekoodid valumasinatele ja seadmetele KONSOLIDEERITUD TEXT

This noise test code specifies all the information necessary to carry out efficiently and under standardized conditions the determination, declaration and verification of the noise emission values of several groups of foundry machinery. It specifies noise measurement methods that are available and operating and mounting conditions that shall be used for the test. Noise emission values include emission sound pressure levels at work stations and the sound power level. The determination of these quantities is necessary for: - manufacturers to declare the noise emitted; - comparing the noise emitted by machines in the group concerned; - purposes of noise control at the source at the design stage.

Keel en

Asendab EVS-EN 1265:2000

#### EVS-EN 13363-1:2003+A1:2007/AC:2008

Hind 0,00

Identne EN 13363-1:2003+A1:2007/AC:2008

#### Solar protection devices combined with glazing - Calculation of solar and light transmittance - Part 1: Simplified method

Keel en

#### EVS-EN 50492:2008

Hind 256,00

Identne EN 50492:2008

#### Inimesele põhijaama läheduses toimiva elektromagnetvälja tugevuse kohapealse mõõtmise põhistandard

This European Standard specifies in the vicinity of base station as defined in 3.2 the measurement methods, the measurement systems and the post processing that shall be used to determine in-situ the electromagnetic field for human exposure assessment in the frequency range 100 kHz to 300 GHz.

Keel en

#### EVS-EN 50496:2008

Hind 155,00

Identne EN 50496:2008

#### Töötajale toimiva elektromagnetvälja määramine ja riskihinnang ringhäälinguajaamas

The object of this standard is to provide methods for assessing compliance with the requirements of the Directive 2004/40/EC [8] at a site operating one or more broadcast transmitters. This standard covers the frequency range up to 40 GHz.

Keel en

#### EVS-EN ISO 648:2008

Hind 105,00

Identne EN ISO 648:2008

ja identne ISO 648:2008

#### Laboratory glassware - Single volume pipettes

This International Standard specifies metrological and constructional requirements for volumetric pipettes with one mark (total delivery) and for volumetric pipettes with two marks, both of which are adequate for general laboratory purposes. The details specified are in conformity with the principles of design and construction of volumetric glassware given in ISO 384.

Keel en

#### EVS-EN ISO 4373:2008

Hind 166,00

Identne EN ISO 4373:2008

ja identne ISO 4373:2008

#### Hydrometry - Water level measuring devices

This International Standard specifies the functional requirements of instrumentation for measuring the level of water surface (stage), primarily for the purpose of determining flow rates. This International Standard is supplemented by an annex providing guidance on the types of water level measurement devices currently available and the measurement uncertainty associated with them (see Annex A).

Keel en

### **EVS-EN ISO 14509-1:2008**

Hind 166,00

Identne EN ISO 14509-1:2008

ja identne ISO 14509-1:2008

#### **Väikelaevad. Lõbusõidulaevade õhu kaudu leviva müra mõõtmise. Osa 1: Mõõtmismeetodid vastassõitjast möödumisel**

This part of ISO 14509 specifies the conditions for obtaining reproducible and comparable measurement results of the maximum sound pressure level of airborne sound generated during the passage of powered recreational craft of up to 24 m length of hull, including inboards, stern drives, personal watercraft (PWC) and outboard motors. It also specifies standard craft based type tests for stern drives with integral exhaust systems and for outboard motors. It also specifies the procedure to be followed if, in addition to the maximum sound pressure level, the determination of the sound exposure level is desired. The accuracy grade of the acoustical test procedures specified in this part of ISO 14509 is engineering grade (grade 2).

Keel en

Asendab EVS-EN ISO 14509:2003; EVS-EN ISO 14509:2003/A1:2004

### **EVS-EN ISO 22868:2008**

Hind 188,00

Identne EN ISO 22868:2008

ja identne ISO 22868:2005

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

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

Keel en

Asendab EVS-EN ISO 22868:2006

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN ISO 3822-3:1999/prA1**

Identne EN ISO 3822-3:1997/prA1:2008

ja identne ISO 3822-3:1997/Damd1:2008

Tähtaeg 1.03.2009

#### **Akustika. Veevarustussüsteemis kasutatavate armatuuri ja seadmete poolt tekitatava müra laborikatsed. Osa 3: Torustikus paiknevate ventiilide ja armatuuri paigaldamise ja kasutamise tingimused**

Standard kirjeldab torustikus paiknevate ventiilide ja armatuuri paigaldamise ja kasutamise tingimusi, kui mõõdetakse veevarustuspaigaldiste müra.

Keel en

### **FprEN 61746-1**

Identne FprEN 61746-1:2008

ja identne IEC 61746-1:200X

Tähtaeg 1.03.2009

#### **Calibration of Optical Time-Domain Reflectometers (OTDR) - Part 1: OTDR for single-mode fibres**

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

Keel en

Asendab EVS-EN 61746:2005

### **FprEN 62059-32-1**

Identne FprEN 62059-32-1:2008

ja identne IEC 62059-32-1:200X

Tähtaeg 1.03.2009

#### **Electricity metering equipment - Dependability - Part 32-1: Durability - Testing of the stability of metrological characteristics by applying elevated temperature**

The stability of metrological characteristics is one important aspect of durability. This International Standard IEC 62059-32-1 specifies a method for testing the stability of metrological characteristics of electricity meters, by operating a test specimen at the upper limit of the specified operating range of temperature, voltage and current for an extended period. Functional performance other than the accuracy of energy measurement is out of the scope of this standard. Note, that from the results of this test, no conclusion can be drawn for the length of period during which the stability of the metrological characteristics will be maintained when the meter is operated under usual conditions. This International Standard is applicable to all types of electricity meters in the Scope of IEC

Keel en

### **FprEN 62458**

Identne FprEN 62458:2008

ja identne IEC 62458:200X

Tähtaeg 1.03.2009

#### **Sound system equipment - Electroacoustic transducers - Measurement of large signal parameters**

This International Standard applies to transducers such as loudspeaker drive units, loudspeaker systems, headphones, micro-speakers, shakers and other actuators using either an electro-dynamical or electro-magnetic motor coupled with a mechanical suspension. The large signal behaviour of the transducer is modelled by a lumped parameter model considering dominant nonlinearities such as force factor, stiffness and inductance as shown in Figure 1. The standard defines the basic terms and parameters of the model, the methods of measurements and the way the results should be reported.

Keel en

## **FprEN 62459**

Identne FprEN 62459:2008

ja identne IEC 62459:200X

Tähtaeg 1.03.2009

### **Sound system equipment - Electroacoustic transducers - Measurement of suspension parts**

This International Standard applies to the suspension parts of electroacoustic transducers (for example, loudspeakers). It defines the parameters and measurement method to determine the properties of suspension parts like spiders, surrounds, diaphragms or cones before being assembled in the transducer. The measurement results are needed for engineering design purposes and for quality control. Furthermore, this method is intended to improve the correlation of measurements between suspension-part manufacturers and loudspeaker manufacturers. The measurement methods provides parameters based on linear and nonlinear modelling of the suspension part and uses both static and dynamic techniques.

Keel en

## **prEN 1071-9**

Identne prEN 1071-9:2008

Tähtaeg 1.03.2009

### **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

Asendab CEN/TS 1071-9:2004

## **19 KATSETAMINE**

### **UUED STANDARDID**

#### **EVS-EN ISO 15548-1:2008**

Hind 198,00

Identne EN ISO 15548-1:2008

ja identne ISO 15548-1:2008

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

This part of ISO 15548 identifies the functional characteristics of a general-purpose eddy current instrument and provides methods for their measurement and verification. The evaluation of these characteristics permits a well-defined description and comparability of eddy current equipment. By careful choice of the characteristics, a consistent and effective eddy current examination system can be designed for a specific application. Where accessories are used, these are characterised using the principles of this part of ISO 15548. This part of ISO 15548 gives neither the extent of verification nor acceptance criteria for the characteristics. They are given in the application documents.

Keel en

Asendab EVS-EN 13860-1:2003

#### **EVS-EN ISO 15548-2:2008**

Hind 198,00

Identne EN ISO 15548-2:2008

ja identne ISO 15548-2:2008

#### **Non-destructive testing - Equipment for eddy current examination - Part 2: Probe characteristics and verification**

This part of ISO 15548 identifies the functional characteristics of a probe and its interconnecting elements and provides methods for their measurement and verification. The evaluation of these characteristics permits a well-defined description and comparability of eddy current equipment. By careful choice of the characteristics, a consistent and effective eddy current examination system can be designed for a specific application. Where accessories are used, these should be characterised using the principles of this part of ISO 15548. This part of ISO 15548 does not give the extent of verification nor acceptance criteria for the characteristics. These are given in the application documents.

Keel en

Asendab EVS-EN 13860-2:2003

#### **EVS-EN ISO 15548-3:2008**

Hind 92,00

Identne EN ISO 15548-3:2008

ja identne ISO 15548-3:2008

#### **Non-destructive testing - Equipment for eddy current examination - Part 3: System characteristics and verification**

This part of ISO 15548 identifies the functional characteristics of a general-purpose eddy current system and provides methods for their measurement and verification. The evaluation of these characteristics permits a well-defined description and comparability of an eddy current equipment. By careful choice of the characteristics, a consistent and effective eddy current examination system can be designed for a specific application. Where accessories are used, these are characterised using the principles of this part of ISO 15548. This part of ISO 15548 does not give the extent of verification nor acceptance criteria for the characteristics. These are given in the application documents.

Keel en

Asendab EVS-EN 13860-3:2004

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

### **UUED STANDARDID**

#### **EVS-EN ISO 2320:2008**

Hind 166,00

Identne EN ISO 2320:2008

ja identne ISO 2320:2008

#### **Prevailing torque type steel nuts - Mechanical and performance properties**

This International Standard specifies the mechanical and performance properties for prevailing torque type steel nuts when tested at an ambient temperature range of +10 °C to +35 °C. It includes a single test to determine the prevailing torque properties (performance properties) and/or the torque/clamp force properties.

Keel en

Asendab EVS-EN ISO 2320:1999

## KAVANDITE ARVAMUSKÜSITLUS

### **FprEN 60684-3-280**

Identne FprEN 60684-3-280:2008  
ja identne IEC 60684-3-280:200X  
Tähtaeg 1.03.2009

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

This standard 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, Annex A, Table 5, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

### **FprEN 60684-3-281**

Identne FprEN 60684-3-281:2008  
ja identne IEC 60684-3-281:200X  
Tähtaeg 1.03.2009

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

This standard gives the requirements for two types of heat-shrinkable, polyolefin sleeving, semi conductive 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, Annex A, Tables 3 and 4, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

### **FprEN 60684-3-282**

Identne FprEN 60684-3-282:2008  
ja identne IEC 60684-3-282:200X  
Tähtaeg 1.03.2009

#### **Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving, stress control**

This standard 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, Annex A, Tables 3 and 4, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

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

### UUED STANDARDID

#### **CEN/TS 15223:2008**

Hind 188,00  
Identne CEN/TS 15223:2008

#### **Plastics piping systems - Validated design parameters of buried thermoplastics piping systems**

This document covers thermoplastics pipe material related properties and design topics to be taken into account when carrying out any static pipe calculation. It also provides guidance to applying structural design of thermoplastics piping systems for pressure and non-pressure applications. It furthermore provides documentation based on long term experience, to be used in justifying and / or verification of any structural design method.

Keel en

#### **EVS-EN 982:1999+A1:2008**

Hind 178,00  
Identne EN 982:1996+A1:2008

#### **Masinate ohutus. Hüdroajamiga süsteemide ja nende komponentide ohutusnõuded. Hüdraulika KONSOLIDEERITUD TEKST**

This standard applies to hydraulic systems and their components on machinery. It identifies hazards and factors which affect the safety of systems and their components when they are put to their intended use. The principles specified apply to the design, construction and modification of new systems and their components and aspects of use including: - Assembly - Installation - Adjustment - Operation - Cleaning - Maintenance. Components are covered in the standard but only to the extent that safety requirements are given to allow the components to be safely integrated into a system's design. The standard applies to systems and their components on machinery that are manufactured after the date of the adoption of this standard.

Keel en

Asendab EVS-EN 982:1999

#### **EVS-EN 983:1999+A1:2008**

Hind 166,00  
Identne EN 983:1996+A1:2008

#### **Masinate ohutus. Hüdroajamiga süsteemide ja nende komponentide ohutusnõuded. Pneumaatika KONSOLIDEERITUD TEKST**

This standard applies to pneumatic systems and their components on machinery. It identifies hazards and factors which affect the safety of systems and their components when they are put to their intended use. Gas bottles and receivers are excluded from the scope of this standard. For receivers see EN 286-1. The principles specified apply to the design, construction and modification of new systems and their components and aspects of use including: - Assembly - Installation - Adjustment - Operation - Cleaning - Maintenance. Components are covered in the standard but only to the extent that safety requirements are given to allow the components to be safely integrated into a system's design. The standard applies to systems and their components on machinery that are manufactured after the date of the adoption of this standard.

Keel en

Asendab EVS-EN 983:1999

**EVS-EN 1074-6:2008**

Hind 155,00

Identne EN 1074-6:2008

**Valves for water supply - Fitness for purpose requirements and appropriate verification tests - Part 6: Hydrants**

This European Standard defines the minimum fitness for purpose requirements for hydrants to be used in, or connected to, water supply pipe systems, above or below ground (see EN 805), carrying water intended for human consumption. This European Standard specifies the design requirements, the performance requirements, and the conformity assessment method for hydrants, whatever their type, materials and functions. Where hydrants can be used for fire fighting, irrigation or other function, additional requirements can be given in other standards. This part of EN 1074 deals with the requirements applicable to both underground and pillar hydrants, in sizes DN 65 to DN 150, and PFA up to 16 bar. This part of EN 1074 does not give requirements for the outlets or their interface with the hydrants, since they are subject to national standards.

Keel en

Asendab EVS-EN 1074-6:2004

**EVS-EN 1626:2008**

Hind 114,00

Identne EN 1626:2008

**Krüogeenanumad. Krüogeensüsteemide hooldamise ventiilid**

This European Standard specifies the requirements for the design, manufacture and testing of valves for cryogenic service, i.e. for operation with cryogenic fluids below - 10 °C as well as at ambient conditions to allow for start-up and run-down. It specifies additional requirements for cryogenic service for the appropriate valve product standard.

Keel en

Asendab EVS-EN 1626:1999

**EVS-EN 1796:2006+A1:2008**

Hind 271,00

Identne EN 1796:2006+A1:2008

**Plastics piping systems for water supply with or without pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) KONSOLIDEERITUD TEKST**

This European Standard specifies the required properties of the piping system and its components made from glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) intended to be used for water supply (drinking or raw) with or without pressure. In a pipework system, pipes and fittings of different nominal pressure and stiffness ratings may be used together.

Keel en

Asendab EVS-EN 1796:2006

**EVS-EN 13081:2008**

Hind 135,00

Identne EN 13081:2008

**Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and coupler**

This European Standard covers the vapour collection adaptor and coupler used to achieve a vapour tight path between the transport tank and the stationary loading and unloading facilities. This European Standard specifies the performance requirements and the critical dimensions of the vapour recovery adaptor fitted to the tank and the mating coupler fitted to a hose or to pipework connected to the stationary loading and unloading facilities. It also specifies the tests necessary to verify the compliance of the equipment with this standard. The equipment specified by this European Standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa, at 50 °C and petrol, and which have no sub-classification as toxic or corrosive.

Keel en

Asendab EVS-EN 13081:2001

**EVS-EN 13082:2008**

Hind 124,00

Identne EN 13082:2008

**Tanks for transport of dangerous goods - Service equipment for tanks - Vapour transfer valve**

This European Standard covers the vapour transfer valve, used for the transfer of vapour between the tank compartment and the pipework connecting to the vapour collection adaptor. This European Standard specifies the performance requirements and the critical dimensions of the vapour transfer valve. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no sub-classification as toxic or corrosive.

Keel en

Asendab EVS-EN 13082:2001

**EVS-EN 13083:2008**

Hind 145,00

Identne EN 13083:2008

**Tanks for transport of dangerous goods - Service equipment for tanks - Adaptor for bottom loading and unloading**

This European Standard covers externally actuated and self actuated adaptors for bottom loading and unloading. This European Standard specifies the performance requirements and the critical dimensions of the adaptor for bottom loading and unloading. It also specifies the tests necessary to verify the compliance of the equipment with this European Standard. The equipment specified by this standard is suitable for use with liquid petroleum products and other dangerous substances of Class 3 of ADR [2] which have a vapour pressure not exceeding 110 kPa at 50 °C and petrol, and which have no subclassification as toxic or corrosive.

Keel en

Asendab EVS-EN 13083:2001

**EVS-EN 13445-6:2002/A3:2008**

Hind 135,00

Identne EN 13445-6:2002/A3:2008

**Leekkuumutusega surveanumad. Osa 6: Nõuded keragrafiitmalmist toodetud surveanumate ja survedetailide kavandamisele ja valmistamisele**

This European Standard specifies requirements for the design, materials, manufacturing and testing of pressure vessels and pressure vessel parts intended for use with a maximum allowable pressure, PS, equal or less 50 bar and shell wall thicknesses not exceeding 60 mm, that are constructed of spheroidal graphite cast iron.

Keel en

**EVS-EN 13648-1:2008**

Hind 124,00

Identne EN 13648-1:2008

**Krüogeenanumad. Ohutusseadmed kaitseks ülerõhu eest . Osa 1: Krüogeense talitluse kaitseklapid**

This European Standard specifies the requirements for the design, manufacture and testing of safety valves for cryogenic service, that is to say for operation with cryogenic fluids (as defined in EN 1251-1) below – 10 °C in addition to operation at ambient temperature. It is a requirement of this European Standard that the valves comply with EN ISO 4126-1 or EN ISO 4126-4. In the event of different requirements, the requirements for cryogenic service are applied. This European Standard is restricted to valves not exceeding a size of DN 100 for category B. The valves of category A are limited to DN 25 and set pressures up to 40 bars. Both categories are designed to relieve single phase vapours or gases. A valve can be specified, constructed and tested such that it is suitable for use with more than one gas or with mixtures of gases.

Keel en

Asendab EVS-EN 13648-1:2002

**EVS-EN 13785:2005+A1:2008**

Hind 356,00

Identne EN 13785:2005+A1:2008

**Regulaatorid, mille võimsus on kuni 100kg/h (kaasa arvatud) ja maksimaalne nominaalne väljundrõhk kuni 4 bar (kaasa arvatud), v.a. standardis EN 12864 kajastatud, ja nendega seotud ohutusseadmed butaanile, propaanile ja nende segudele KONSOLIDEERITUD TEKST**

This document defines the constructional and operational characteristics, the safety requirements, test methods and the marking of regulators having a capacity of less than or equal to 100 kg/h, other than the regulators covered by EN 12864, for butane, propane or their mixtures, in the gaseous phase.

Keel en

Asendab EVS-EN 13785:2005

**EVS-EN 13786:2004+A1:2008**

Hind 356,00

Identne EN 13786:2004+A1:2008

**Automaatsed ümberlülitusventiilid, mille maksimaalne väljundrõhk on kuni 4 bar (kaasa arvatud) ja võimsus kuni 100kg/h (kaasa arvatud) ning nendega seotud ohutusseadmed butaanile, propaanile ja nende segudele KONSOLIDEERITUD TEKST**

This European Standard defines the constructional and operational characteristics, the safety requirements and test methods, and the marking of automatic change over devices with a capacity of less than or equal to 100 kg/h and having a maximum regulated pressure of less than or equal to 4 bar for butane, propane or their mixtures only in the vapour phase.

Keel en

Asendab EVS-EN 13786:2004

**EVS-EN 14116:2007+A1:2008**

Hind 219,00

Identne EN 14116:2007+A1:2008

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

This European Standard covers the digital interface at the product loading and/or discharge coupling which shall be used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices

Keel en

Asendab EVS-EN 14116:2007

**EVS-EN 15001-2:2008**

Hind 166,00

Identne EN 15001-2:2008

**Gas infrastructure - Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations -Part 2: Detailed functional requirements for commissioning, operation and maintenance**

This European Standard specifies detailed functional requirements for the commissioning, operation and maintenance of • industrial gas installations and assemblies with an operating pressure greater than 0,5 bar and of • non-industrial gas installations (residential and commercial) with an operating pressure greater than 5 bar,

Keel en

**EVS-EN ISO 5801:2008**

Hind 415,00

Identne EN ISO 5801:2008

ja identne ISO 5801:2007+Cor 1:2008

**Tööstuslikud ventilaatorid. Telgventilaatorite tööarakteristike katsetamine standardiseeritud õhutunnelites**

This International Standard deals with the determination of the performance of industrial fans of all types except those designed solely for air circulation, e.g. ceiling fans and table fans. Estimates of uncertainty of measurement are provided and rules for the conversion, within specified limits, of test results for changes in speed, gas handled and, in the case of model tests, size, are given.

Keel en

**EVS-EN ISO 5802:2008**

Hind 315,00

Identne EN ISO 5802:2008

ja identne ISO 5802:2001

**Tööstuslikud ventilaatorid. Töökarakteristikute kohapealne katsetamine**

This International Standard specifies tests for determining one or more performance characteristics of fans installed in an operational circuit when handling a monophasic fluid.

Keel en

**EVS-EN ISO 11117:2008**

Hind 114,00

Identne EN ISO 11117:2008

ja identne ISO 11117:2008

**Gas cylinders - Valve protection caps and valve guards - Design, construction and tests**

This International Standard specifies the requirements for valve protection caps and guards for gas cylinders. This International Standard defines tests for checking the mechanical strength and physical properties of the valve protection cap or valve guard. This International Standard applies to protection devices for valves used on cylinders for liquefied, dissolved or compressed gases. This International Standard excludes protection devices for cylinders with a water capacity of 5 l or less and cylinders whereby the protection device is fixed by means of lugs welded or brazed to the cylinder, or is welded or brazed directly to the cylinder. This International Standard does not cover valve protection for breathing apparatus cylinders. This International Standard does not specify all the requirements that may be necessary to enable the valve protection device to be used for lifting the cylinder.

Keel en

Asendab EVS-EN 962:1999; EVS-EN 962:1999/A2:2001

**EVS-EN ISO 12499:2008**

Hind 135,00

Identne EN ISO 12499:2008

ja identne ISO 12499:1999

**Tööstuslikud ventilaatorid. Ventilaatorite mehaaniline ohutus. Kaitsmine**

This International Standard specifies requirements for the mechanical guarding of industrial fans. The circumstances under which safety measures shall be taken are described and information on how hazards can be reduced or eliminated is given, along with guidance on safety practices and information for use.

Keel en

**EVS-EN ISO 13349:2008**

Hind 219,00

Identne EN ISO 13349:2008

ja identne ISO 13349:1999

**Tööstuslikud ventilaatorid. Terminoloogia**

This International Standard provides a vocabulary and defines categories for general purpose industrial fans and their component parts. It is applicable to any fan used for industrial purposes, including the ventilation of buildings and mines, but excluding ceiling, pedestal and similar circulation types of fans such as those commonly used for non-industrial purposes.

Keel en

Asendatud prEN ISO 13349

**EVS-EN ISO 13350:2008**

Hind 188,00

Identne EN ISO 13350:2008

ja identne ISO 13350:1999

**Tööstuslikud ventilaatorid. Telgventilaatorite töökarakteristikute katsetamine**

This International Standard deals with the determination of those technical characteristics needed to describe all aspects of the performance of jet fans as defined in ISO 13349. It does not cover those fans designed for ducted applications, nor those designed solely for air circulation, e.g. ceiling fans and table fans. The test procedures described in this International Standard relate to laboratory conditions. The measurement of performance under on-site conditions is not included.

Keel en

**EVS-EN ISO 13351:2008**

Hind 114,00

Identne EN ISO 13351:2008

ja identne ISO 13351:1996

**Tööstuslikud ventilaatorid. Mõõtmed**

This International Standard specifies size designations for industrial fans and specifies dimensions for the circular and rectangular flanges of general purpose industrial fans as defined in 3.1. It does not apply to cross-flow fans, or fan appliances used for household or similar applications. For circular flanges, this International Standard provides two different flange series, one for standard casing thicknesses and a second for heavy duty fans as used on board sea-going vessels or in heavy industry. In order not to restrict fan designs unduly, only the pitch diameter, hole numbers and hole diameters are standardized. Flange thickness as well as internal and external flange diameters can be chosen freely within the limits of good engineering practice.

Keel en

**EVS-EN ISO 13968:2008**

Hind 80,00

Identne EN ISO 13968:2008

ja identne ISO 13968:2008

**Plastist torustiku- ja kanalisüsteemid.****Termoplasttorud. Ringelastsuse kindlaksmääramine**

This International Standard specifies a method for testing the ring flexibility of a thermoplastic pipe having a circular cross-section. The method enables determination of the deflection, and necessary force, at which physical damage, if any, occurs within the specified diametric deflection.

Keel en

Asendab EVS-EN 1446:1999

**EVS-EN ISO 15783:2003/A1:2008**

Hind 105,00

Identne EN ISO 15783:2003/A1:2008

ja identne EN ISO 15783:2003/A1:2008

**Seal-less rotodynamic pumps - Class II - Specification - Amendment 1**

This International Standard specifies the requirements for seal-less rotodynamic pumps that are driven with permanent magnet coupling (magnet drive pumps) or with canned motor, and which are mainly used in chemical processes, water treatment and petrochemical industries

Keel en



## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 12162:2001/prA1**

Identne EN 12162:2001/prA1:2008

Tähtaeg 1.03.2009

#### **Vedelikupumbad. Ohutusnõuded. Hüdrostaatilise katsetamise protseduur**

This European Standard describes the hydrostatic test procedure to be applied to pressure containing parts of all types of liquid pumps including any auxiliary equipment making up a pump unit.

Keel en

### **EN 13445-4:2002/prA4**

Identne EN 13445-4:2008/prA4:2008

Tähtaeg 1.03.2009

#### **Leekkuumutusega surveanumad. Osa 4: Valmistamine**

This document specifies requirements for the manufacture of unfired pressure vessels and their parts, made of steels, including their connections to non-pressure parts. It specifies requirements for material traceability, manufacturing tolerances, welding requirements, production tests, forming requirements, heat treatment, repairs and finishing operations.

Keel en

### **EN 60335-2-67:2003/FprAB**

Identne EN 60335-2-67:2003/FprAB:2008

Tähtaeg 1.03.2009

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-67: Erinõuded põrandahooldus- ja puhastusmasinatele tööstuslikuks ja kaubanduslikuks kasutamiseks**

This standard applies to electrical motor-operated floor polishing (including waxing and buffing), scrubbing and grinding, scarifying and carpet shampooing appliances primarily designed for industrial and commercial use, with or without attachments, inclu

Keel en

### **prEN 1555-1**

Identne prEN 1555-1:2008

Tähtaeg 1.03.2009

#### **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 the other parts of EN 1555 (see Foreword) 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

### **prEN 1555-2**

Identne prEN 1555-2:2008

Tähtaeg 1.03.2009

#### **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 the other parts of EN 1555 (see Foreword) 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

### **prEN 1555-3**

Identne prEN 1555-3:2008

Tähtaeg 1.03.2009

#### **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 the other parts of EN 1555 (see Foreword), 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

### **prEN 1555-4**

Identne prEN 1555-4:2008

Tähtaeg 1.03.2009

#### **Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves**

This part of EN 1555 specifies the characteristics of valves 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 the other parts of EN 1555, it is applicable to PE valves, 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 1555-4:2003

**prEN 1555-5**

Identne prEN 1555-5:2008

Tähtaeg 1.03.2009

**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 also 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 also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword) 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

**prEN 12735-1**

Identne prEN 12735-1:2008

Tähtaeg 1.03.2009

**Vask ja vasesulamid. Ömblusteta ümmargused vasktorud õhukonditsioneeride ja jahutuse jaoks. Osa 1: Torud torustikusüsteemide jaoks**

This European Standard specifies the requirements, sampling, test methods and conditions of delivery for seamless round copper tubes used for refrigeration and air-conditioning piping systems (i.e. piping, connections, repairs). It is applicable to tubes having an outside diameter from 3 mm up to and including 133 mm. These tubes are supplied in straight lengths in the hard or half-hard material conditions, or in coils in the annealed material condition.

Keel en

Asendab EVS-EN 12735-1:2001

**prEN 12735-2**

Identne prEN 12735-2:2008

Tähtaeg 1.03.2009

**Vask ja vasesulamid. Ömblusteta ümmargused vasktorud õhukonditsioneeride ja jahutuse jaoks. Osa 2: Torud seadmete jaoks**

This European Standard specifies the requirements, sampling, test methods and conditions of delivery for seamless round copper tubes, smooth or inner finned, used for heat exchangers and their internal connecting pipes in the manufacturing of refrigeration and air conditioning equipment. It is applicable to tubes with an outer diameter from 6 mm up to and including 133 mm. The tubes are supplied in straight length in the material conditions hard or half-hard or as coils in the material condition annealed (soft).

Keel en

Asendab EVS-EN 12735-2:2001

**prEN 15888**

Identne prEN 15888:2008

Tähtaeg 1.03.2009

**Transportable gas cylinders - Cylinder bundles - Periodic inspection and testing**

This European Standard specifies the requirements for the periodic inspection and testing of cylinder bundles containing compressed gas, liquefied gas and mixtures thereof. It is also applicable to cylinder bundles containing acetylene. The standard includes information regarding the maintenance of cylinder bundles. This standard does not cover the requirements for cylinder bundles when they are a part of a battery vehicle.

Keel en

**prEN 15889**

Identne prEN 15889:2008

Tähtaeg 1.03.2009

**Fire-fighting hoses - Test methods**

This document details specific test methods for layflat, semi-rigid and suction fire fighting-hoses. The described test methods are recommended for standards for firefighting hoses. Applicable methods are to be selected and requirements and test values have to be defined in the relevant fire hose standards. Annex U (informative) lists the existing published ISO and or EN hose test methods standards that are specified within Fire hose standards.

Keel en

**prEN ISO 11114-3**

Identne prEN ISO 11114-3:2008

ja identne ISO/DIS 11114-3:2008

Tähtaeg 1.03.2009

**Transporditavad gaasiballoonid. Ballooni ja ventiilimaterjali kokkusobivus sisalduva gaasi koostisega. Osa 3: Autogeense süttimise katse hapnikukeskkonnas**

This standard specifies a test method to determine the autogenous ignition temperature of non metallic materials in pressurized gaseous oxygen. Autogenous ignition temperature is one of the criteria for ranking materials, and can be used to assist with the choice of materials used in the presence of gaseous oxygen. Annex B of this standard is a comprehensive bibliography of the published material on which this standard is based.

Keel en

Asendab EVS-EN ISO 11114-3:1999

**25 TOOTMISTEHNOLLOOGIA****UUED STANDARDID****CEN/TR 14633:2003**

Hind 105,00

Identne CEN/TR 14633:2003

**Welding - Working positions - Comparison of current international, European and US designations**

This Technical Report provides a comparison between the common working and welding positions shown in EN ISO 6947 and the joint orientations shown in ANSI/AWS A3.0, and ASME Boiler and pressure vessel code Section IX

Keel en

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

Hind 256,00

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

**EVS-EN 1265:2000+A1:2008**

Hind 229,00

Identne EN 1265:1999+A1:2008

**Masinate ohutus. Mürakatsekoodid valumasinatele ja seadmetele KONSOLIDEERITUD TEXT**

!This" noise test code specifies all the information necessary to carry out efficiently and under standardized conditions the determination, declaration and verification of the "noise emission values" of several groups of foundry machinery. It specifies noise measurement methods that are available and operating and mounting conditions that shall be used for the test. "Noise emission values" include emission sound pressure levels at work stations and the sound power level. The determination of these quantities is necessary for: - manufacturers to declare the noise emitted; - comparing the noise emitted by machines in the group concerned; - purposes of noise control at the source at the design stage.

Keel en

Asendab EVS-EN 1265:2000

**EVS-EN 62135-1:2008**

Hind 271,00

Identne EN 62135-1:2008

ja identne IEC 62135-1:2008

**Takistuskeevitusseadmed. Osa 1: Projekteerimise, valmistamise ja paigaldamise ohutusnõuded**

This part of IEC 62135 applies to equipment for resistance welding and allied processes and includes single and multiple welding stations which may be manually or automatically loaded and/or started. This standard covers stationary and portable equipment. It specifies safety requirements for design, manufacture and installation. To comply with this standard, all safety risks involved in loading, feeding, operating and unloading the equipment, where applicable, should be assessed and the requirements of related standards should be observed.

Keel en

Asendab EVS-EN 50063:2001

**EVS-EN ISO 8501-4:2008**

Hind 3234,00

Identne EN ISO 8501-4:2006

ja identne ISO 8501-4:2006

**Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness -Part 4: Initial surface conditions, preparation grades and flashrust grades in connection with high-pressure water jetting**

This part of ISO 8501 specifies a series of preparation grades for steel surfaces after removal/partial removal of water-soluble contaminants, rust, previous paint coatings and foreign matter by high-pressure water jetting.

Keel en

**EVS-EN ISO 14113:2008**

Hind 135,00

Identne EN ISO 14113:2008

ja identne ISO 14113:2007

**Gas welding equipment - Rubber and plastics hose and hose assemblies for use with industrial gases up to 450 bar (45 MPa)**

This International Standard specifies requirements for rubber and plastics hose and hose assemblies for use with compressed, liquefied and dissolved gases up to a maximum working pressure of 45 MPa (450 bar), within the ambient temperature range of -20 °C to +60 °C. This International Standard applies to hose assemblies used to connect industrial gas cylinders to manifolds or bundles prior to any pressure reduction stage. This International Standard does not cover rubber or thermoplastic hoses for welding, cutting and allied processes (see ISO 3821 and ISO 12170). This International Standard does not apply to refrigerated liquefied gases or to liquefied petroleum gases (LPG).

Keel en

Asendab EVS-EN ISO 14113:1999

**EVS-EN ISO 14172:2008**

Hind 155,00

Identne EN ISO 14172:2008

ja identne ISO 14172:2008

**Keevitustarvikud. Rübustiga kaetud elektroodid nikli ja niklisulamite käsi-kaarkeevitamiseks. Klassifikatsioon**

This International Standard prescribes requirements for the classification of nickel and nickel alloy covered electrodes for manual metal arc welding and overlaying. It includes those compositions in which the nickel content exceeds that of any other element.

Keel en

Asendab EVS-EN ISO 14172:2004; EVS-EN ISO 14172:2004/AC:2006

## **EVS-EN ISO 27874:2008**

Hind 178,00

Identne EN ISO 27874:2008

ja identne ISO 27874:2008

### **Metallilised pinnakatted. Elektrosadestatud kullast ja kullasulamist pinnatöötusmaterjalid elektrilistele, elektroonilistele ja insenertehnilistele rakendustele. Spetsifikatsioonid ja katsemeetodid**

This International Standard specifies the requirements for electrodeposited gold and gold alloy coatings for electrical, electronic and other engineering applications on metallic and non-metallic substrates. It also specifies test methods for measuring the properties of the coatings. Although this International Standard does not specify the condition, finish or surface roughness of the basis material prior to electroplating, the appearance and serviceability of electroplated gold or gold alloy coatings depends on the condition of the basis material. It is essential that the purchaser specify the surface finish and roughness of the basis material in order to conform to the product requirements. This International Standard does not apply to coatings on threaded articles or to coatings on sheet or strip in non-fabricated form.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **CLC/TR 61158-1:2004**

Identne CLC/TR 61158-1:2004

ja identne IEC/TR 61158-1:2003

### **Digital data communications for measurement and control - Fieldbus for use in industrial control systems -- Part 1: Overview and guidance for the IEC 61158 series**

Is a Technical Report presenting an overview and guidance for the EN 61158 series. Explains the structure and content of EN 61158, shows how to use it in combination with EN 61784, and relates the structure to the ISO/IEC 7498 OSI Basic Reference Model.

Keel en

Asendatud CLC/TR 61158-1:2008

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 60745-2-1:2003/FprAC**

Identne EN 60745-2-1:2003/FprAC:2008

Tähtaeg 1.03.2009

### **Käsimooriga elektrilised tööriistad. Ohutus. Osa 2-1: Erinõuded puuridele ja lööktrellidele**

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for drills and impact drills. 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

Keel en

### **EN 60745-2-6:2003/FprAB**

Identne EN 60745-2-6:2003/FprAB:2008

Tähtaeg 1.03.2009

### **Käeshoitavad mootorajamiga elektritööriistad.**

#### **Ohutus. Osa 2-5: Erinõuded haamritele**

Deals with the safety of hand-held motor-operated or magnetically driven tools, specifically hammers. The rated voltage of the hammers is not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c. tools. Tools covered by this standard

Keel en

## **FprEN 60974-11**

Identne FprEN 60974-11:2008

ja identne IEC 60974-11:200X

Tähtaeg 1.03.2009

### **Kaarkeevitusseadmed. Osa 11: Elektroodihoidikud**

This part of IEC 60974 is applicable to electrode holders for manual metal arc welding with electrodes up to 10 mm in diameter. It is not applicable to electrode holders for underwater welding. This part of IEC 60974 specifies safety and performance requirements of electrode holders.

Keel en

Asendab EVS-EN 60974-11:2004

### **FprEN 62439-1**

Identne FprEN 62439-1:2008

ja identne IEC 62439-1:200X

Tähtaeg 1.03.2009

### **Industrial communication networks high availability automation networks - Part 1: General concepts and calculation methods (including RSTP)**

The IEC 62439 series is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This part of the IEC 62439 series specifies • The common elements and definitions for other Parts of the IEC 62439 series; • The conformance test specification (normative) • A classification scheme for network characteristics (informative); • A methodology for estimating network availability (informative); • The configuration rules, calculation and measurement method for a deterministic recovery time in RSTP.

Keel en

Asendab EVS-EN 62439:2008

### **FprEN 62439-2**

Identne FprEN 62439-2:2008

ja identne IEC 62439-2:200X

Tähtaeg 1.03.2009

### **Industrial communication networks high availability automation networks - Part 2: Media Redundancy Protocol (MRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a recovery protocol based on a ring topology, designed to react deterministically on a single failure of an inter-switch link or switch in the network, under the control of a dedicated media redundancy manager node.

Keel en

### **FprEN 62439-3**

Identne FprEN 62439-3:2008

ja identne IEC 62439-3:200X

Tähtaeg 1.03.2009

### **Industrial communication networks high availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High availability Seamless Ring (HSR)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a redundancy protocol based on the duplication of the network, designed to provide seamless recovery in case of single failure of an inter-switch link or switch in the network.

Keel en

**FprEN 62439-4**

Identne FprEN 62439-4:2008

ja identne IEC 62439-4:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 4: Cross-network Redundancy Protocol (CRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a redundancy protocol that is based on the duplication of the network, the redundancy protocol being executed within the end nodes, as opposed to a redundancy protocol built in the switches. The switchover decision is taken in each node individually. The cross-network connection capability enables single attached end nodes to be connected on either of the two networks.

Keel en

**FprEN 62439-5**

Identne FprEN 62439-5:2008

ja identne IEC 62439-5:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 5: Beacon Redundancy Protocol (BRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a redundancy protocol that is based on the duplication of the network, the redundancy protocol being executed within the end nodes, as opposed to a redundancy protocol built in the switches. Fast error detection is provided by two beacon nodes, the switchover decision is taken in every node individually. The cross-network connection capability enables single attached end nodes to be connected on either of the two networks.

Keel en

**FprEN 62439-6**

Identne FprEN 62439-6:2008

ja identne IEC 62439-6:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 6: Distributed Redundancy Protocol (DRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a recovery protocol based on a ring topology, designed to react deterministically on a single failure of an inter-switch link or switch in the network. Each switch has equal management role in the network. Double rings are supported.

Keel en

**prEN 1071-9**

Identne prEN 1071-9:2008

Tähtaeg 1.03.2009

**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

Asendab CEN/TS 1071-9:2004

**prEN 13743**

Identne prEN 13743:2008

Tähtaeg 1.03.2009

**Safety requirements for coated abrasive products**

This European Standard is applicable to the following coated abrasive products: flap wheels, flap discs, vulcanised fibre discs and spindle mounted flap wheels. It also applies to back-up pads for vulcanised fibre discs. This European Standard specifies requirements and/or measures for removal or reduction of hazards resulting from the design and application of the coated abrasive products and clamping devices. This European Standard also contains procedures and tests for verification of compliance with the requirements as well as safety information for use, which is to be made available to the user by the manufacturer. The hazards taken into consideration are listed in Clause 4 of this standard. This European Standard does not apply to non-woven web abrasive products, bonded abrasive products and superabrasive products.

Keel en

Asendab EVS-EN 13743:2002

**prEN ISO 8503-1**

Identne prEN ISO 8503-1:2008

ja identne ISO/DIS 8503-1:2008

Tähtaeg 1.03.2009

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Jugapuhastatud teraspinna kareduse iseloomustus. Osa 1: Tehnilised andmed ja määratlused ISO pinnaprofiilikomparaatorite kohta, mis on ette nähtud abrasiiviga jugapuhastatud pindade hindamiseks**

This Part of ISO 8503 specifies the requirements for ISO surface profile comparators which are intended for visual and tactile comparison of steel substrates that have been blast-cleaned with either shot abrasives or grit abrasives. This Part of ISO 8503 also includes definitions of the terms used in this and the other Parts of ISO 8503 and requirements for the care of ISO surface profile comparators.

Keel en

Asendab EVS-EN ISO 8503-1:1999

## prEN ISO 8503-2

Identne prEN ISO 8503-2:2008  
ja identne ISO/DIS 8503-2:2008  
Tähtaeg 1.03.2009

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Jugapuhastatud teraspinna kareduse iseloomustus. Osa 2: Abrasiiviga jugapuhastatud pinnaprofiilide liigitamise meetod. Komparaatorimeetod**

This part of ISO 8503 describes a visual and tactile method for assessing the grade of the profile that has been produced by one of the abrasive blast-cleaning procedures described in ISO 8504-2. The method uses ISO surface profile comparators for assessing, on site, the roughness of surfaces before the application of paint or other protective treatments.

Keel en

Asendab EVS-EN ISO 8503-2:1999

## prEN ISO 8503-3

Identne prEN ISO 8503-3:2008  
ja identne ISO/DIS 8503-3:2008  
Tähtaeg 1.03.2009

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Jugapuhastatud teraspinna kareduse iseloomustus. Osa 3: ISO pinnaprofiilikomparaatorite kaliibrimise ja pinnaprofiili määramise meetod. Fookustava mikroskoobi meetod**

This Part of ISO 8503 specifies the focusing microscope and describes the procedure for calibrating ISO surface profile comparators conforming to the requirements of ISO 8503-1. This Part of ISO 8503 is also applicable to the determination of the surface profile, within the range  $h = 20$  to  $200 \mu\text{m}$ , of essentially planar blast-cleaned steel. The determination can be carried out on a representative section of the blast-cleaned substrate or, if direct observation of the surface is not feasible, on a replica of the surface (see Annex E).

Keel en

Asendab EVS-EN ISO 8503-3:1999

## prEN ISO 8503-4

Identne prEN ISO 8503-4:2008  
ja identne ISO/DIS 8503-4:2008  
Tähtaeg 1.03.2009

**Teraspindade ettevalmistamine enne värvide ja nendega seotud materjalide pealekandmist. Jugapuhastatud teraspinna kareduse iseloomustus. Osa 4: ISO pinnaprofiilikomparaatorite kaliibrimise ja pinnaprofiili määramise meetod. Nõelkombitsameetod**

This Part of ISO 8503 specifies the stylus instrument and describes the procedure for calibrating ISO surface profile comparators conforming to the requirements of ISO 8503-1. This Part of ISO 8503 is also applicable to the determination of the surface profile, within the  $y_5 R$  range of  $20 \mu\text{m}$  to  $200 \mu\text{m}$ , of essentially planar blast-cleaned steel. The determination can be carried out on a representative section of the blast-cleaned surface or, if direct observation of the surface is not feasible, on a replica of the surface (see Annex C).

Keel en

Asendab EVS-EN ISO 8503-4:1999

## 27 ELEKTRI- JA SOOJUSENERGEETIKA

### UUED STANDARDID

#### CLC/TR 50403:2002

Hind 124,00

Identne CLC/TR 50403:2002

#### Standardization and the liberalization of the energy market

In recent years, the electrical energy sector has seen substantial changes, especially in Europe due to several legislative and policy initiatives from EU, such as the Directive "concerning common rules for the internal market in electricity", published in 1996. Furthermore, other regions of the world are facing similar changes, in order to attract foreign investors or to create competition in their national markets.

Keel en

#### EVS-EN 676:2003+A2:2008/AC:2008

Hind 0,00

Identne EN 676:2003+A2:2008/AC:2008

#### Automaatsed sundtõmbega põletid gaaskütustele

Keel en

#### EVS-EN 1736:2008

Hind 124,00

Identne EN 1736:2008

#### Refrigerating systems and heat pumps - Flexible pipe elements, vibration isolators, expansion joints and non-metallic tubes - Requirements, design and installation

This document describes requirements, design and installation of flexible pipe elements (e. g. metallic flexible pipe, metallic flexible tube, vibration isolator, expansion joint) and non-metallic tube used in the refrigerant circuits of refrigerating systems and heat pumps. It also describes the requirements to qualify the tightness of non-metallic tubes (e.g. plastic) used in evaporating and/or condensing sides of refrigerating systems and heat pumps. It does not apply to flexible pipes that are only occasionally stressed beyond the elastic limit, e. g. during repair work, or to joints which are free to rotate or hinge.

Keel en

Asendab EVS-EN 1736:2000

#### EVS-EN 50465:2008

Hind 356,00

Identne EN 50465:2008

#### Gas appliances - Fuel cell gas heating appliance - Fuel cell gas heating appliance of nominal heat input inferior or equal to 70 kW

This European Standard applies to the construction, the safety, the functional requirements and the test methods, as well as the classification and the marking of a fuel cell gas heating appliance, which will be operated predominantly heat followed, meeting the following boundary conditions: - maximum heat load (gas input): 70 kW - maximum electrical output: 11 kW.

Keel en

## **EVS-EN 61400-21:2008**

Hind 271,00

Identne EN 61400-21:2008

ja identne IEC 61400-21:2008

### **Wind turbine generator systems - Part 21: Measurement and assesment of power quality characteristics of grid connected wind turbines**

This part of IEC 61400 includes: • definition and specification of the quantities to be determined for characterizing the power quality of a grid connected wind turbine; • measurement procedures for quantifying the characteristics; • procedures for assessing compliance with power quality requirements, including estimation of the power quality expected from the wind turbine type when deployed at a specific site, possibly in groups.

Keel en

Asendab EVS-EN 61400-21:2003

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 50530**

Identne FprEN 50530:2008

Tähtaeg 1.03.2009

#### **Overall efficiency of photovoltaic inverters**

This European Standard provides a procedure for the measurement of the accuracy of the maximum power point tracking (MPPT) of inverters, which are used in grid-connected photovoltaic systems. In that case the inverter energizes a low voltage grid of stable AC voltage and constant frequency. Both the static and dynamic MPPT efficiency is considered. Based on the static MPPT efficiency and conversion efficiency the overall inverter efficiency is calculated. The dynamic MPPT efficiency is indicated separately.

Keel en

### **FprEN 60891**

Identne FprEN 60891:2008

ja identne IEC 60891:200X

Tähtaeg 1.03.2009

#### **Procedures for temperature and irradiance corrections to measured I-V characteristics of photovoltaic devices**

This standard defines procedures that should be followed for temperature and irradiance corrections to the measured I-V (current-voltage) characteristics of photovoltaic devices. It also defines the procedures used to determine factors relevant for these corrections. Requirements for I-V measurement of photovoltaic devices are laid down in Publication IEC 60904-1.

Keel en

Asendab EVS-EN 60891:2003

## **FprEN 61400-22**

Identne FprEN 61400-22:2008

ja identne IEC/TS 61400-22:200X

Tähtaeg 1.03.2009

### **Wind turbines - Part 22: Conformity testing and certification of wind turbines**

This publication defines rules and procedures for a certification system for Wind Turbines (WT) that comprises both type certification and certification of wind turbine projects installed on land or off-shore. This system specifies rules for procedures and management for carrying out conformity evaluation of WT and wind farms, with respect to specific standards and other technical requirements, relating to safety, reliability, performance, testing and interaction with electrical power networks. It provides: - definitions of the elements in a wind turbine certification process; - procedures for conformity evaluation in a wind turbine certification system; - procedures for conformity surveillance; - rules for the documentation that is to be supplied by an Applicant for the conformity evaluation; and - requirements for certification and inspection bodies and testing laboratories.

Keel en

## **29 ELEKTROTEHNIKA**

### **UUED STANDARDID**

#### **CLC/TR 61340-5-2:2008**

Hind 295,00

Identne CLC/TR 61340-5-2:2008

ja identne IEC/TR 61340-5-2:2007

#### **Electrostatics -- Part 5-2: Protection of electronic devices from electrostatic phenomena - User guide**

This technical report has been developed to support IEC 61340-5-1. The controls and limits referenced in this standard were developed to protect devices that are susceptible to discharges of 100 V or greater using the human body model test method. However, the general concepts are still valid for devices that are susceptible to discharges of less than 100 V.

Keel en

Asendab EVS-EN 61340-5-2:2002

#### **CLC/TS 60034-25:2008**

Hind 295,00

Identne CLC/TS 60034-25:2008

ja identne IEC/TS 60034-25:2007

#### **Rotating electrical machines - Part 25: Guidance for the design and performance of a.c. motors specifically designed for converter supply**

This part of IEC 60034 describes the design features and performance characteristics of a.c. motors specifically designed for use on converter supplies. It also specifies the interface parameters and interactions between the motor and the converter including installation guidance as part of a power drive system. The general requirements of relevant parts of the IEC 60034 series of standards also apply to motors within the scope of this technical specification.

Keel en

Asendab CLC/TS 60034-25:2005

**CLC/TS 62271-304:2008**

Hind 155,00

Identne CLC/TS 62271-304:2008

ja identne IEC/TS 62271-304:2008

**High-voltage switchgear and controlgear - Part 304: Design classes for indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV to be used in severe climatic conditions**

This part of IEC 62271 applies to indoor enclosed switchgear and controlgear complying with IEC 62271-200 and IEC 62271-201, intended to be used in service conditions more severe with respect to condensation and pollution than the normal service conditions specified in IEC 62271-1.

Keel en

**EVS-EN 50085-2-2:2008**

Hind 198,00

Identne EN 50085-2-2:2008

**Cable trunking systems and cable ducting systems for electrical installations -- Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or onfloor**

This European Standard specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations. The maximum voltage of these installations is 1 000 V a.c. and 1 500 V d.c.

Keel en

**EVS-EN 60079-14:2008**

Hind 336,00

Identne EN 60079-14:2004

ja identne IEC 60079-14:2004

**Explosive atmospheres -- Part 14: Electrical installations design, selection and erection**

This part of IEC 60079 contains the specific requirements for the design, selection and erection of electrical installations in hazardous areas associated with explosive atmospheres. Where the equipment is required to meet other environmental conditions, for example, protection against ingress of water and resistance to corrosion, additional methods of protection may be necessary. The method used should not adversely affect the integrity of the enclosure.

Keel en

Asendab EVS-EN 60079-14:2003

**EVS-EN 60357:2003/A2:2008**

Hind 80,00

Identne EN 60357:2003/A2:2008

ja identne IEC 60357:2002/A2:2008

**Halogeenhõõglambid (mitte sõidukitele)**

Specifies dimensions and characteristics of tungsten halogen lamps, designed specifically for the following applications: projection, photographic (including studio), flood lighting, specialized airfield purpose and general purpose. This is a loose-leaf publication; supplements, containing new and revised sheets, are issued from time to time.

Keel en

**EVS-EN 60598-1:2008**

Hind 394,00

Identne EN 60598-1:2008

ja identne IEC 60598-1:2008

**Valgustid. Osa 1: Üldnõuded ja katsetused**

This Part 1 of International Standard IEC 60598 specifies general requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V. The requirements and related tests of this standard cover: classification, marking, mechanical construction and electrical construction.

Keel en

Asendab EVS-EN 60598-1:2001; EVS-EN 60598-1:2005/A1:2007

**EVS-EN 60669-1:2001/A2:2008**

Hind 114,00

Identne EN 60669-1:1999/A2:2008

ja identne IEC 60669-1:1998/A2:2006

**Kohtkindlate majapidamis- ja muude taoliste elektripaigaldiste lülitid. Osa 1: Üldnõuded**

This part of EN 60669 applies to manually operated general purpose switches, for a.c. only with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A, intended for household and similar fixed electrical installations, either indoors or outdoors.

Keel en

**EVS-EN 61230:2008**

Hind 271,00

Identne EN 61230:2008

ja identne IEC 61230:2008

**Pingealune töö. Kantavad maandamis- või maandamis- ning lühistamisgarnituurid**

This International Standard is applicable to portable equipment, with or without matching connection points, for temporary earthing or earthing and short-circuiting of electrically isolated or de-energized a.c. and d.c. installations, distribution and transmission networks, whether they are overhead or underground or of low or high voltage.

Keel en

Asendab EVS-EN 61230:2001

**EVS-EN 62024-1:2008**

Hind 166,00

Identne EN 62024-1:2008

ja identne IEC 62024-1:2008

**High frequency inductive components - Electrical characteristics and measuring methods -- Part 1: Nanohenry range chip inductor**

This part of IEC 62024 specifies electrical characteristics and measuring methods for the nanohenry range chip inductor that is normally used in high frequency (over 100 kHz) range.

Keel en

Asendab EVS-EN 62024-1:2003



## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **CLC/TS 60034-25:2005**

Identne CLC/TS 60034-25:2005

#### **Rotating electrical machines Part 25: Guide for the design and performance of cage induction motors specifically designed for converter supply**

Describes the design features and performance characteristics of polyphase cage induction motors specifically designed for use on voltage source converter supplies up to 1 000 V. Also specifies the interface parameters and interactions between the motor and the converter including installation guidance as part of a power drive system.

Keel en

Asendatud CLC/TS 60034-25:2008

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 60851-1:2003/FprA2**

Identne EN 60851-1:1996/FprA2:2008

ja identne IEC 60851-1:1996/A2:200X

Tähtaeg 1.03.2009

#### **Winding wires - Test methods - Part 1: General**

This part of IEC 851 specifies the general notes on methods of test for winding wires. It also gives the definitions for terms used in IEC 851. A survey of the contents of part 2 to part 6 of IEC 851 is given in annex A.

Keel en

### **EN 61549:2003/FprAA**

Identne EN 61549:2003/FprAA:2008

Tähtaeg 1.03.2009

#### **Mitmesugused lambid**

Relevant to lamps not covered elsewhere in the scope of existing IEC standards

Keel en

### **EN 62384:2006/FprA1**

Identne EN 62384:2006/FprA1:2008

ja identne IEC 62384:2006/A1:200X

Tähtaeg 1.03.2009

#### **D.C. or A.C. supplied electronic control gear for LED modules - Performance requirements**

This international standard specifies performance requirements for electronic control gear for use on d.c. supplies up to 250 V and a.c. supplies up to 1 000 V at 50 Hz or 60 Hz with an output frequency which can deviate from the supply frequency, associated with LED modules according to IEC 62031. Control gear for LED modules specified in this standard are designed to provide constant voltage or current. Deviations from the pure voltage and current types do not exclude the gear from this standard.

Keel en

### **FprEN 60034-1**

Identne FprEN 60034-1:2008

ja identne IEC 60034-1:200X

Tähtaeg 1.03.2009

#### **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 käsitusallasse 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 en

Asendab EVS-EN 60034-1:2006

### **FprEN 60034-18-1**

Identne FprEN 60034-18-1:2008

ja identne IEC 60034-18-1:200X

Tähtaeg 1.03.2009

#### **Rotating electrical machines - Part 18-1: Functional evaluation of insulation systems - General guidelines**

This part IEC 60034-18-1 deals with the general guidelines for functional evaluation of electrical insulation systems, used or proposed to be used in rotating electrical machines within the scope of IEC 60034-1, in order to qualify them.

Keel en

Asendab EVS-EN 60034-18-1:2001

### **FprEN 60684-3-209**

Identne FprEN 60684-3-209:2008

ja identne IEC 60684-3-209:200X

Tähtaeg 1.03.2009

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

This standard 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 that 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

**FprEN 60684-3-116 & 117**

Identne FprEN 60684-3-116 &amp; 117:2008

ja identne IEC 60684-3-116 &amp; 117:200X

Tähtaeg 1.03.2009

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheets 116 and 117: Extruded polychloroprene, general purpose**

This standard gives the requirements for non-heat-shrinkable sleeving, extruded from compounds based on polychloroprene elastomer. Sleeving of this type is normally available with internal diameters up to 25 mm, and in the following opaque colours: black, brown, red, orange, yellow, green, blue, violet, grey, white and pink. Sizes or colours other than those specifically listed in this standard may be available as custom items. These items shall be considered to comply with this standard if they comply with the other property requirements listed in Table 2. 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 the application and not based on the specification alone.

Keel en

Asendab EVS-EN 60684-3-116 &amp; 117:2004

**FprEN 60851-2**

Identne FprEN 60851-2:2008

ja identne IEC 60851-2:200X

Tähtaeg 1.03.2009

**Winding wires - Test methods - Part 2: Determination of dimensions**

This part of IEC 60851 specifies the following method of test: – Test 4: Dimensions. For definitions, general notes on methods of test and the complete series of methods of test for winding wires see IEC 60851-1.

Keel en

Asendab EVS-EN 60851-2:2003; EVS-EN 60851-2:2003/A2:2004

**FprEN 61347-2-2**

Identne FprEN 61347-2-2:2008

ja identne IEC 61347-2-2:200X

Tähtaeg 1.03.2009

**Lampide juhtimiseseadised. Osa 2-2: Erinõuded hõõglampide alalis- või vahelduvvoolutoitega elektrooniliste pinget vähendavatele muunduritele**

This part of IEC 61347 specifies particular safety requirements for electronic step-down converters 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 and rated output voltage  $\leq 50$  V r.m.s. at a frequency deviating from the supply frequency or 120 V ripple free d.c. between conductors or between any conductor and earth, associated with tungsten-halogen lamps as specified in IEC 60357 and other filament lamps.

Keel en

Asendab EVS-EN 61347-2-2:2002; EVS-EN 61347-2-2:2002/A1:2006; EVS-EN 61347-2-2:2002/A2:2006

**FprEN 62192**

Identne FprEN 62192:2008

ja identne IEC 62192:200X

Tähtaeg 1.03.2009

**Live working - Insulating ropes**

This International Standard covers insulating ropes that are utilized during live working procedures in contact with parts of installations operating at voltages up to and including 800 kV r.m.s. Insulating ropes for live working procedure under rain and/or d.c. conditions are not covered by this standard.

Keel en

**FprEN 62333-3**

Identne FprEN 62333-3:2008

ja identne IEC 62333-3:200X

Tähtaeg 1.03.2009

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

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

Keel en

**31 ELEKTROONIKA****UUED STANDARDID****EVS-EN 61051-1:2008**

Hind 219,00

Identne EN 61051-1:2008

ja identne IEC 61051-1:2007

**Varistors for use in electronic equipment - Part 1: Generic specification**

This part of IEC 61051 is applicable to varistors with symmetrical voltage-current characteristics for use in electronic equipment.

Keel en

**EVS-EN 61076-3:2008**

Hind 178,00

Identne EN 61076-3:2008

ja identne IEC 61076-3:2008

**Connectors for electronic equipment - Product requirements - Part 3: Rectangular connectors - Sectional specification**

This part of IEC 61076 establishes uniform specifications and technical information for rectangular connectors. It should be used in conjunction with the generic specification IEC 61076-1:2006 for product requirements as the basis for preparation of consistent detail product specifications for rectangular connectors.

Keel en

Asendab EVS-EN 61076-3:2003

### **EVS-EN 61076-3-001:2008**

Hind 295,00

Identne EN 61076-3-001:2008

ja identne IEC 61076-3-001:2008

#### **Connectors for electronic equipment - Product requirements - Part 3-001: Rectangular connectors - Blank detail specification**

-

Keel en

Asendab EVS-EN 61076-3-001:2003

### **EVS-EN 61967-6:2003/A1:2008**

Hind 166,00

Identne EN 61967-6:2002/A1:2008

ja identne IEC 61967-6:2002/A1:2008

#### **Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz -- Part 6: Measurement of conducted emissions - Magnetic probe method**

Specifies a method for evaluating RF currents on the pins of an integrated circuit (IC) by means of non-contact current measurement using a miniature magnetic probe. This method is capable of measuring the RF currents generated by the IC over a frequency range of 0,15 MHz to 1 000 MHz.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 62384:2006/FprA1**

Identne EN 62384:2006/FprA1:2008

ja identne IEC 62384:2006/A1:200X

Tähtaeg 1.03.2009

#### **D.C. or A.C. supplied electronic control gear for LED modules - Performance requirements**

This international standard specifies performance requirements for electronic control gear for use on d.c. supplies up to 250 V and a.c. supplies up to 1 000 V at 50 Hz or 60 Hz with an output frequency which can deviate from the supply frequency, associated with LED modules according to IEC 62031. Control gear for LED modules specified in this standard are designed to provide constant voltage or current. Deviations from the pure voltage and current types do not exclude the gear from this standard.

Keel en

#### **FprEN 60603-7-41**

Identne FprEN 60603-7-41:2008

ja identne IEC 60603-7-41:200X

Tähtaeg 1.03.2009

#### **Connectors for electronic equipment - Part 7-41: Detail specification for 8-way, un- shielded, free and fixed connectors for data transmissions with frequencies up to 500 MHz**

This standard 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, including power sum alien (exogenous) crosstalk, for frequencies up to 500 MHz. These connectors are typically used as category 6A connectors in class EA 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

#### **FprEN 60603-7-51**

Identne FprEN 60603-7-51:2008

ja identne IEC 60603-7-51:200X

Tähtaeg 1.03.2009

#### **Connectors for electronic equipment - Part 7-41: Detail specification for 8-way, shielded, free and fixed connectors for data transmissions with frequencies up to 500 MHz**

This standard covers 8-way, shielded, free and fixed connectors, references dimensional, mechanical, electrical and environmental characteristics and tests in IEC 60603-7, and specifies electrical transmission requirements, including power sum alien (exogenous) crosstalk, for frequencies up to 500 MHz. These connectors are typically used as category 6A connectors in class EA 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 60603-7-1. These connectors are backward compatible with other IEC 60603-7 series connectors.

Keel en

#### **FprEN 60684-3-283**

Identne FprEN 60684-3-283:2008

ja identne IEC 60684-3-283:200X

Tähtaeg 1.03.2009

#### **Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 283: Heat-shrinkable, polyolefin sleeving, for bus-bar insulation**

This standard gives the requirements for two types of heat shrinkable, polyolefin sleeving for bus-bar insulation, with a nominal shrink ratio of 2,5:1. This sleeving has been found suitable up to temperatures of 100 °C Type A : Medium wall internal diameter up to 170,0 mm typically Type B : Thick wall internal diameter up to 165,0 mm typically These sleeveings are normally supplied in colour, red or brown. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Annex A, Tables 5 and 6, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

### **FprEN 61003-2**

Identne FprEN 61003-2:2008

ja identne IEC 61003-2:200X

Tähtaeg 1.03.2009

#### **Industrial-process control systems - Instruments with analogue inputs and two- or multi-state outputs - Part 2: Guidance for inspection and routine testing**

This part of IEC 61003 gives guidelines for inspection and routine testing of electrical and pneumatic instruments with two- or multi-state output, for instance, for acceptance tests or after repair. For a full evaluation, IEC 61003-1 shall be used. Whenever possible any test carried out is to be in accordance with IEC 61298. This part of IEC 61003 is applicable to electrical and pneumatic industrial-process instruments, using measured values that are continuous signals. The set point value may be either a mechanical (position, force, etc.) or a standard signal. These instruments may be used as controllers or as switches for alarms and other similar purposes. Quantitative criteria for acceptable performance should be established by agreement between manufacturer and user, and the report on the tests shall make clear which tests were carried out. The requirements of this standard shall be effective when agreed by the manufacturer and the user.

Keel en

### **FprEN 62496-3-1**

Identne FprEN 62496-3-1:2008

ja identne IEC 62496-3-1:200X

Tähtaeg 1.03.2009

#### **Optical circuit boards - Performance standard - Part 3-1: Flexible optical circuit boards using unconnectorized optical glass fibres**

This standard defines performance of flexible optical circuit boards (FOCBs) using unconnectorized optical glass fibres for controlled environment. This standard clarifies the requirements for quality classification of the flexible OCBs incorporating optical glass fibres.

Keel en

## **33 SIDETEHNIKA**

### **UUED STANDARDID**

#### **CLC/TR 50378-2-1:2008**

Hind 188,00

Identne CLC/TR 50378-2-1:2008

#### **Passive components to be used in optical fibre communication systems - Product specifications - Part 2-1: SC(SC2)-PC connector-type fixed optical attenuators using IEC 60793-2 Category B1.1 singlemode fibre**

This document reports the measurement results of a round robin test program carried out on SC/PC plug style fixed attenuators. The work was initiated at CENELEC TC 86BXA meeting in June 2003 in order to get a clear understanding on the accuracy and repeatability of the spectral attenuation loss measurements on fixed attenuators. Out of these results some recommendations are made for attenuation tolerance values that can be used in the performance standards.

Keel en

### **EVS-EN 50492:2008**

Hind 256,00

Identne EN 50492:2008

#### **Inimesele põhijaama läheduses toimiva elektromagnetvälja tugevuse kohapealse mõõtmise põhistandard**

This European Standard specifies in the vicinity of base station as defined in 3.2 the measurement methods, the measurement systems and the post processing that shall be used to determine in-situ the electromagnetic field for human exposure assessment in the frequency range 100 kHz to 300 GHz.

Keel en

### **EVS-EN 60793-2-50:2008**

Hind 219,00

Identne EN 60793-2-50:2008

ja identne IEC 60793-2-50:2008

#### **Optical fibres -- Part 2-50: Product specifications - Sectional specification for class B single-mode fibres**

This part of IEC 60793 is applicable to optical fibre types B1.1, B1.2, B1.3, and categories B2, B4, B5 and B6. A map illustrating the connection of IEC designations to ITU-T designations is shown in Annex I. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.

Keel en

Asendab EVS-EN 60793-2-50:2003

### **EVS-EN 60794-3-30:2008**

Hind 178,00

Identne EN 60794-3-30:2008

ja identne IEC 60794-3-30:2008

#### **Optical fibre cables -- Part 3-30: Outdoor cables - Family specification for optical telecommunication cables for lakes, river crossings and coastal application**

This family specification covers optical telecommunication cables to be used as underwater cables for lakes, river crossings and coastal applications. Requirements of the sectional specification IEC 60794-3 for duct, buried, aerial and lake, river crossings and coastal applications cables are applicable to cables covered by this standard. This standard does not cover methods of cable repair nor repair capability, nor does it cover cables for use with lake, river crossings and coastal applications line amplifiers.

Keel en

Asendab EVS-EN 60794-3-30:2003

### **EVS-EN 61300-2-44:2008**

Hind 114,00

Identne EN 61300-2-44:2008

ja identne IEC 61300-2-44:2008

#### **Fibre optic interconnecting devices and passive components - Basic test and measurement procedures -- Part 2-44: Tests - Flexing of the strain relief of fibre optic devices**

This part of IEC 61300 specifies a test to determine the influence of a flexing under tensile load of the strain relief of fibre optic devices. The intension is to simulate the number of flexing which would typically be experienced during service. This test is applied to both single fibre cable and multiple fibre cable.

Keel en

Asendab EVS-EN 61300-2-44:2005

**EVS-EN 61606-3:2008**

Hind 229,00

Identne EN 61606-3:2008

ja identne IEC 61606-3:2008

**Audio and audiovisual equipment - Digital audio parts - Basic measurements methods of audio characteristics -- Part 3: Professional use**

This part of IEC 61606 is applicable to the basic measurement methods of audio equipment for professional use. The definitions, measuring conditions and methods common to both consumer and professional equipment are described in the IEC 61606-1. This standard contains details of definitions and measuring conditions and methods applicable to professional equipment which differ from those described in IEC 61606-1. This standard excludes consideration of - measurement of low-quality audio devices, - measurement of low-bit-rate audio devices ('sub-band' or 'perceptual' coding devices), - measurement of devices which significantly modify time or frequency characteristics of the signal, such as pitch shifters or reverberators, - measurement of signals from analogue input to analogue output, beyond the most general, - EMC and safety related testing.

Keel en

**EVS-EN 300 086-1 V1.3.1:2008**

Hind 256,00

Identne EN 300 086-1 V1.3.1:2008

**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 V1.2.1:2008**

Hind 145,00

Identne EN 300 086-2 V1.2.1:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Eeskätt analoogkõne jaoks mõeldud raadiosagedusliku sise- või välisühendusega raadioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohüete alusel**

Keel en

**EVS-EN 300 175-5 V2.2.1:2008**

Hind 504,00

Identne EN 300 175-5 V2.2.1:2008

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 5: Network (NWK) layer**

Keel en

**EVS-EN 300 175-1 V2.2.1:2008**

Hind 188,00

Identne EN 300 175-1 V2.2.1:2008

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 1: Overview**

Keel en

**EVS-EN 300 175-2 V2.2.1:2008**

Hind 271,00

Identne EN 300 175-2 V2.2.1 :208

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 2: Physical Layer (PHL)**

Keel en

**EVS-EN 300 175-3 V2.2.1:2008**

Hind 473,00

Identne EN 300 175-3 V2.2.1 :2008

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 3: Medium Access Control (MAC) layer**

Keel en

**EVS-EN 300 175-4 V2.2.1:2008**

Hind 377,00

Identne EN 300 175-4 V2.2.1:2008

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 4: Data Link Control (DLC) layer**

Keel en

**EVS-EN 300 175-6 V2.2.1:2008**

Hind 229,00

Identne EN 300 175-6 V2.2.1:2008

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 6: Identities and addressing**

Keel en

**EVS-EN 300 175-7 V2.2.1:2008**

Hind 336,00

Identne EN 300 175-7 V2.2.1:2008

**Digital Enhanced Cordless Telecommunications (DECT);Common Interface (CI);Part 7: Security features**

Keel en

**EVS-EN 300 444 V2.1.1:2008**

Hind 356,00

Identne EN 300 444 V2.1.1:2008

**Digital Enhanced Cordless Telecommunications (DECT);Generic Access Profile (GAP)**

Keel en

**EVS-EN 301 166-1 V1.3.1:2008**

Hind 315,00

Identne EN 301 166-1 V1.3.1:2008

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Land Mobile Service;Radio equipment for analogue and/or digital communication (speech and/or data) and operating on narrow band channels and having an antenna connector;Part 1: Technical characteristics and methods of measurement**

Keel en

**EVS-EN 301 166-2 V1.2.2:2008**

Hind 155,00

Identne EN 301 166-2 V1.2.2:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Antenni ühendusega kitsaribalisel kanalil töötavad analoog- ja/või digitaalside (kõne ja /või andmeedastus) raadioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohüete alusel**

Keel en

**EVS-EN 301 192 V1.4.2:2008**

Hind 295,00

Identne EN 301 192 V1.4.2 :2008

**Digital Video Broadcasting (DVB);DVB specification for data broadcasting**

Keel en

**EVS-EN 301 357-1 V1.4.1:2008**

Hind 256,00

Identne EN 301 357-1 V1.4.1:2008

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Cordless audio devices in the range 25 MHz to 2 000 MHz; Part 1: Technical characteristics and test methods**

Keel en

**EVS-EN 301 357-2 V1.4.1:2008**

Hind 135,00

Identne EN 301 357-2 V1.4.1:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Raadiosagedusalas 25 MHz kuni 2000 MHz töötavad juhtmeta audioseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**EVS-EN 301 489-6 V1.3.1:2008**

Hind 145,00

Identne EN 301 489-6 V1.3.1:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM). Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard. Osa 6: Eritingimused raadiotelefonisüsteemi (DECT) seadmetele**

Keel en

**EVS-EN 301 893 V1.5.1:2008**

Hind 271,00

Identne EN 301 893 V1.5.1:2008

**Lairiba raadiojuurdepääsuvõrgud (BRAN); Raadiosagedusalas 5 GHz töötavate suure edastuskiirusega RLAN seadmed; Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**EVS-EN 302 208-1 V1.2.1:2008**

Hind 256,00

Identne EN 302 208-1 V1.2.1:2008

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W; Part 1: Technical requirements and methods of measurement**

Keel en

**EVS-EN 302 208-2 V1.2.1:2008**

Hind 135,00

Identne EN 302 208-2 V1.2.1:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Raadiosagedusalas 865 MHz kuni 868 MHz võimsusega kuni 2 W töötavad raadiosageduslikud identifitseerimiseseadmed; Osa 2: Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**EVS-EN 302 571 V1.1.1:2008**

Hind 229,00

Identne EN 302 571 V1.1.1 :2008

**Intelligentsed transpordi süsteemid (ITS); Sagedusvahemikus 5855 MHz kuni 5925 MHz töötavad raadioseadmed; Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**EVS-EN 302 608 V1.1.1:2008**

Hind 198,00

Identne EN 302 608 V1.1.1 :2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed (SRD); Raudteesidesüsteemi Eurobalise raadioseadmed; Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**EVS-EN 302 609 V1.1.1:2008**

Hind 178,00

Identne EN 302 609 V1.1.1:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed; Raudteesidesüsteemi Euroloop raadioseadmed; Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**EVS-EN 302 248 V1.1.2:2008**

Hind 198,00

Identne EN 302 248 V1.1.2:2008

**Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Navigatsiooniradarid SOLAS konventsiooniga hõlmamata laevadel; Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhiohute alusel**

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****EN 14010:2004/prA1**

Identne EN 14010:2003/prA1:2008

Tähtaeg 1.03.2009

**Masinate ohutus. Seadmed mootorsõidukite parkimiseks mootorsõidukite abil. Ohutus ja elektromagnetilise ühilduvuse nõuded seadmete projekteerimisel, tootmisel, paigaldamisel ja kasutuselevõtul**

This European Standard deals with the technical requirements to minimise the risks due to the hazards listed in clause 4, which can arise during installation<sup>1</sup>, operation and maintenance of permanently installed equipment and systems for the power driven parking of motor vehicles, as defined in 3.1 to 3.4 below. Requirements are also given on the provision of information for use, which includes requirements for the drafting of the instructions. Electromagnetic compatibility requirements are also covered.

Keel en

**EN 300 065-1 V1.2.1**

Identne EN 300 065-1 V1.2.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 300 175-8 V2.2.0**

Identne EN 300 175-8 V2.2.0 :2008

Tähtaeg 16.02.2009

**Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech and audio coding and transmission**

Keel en

**EN 300 296-1 V1.2.1**

Identne EN 300 296-1 V1.2.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 300 296-2 V1.2.1**

Identne EN 300 296-2 V1.2.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive**

Keel en

**EN 300 440-1 V1.5.1**

Identne EN 300 440-1 V1.5.1:2008

Tähtaeg 16.02.2009

**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**

Keel en

**EN 300 440-2 V1.3.1**

Identne EN 300 440-2 V1.3.1:2008

Tähtaeg 16.02.2009

**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 essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 300 468 V1.9.1**

Identne EN 300 468 V1.9.1

Tähtaeg 16.02.2009

**Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB systems**

Keel en

**EN 301 489-29 V1.1.1**

Identne EN 301 489-29 V1.1.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 29: Specific conditions for Medical Data Service Devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands**

Keel en

**EN 301 489-12 V2.2.2**

Identne EN 301 489-12 V2.2.2:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS)**

Keel en

**EN 301 489-33 V1.1.1:2**

Identne EN 301 489-33 V1.1.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 33: Specific conditions for Ultra Wide Band (UWB) communications devices**

Keel en

**EN 302 217-4-2 V1.4.1**

Identne 302 217-4-2 V1.4.1:2008

Tähtaeg 16.02.2009

**Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 4-2: Antennas; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 302 217-4-1 V1.3.1**

Identne EN 302 217-4-1 V1.3.1:2008

Tähtaeg 16.02.2009

**Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 4-1: System-dependent requirements for antennas**

Keel en

**EN 302 500-1 V1.2.1**

Identne EN 302 500-1 V1.2.1:2008

Tähtaeg 16.02.2009

**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 8,5 GHz; Part 1: Technical characteristics and test methods**

Keel en

**EN 302 500-2 V1.2.1**

Identne EN 302 500-2 V1.2.1:2008

Tähtaeg 16.02.2009

**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 8,5 GHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 302 544-2 V1.1.0**

Identne EN 302 544-2 V1.1.0 : (2008)

Tähtaeg 16.02.2009

**Broadband Data Transmission Systems operating in the 2 500 MHz to 2 690 MHz frequency band; Part 2: TDD User Equipment Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 302 617-1 V1.1.1**

Identne EN 302 617-1 V1.1.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement**

Keel en

**EN 302 623 V1.1.0**

Identne EN 302 623 V1.1.0:2008

Tähtaeg 16.02.2009

**Broadband Wireless Access Systems (BWA) in the 3 400 MHz to 3 800 MHz frequency band; Mobile Terminal Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 302 752 V1.1.1**

Identne EN 302 752 V1.1.1:2008

Tähtaeg 16.02.2009

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Active radar target enhancers; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive**

Keel en

**EN 55013:2002/FprISA**

Identne EN 55013:2001/FprISA:2008

Tähtaeg 1.03.2009

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

Applies to the emission of broadband and narrowband electromagnetic energy which may cause interference to radio reception and which is emitted from: a) vehicles propelled by an internal combustion engine, electrical means, or both; b) boats propelled by an internal combustion engine, electrical means, or both. c) devices equipped with internal combustion engines. This standard includes limits and test methods for both broadband and narrowband emissions. The limits are designed to provide protection for broadcast receivers in the frequency range of 30 MHz to 1000 MHz when used in a residential environment.

Keel en

**EN 55020:2007/FprISA**

Identne EN 55020:2007/FprISA:2008

Tähtaeg 1.03.2009

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

Applies to television broadcast receivers, sound broadcast receivers and associated equipment intended for use in the residential, commercial and light industrial environment. Describes the methods of measurement and specified limits applicable to sound and television receivers and to associated equipment with regard to their immunity characteristics to disturbing signals. This standard is also applicable to the immunity of outdoor units of direct to home (DTH) satellite receiving systems for individual reception. Defines the immunity test requirements for equipment defined in the scope in relation to continuous and transient, conducted and radiated disturbances including electrostatic discharges. Immunity requirements are given in the frequency range 0 Hz to 400 GHz. Test requirements are specified for each port (enclosure or connector) considered.

Keel en

**FprEN 60728-11**

Identne FprEN 60728-11:2008

ja identne IEC 60728-11:200X

Tähtaeg 1.03.2009

**Televisiooni-, helindus- ja interaktiivsüsteemide kaabelvõrgud. Osa 11: Ohutus**

This part of IEC 60728 deals with the safety requirements applicable to fixed sited systems and equipment. As far as applicable, it is also valid for mobile and temporarily installed systems, for example, caravans. Additional requirements may be applied, for example, referring to • electrical installations of buildings and overhead lines; • other telecommunication services distribution systems; • water distribution systems; • gas distribution systems; • lightning systems. This standard is intended to provide specifically for the safety of the system, personnel working on it, subscribers and subscriber equipment. It deals only with safety aspects and is not intended to define a standard for the protection of the equipment used in the system.

Keel en

Asendab EVS-EN 60728-11:2006

**FprEN 61000-4-20**

Identne FprEN 61000-4-20:2008

ja identne IEC 61000-4-20:200X

Tähtaeg 1.03.2009

**Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in Transverse Electromagnetic (TEM) waveguides - Basic EMC publication**

This part of IEC 61000 relates to emission and immunity test methods for electrical and electronic equipment using various types of transverse electromagnetic (TEM) waveguides. This includes open (for example, striplines and EMP simulators) and closed (for example, TEM cells) structures, which can be further classified as one-, two-, or multi-port TEM waveguides. The frequency range depends on the specific testing requirements and the specific TEM waveguide type.

Keel en

Asendatud EVS-EN 61000-4-20:2003



**FprEN 61000-4-20(fragment 1)**

Identne FprEN 61000-4-20:2008(fragment 1)

ja identne IEC 61000-4-20:200X(fragment 1)

Tähtaeg 1.03.2009

**Electromagnetic compatibility (EMC) - Part 4-20: Testing and measurement techniques - Emission and immunity testing in Transverse Electromagnetic (TEM) waveguides - Basic EMC publication**

This part of IEC 61000 relates to emission and immunity test methods for electrical and electronic equipment using various types of transverse electromagnetic (TEM) waveguides. This includes open (for example, striplines and EMP simulators) and closed (for example, TEM cells) structures, which can be further classified as one-, two-, or multi-port TEM waveguides. The frequency range depends on the specific testing requirements and the specific TEM waveguide type.

Keel en

Asendatud EVS-EN 61000-4-20:2003

**FprEN 61300-3-22**

Identne FprEN 61300-3-22:2008

ja identne IEC 61300-3-22:200X

Tähtaeg 1.03.2009

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-22: Examinations and measurements - Ferrule compression force**

This part of IEC 1300 describes the procedure to measure the spring-loaded force applied to a ferrule when the plugs mate with each other during normal service. This measurement procedure is applicable to a connector plug which has a spring-loaded ferrule.

Keel en

Asendab EVS-EN 61300-3-22:2002

**FprEN 61394**

Identne FprEN 61394:2008

ja identne IEC 61394:200X

Tähtaeg 1.03.2009

**Overhead lines - Requirements for greases for aluminium, aluminium alloy and steel bare conductors**

This standard specifies the requirements and tests of greases designed for corrosion protection of bare overhead conductors.

Keel en

**FprEN 61746-1**

Identne FprEN 61746-1:2008

ja identne IEC 61746-1:200X

Tähtaeg 1.03.2009

**Calibration of Optical Time-Domain Reflectometers (OTDR) - Part 1: OTDR for single-mode fibres**

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

Keel en

Asendab EVS-EN 61746:2005

**FprEN 61937-11**

Identne FprEN 61937-11:2008

ja identne IEC 61937-11:200X

Tähtaeg 1.03.2009

**Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS**

This part of IEC 61937 describes the method to convey non-linear PCM bitstreams encoded according to the MPEG-4 AAC format and its extensions Spectral Band Replication, Parametric Stereo and MPEG Surround, framed in MPEG-4 LATM/LOAS.

Keel en

**FprEN 61978-1**

Identne FprEN 61978-1:2008

ja identne IEC 61978-1:200X

Tähtaeg 1.03.2009

**Fibre optic interconnecting devices and passive components - Fibre optic passive chromatic dispersion compensators - Part 1: Generic specification**

This part of IEC 61978-1 applies to fibre optic passive chromatic dispersion compensators, all exhibiting the following features: - they are optically passive; - they have an optical input and an optical output for transmitting optical power; - the ports are optical fibres or optical fibre connectors; - they are wavelength sensitive; - they may be polarization sensitive. This standard establishes uniform requirements for the following points: - passive chromatic dispersion compensator requirements;

Keel en

Asendab EVS-EN 61978-1:2002

**FprEN 62516-1**

Identne FprEN 62516-1:2008

ja identne IEC 62516-1:200X

Tähtaeg 1.03.2009

**Terrestrial digital multimedia broadcasting (t-dmb) receivers - Part 1: Basic requirement**

This part of IEC 62516 specifies the characteristics and minimum required performance for terrestrial digital multimedia broadcasting (T-DMB) receivers. The contents of this standard include T-DMB system information, video, audio, and MPEG-4 BIFS data.

Keel en

**prEN 50377-8-10**

Identne prEN 50377-8-10:2008

Tähtaeg 1.03.2009

**Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 8-10: Type LSH-APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 single mode fibre with titanium composite ferrule for Category C**

This standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled singlemode resilient alignment sleeve LSH-APC simplex connector set (plug-adaptor-plug), adaptor and patchcord must meet in order for it to be categorised as an EN standard product.

Keel en

### prEN 50377-8-11

Identne prEN 50377-8-11:2008

Tähtaeg 1.03.2009

**Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 8-11: Type LSH-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 single mode fibre with titanium composite ferrule for Category C**

This standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled singlemode resilient alignment sleeve LSH-PC simplex connector set (plug-adaptor-plug), adaptor and patchcord must meet in order for it to be categorised as an EN standard product.

Keel en

### prEN 50377-8-12

Identne prEN 50377-8-12:2008

Tähtaeg 1.03.2009

**Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 8-12: Type LSH-APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 single mode fibre with titanium composite ferrule for Category U**

This standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled singlemode resilient alignment sleeve LSH-APC simplex connector set (plug-adaptor-plug), adaptor and patchcord must meet in order for it to be categorised as an EN standard product.

Keel en

### prEN 50377-8-13

Identne prEN 50377-8-13:2008

Tähtaeg 1.03.2009

**Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 8-13: Type LSH-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 single mode fibre with titanium composite ferrule for Category U**

This standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled singlemode resilient alignment sleeve LSH-PC simplex connector set (plug-adaptor-plug), adaptor and patchcord must meet in order for it to be categorised as an EN standard product.

Keel en

## 35 INFOTEHNOLOOGIA. KONTORISEADMED

### UUED STANDARDID

#### CEN ISO/TS 24534-1:2007

Hind 155,00

Identne CEN ISO/TS 24534-1:2007

ja identne ISO/TS 24534-1:2007

**Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 1: Architecture**

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for:- electronic identification of local and foreign vehicles by national authorities,- vehicle manufacturing, in-life maintenance and end-of-life identification (vehicle life cycle management),- adaptation of vehicle data (e.g. for international resales),- safety-related purposes,- crime reduction, and- commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 provides an overview of the ERI system concept, in terms of the onboard vehicle components and the external off-vehicle components required for an operational system. The detailed requirements are defined in the Parts 2, 3, 4 and 5 of ISO 24534 and for the more limited, relevant provisions of ISO 24535.

Keel en

Asendatud prEN ISO 24534-1

#### CLC/TR 50173-99-1:2007

Hind 198,00

Identne CLC/TR 50173-99-1:2007

**Cabling guidelines in support of 10 GBASE-T**

This Technical Report a) specifies the transmission performance for channels to support 10 GBASE-T as specified in IEEE 802.3an, b) specifies the methods to assess whether installed Class E and Class F channels meet IEEE 802.3an requirements, c) provides mitigation techniques to improve the performance of an existing installation to meet the IEEE 802.3an requirements.

Keel en

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

Hind 256,00

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

**CWA 15903:2008**

Hind 166,00

Identne CWA 15903:2008

**Metadata for Learning Opportunities (MLO) - Advertising**

This standard defines the electronic representation of Learning Opportunities in order to facilitate their advertising and subsequent discovery by prospective learners. Key users of the standard will be: - those who provide opportunities for learning and wish to advertise them; - those who offer electronic search services that aggregate results from multiple Learning Opportunity providers; - those who wish to compare Learning Opportunities that have been represented electronically. The standard presents an abstract model for representing Learning Opportunities. The model specifies three resources about which metadata can be stored to facilitate advertising of Learning Opportunities: 1. Learning Opportunity Provider; 2. Learning Opportunity Specification; and 3. Learning Opportunity Instance. The standard specifies relations between the three resources and recommends a core set of metadata for each.

Keel en

**EVS-EN 14116:2007+A1:2008**

Hind 219,00

Identne EN 14116:2007+A1:2008

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

This European Standard covers the digital interface at the product loading and/or discharge coupling which shall be used for the transfer of product related information and specifies the performance requirements, critical safety aspects and tests to provide compatibility of devices

Keel en

Asendab EVS-EN 14116:2007

**EVS-EN 14890-2:2008**

Hind 295,00

Identne EN 14890-2:2008

**Application Interface for smart cards used as Secure Signature Creation Devices - Part 2: Additional Services**

Part 2 of this series contains Identification, Authentication and Digital Signature (IAS) services in addition to the SSCD services already described in Part 1 to enable interoperability and usage for IAS on a national or European level. This part describes additional functionality to support generic Identification, Authentication and Digital Signature (IAS) services. It contains the functionality of Part 2 of CEN CWA 14890. This covers key decipherment and client (card holder) server authentication, signature verification and related cryptographic token information. - Additionally this document is enhanced in respect to - Client-Server (C/S) Authentication Protocols with ELC and their description in DF.CIA - Identity management on base of C/S Authentication - Card capability description and Application Capability Description The following items are out of scope: 1. The physical, electrical and transport protocol characteristics of the card, 2. The error handling process.

Keel en

**EVS-EN ISO 9241-300:2008**

Hind 114,00

Identne EN ISO 9241-300:2008

ja identne ISO 9241-300:2008

**Ergonomics of human-system interaction - Part 300: Introduction to electronic visual display requirements**

This part of ISO 9241 provides an introduction to the other parts in the ISO 9241 "300" subseries, and explains its modular structure. The ISO 9241 "300" subseries establishes requirements for the ergonomic design of electronic visual displays. These requirements are stated as performance specifications, aimed at ensuring effective and comfortable viewing conditions for users with normal or adjusted-to-normal eyesight. Test methods and metrology, yielding conformance measurements and criteria, are provided for design evaluation. The ISO 9241 "300" subseries is applicable to the visual ergonomics design of electronic visual displays for a diversity of tasks in a wide variety of work environments.

Keel en

**EVS-EN ISO 9241-302:2008**

Hind 315,00

Identne EN ISO 9241-302:2008

ja identne ISO 9241-302:2008

**Ergonomics of human-system interaction - Part 302: Terminology for electronic visual displays**

This part of ISO 9241 provides a comprehensive terminology for electronic visual displays and explains the terms and definitions used in the other parts of ISO 9241.

Keel en

**EVS-EN ISO 9241-303:2008**

Hind 243,00

Identne EN ISO 9241-303:2008

ja identne ISO 9241-303:2008

**Ergonomics of human-system interaction - Part 303: Requirements for electronic visual displays**

This part of ISO 9241 establishes image-quality requirements, as well as providing guidelines, for electronic visual displays. These are given in the form of generic — independent of technology, task and environment — performance specifications and recommendations that will ensure effective and comfortable viewing conditions for users with normal or adjusted-to-normal eyesight. This part of ISO 9241 does not address issues of accessibility for people with disabilities. However, it does take into account aspects of the eyesight of older people and could be of value to people dealing with issues of visual impairment in certain cases: the specification of essential characteristics for normal viewing can be used to gauge the severity of different visual abnormalities so that appropriate solutions can be identified.

Keel en

### **EVS-EN ISO 9241-304:2008**

Hind 166,00

Identne EN ISO 9241-304:2008

ja identne ISO 9241-304:2008

#### **Ergonomics of human-system interaction - Part 304: User performance test methods for electronic visual displays**

This part of ISO 9241 provides guidance for assessing the visual ergonomics of display technologies with user performance test methods (as opposed to the optical test methods given in ISO 9241-305). Its use will help to ensure that, for a given context of use, a display meets minimum visual ergonomics requirements. It covers only visual attributes and does not address the ergonomics or usability of the whole product that houses a visual display.

Keel en

### **EVS-EN ISO 9241-305:2008**

Hind 394,00

Identne EN ISO 9241-305:2008

ja identne ISO 9241-305:2008

#### **Ergonomics of human-system interaction - Part 305: Optical laboratory test methods for electronic visual displays**

This part of ISO 9241 establishes optical test and expert observation methods for use in predicting the performance of a display vis-à-vis the ergonomics requirements given in ISO 9241-303.

Keel en

### **EVS-EN ISO 9241-306:2008**

Hind 243,00

Identne EN ISO 9241-306:2008

ja identne ISO 9241-306:2008

#### **Ergonomics of human-system interaction - Part 306: Field assessment methods for electronic visual displays**

This part of ISO 9241 establishes optical, geometrical and visual inspection methods for the assessment of a display in various contexts of use according to ISO 9241-303.

Keel en

### **EVS-EN ISO 9241-307:2008**

Hind 415,00

Identne EN ISO 9241-307:2008

ja identne ISO 9241-307:2008

#### **Ergonomics of human-system interaction - Part 307: Analysis and compliance test methods for electronic visual displays**

This part of ISO 9241 establishes test methods for the analysis of a variety of visual display technologies, tasks and environments. It uses the measurement procedures of ISO 9241-305 and the generic requirements of ISO 9241-303 to define compliance routes suitable for the different technologies and intended context of use.

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **CLC/TR 61158-1:2004**

Identne CLC/TR 61158-1:2004

ja identne IEC/TR 61158-1:2003

#### **Digital data communications for measurement and control - Fieldbus for use in industrial control systems -- Part 1: Overview and guidance for the IEC 61158 series**

Is a Technical Report presenting an overview and guidance for the EN 61158 series. Explains the structure and content of EN 61158, shows how to use it in combination with EN 61784, and relates the structure to the ISO/IEC 7498 OSI Basic Reference Model.

Keel en

Asendatud CLC/TR 61158-1:2008

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN ISO 11161:2007/prA1**

Identne EN ISO 11161:2007/prA1:2008

ja identne ISO 11161:2007/DAM 1:2008

Tähtaeg 1.03.2009

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

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

Keel en

#### **EN ISO 16484-5:2008/prA1**

Identne EN ISO 16484-5:2008/prA1:2008

ja identne ISO 16484-5:2008/FDAM 1:2008

5:2008/FDAM 1:2008

Tähtaeg 1.03.2009

#### **Building automation and control systems — Part 5: Data communication protocol**

This part of ISO 16484 defines data communication services and protocols for computer equipment used for monitoring and control of heating, ventilation, air-conditioning and refrigeration (HVAC&R) and other building systems. It defines, in addition, an abstract, object-oriented representation of information communicated between such equipment, thereby facilitating the application and use of digital control technology in buildings. The scope and field of application are furthermore detailed in Clause 2 of the enclosed ANSI/ASHRAE publication.

Keel en

**FprEN 62439-1**

Identne FprEN 62439-1:2008

ja identne IEC 62439-1:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 1: General concepts and calculation methods (including RSTP)**

The IEC 62439 series is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This part of the IEC 62439 series specifies

- The common elements and definitions for other Parts of the IEC 62439 series;
- The conformance test specification (normative)
- A classification scheme for network characteristics (informative);
- A methodology for estimating network availability (informative);
- The configuration rules, calculation and measurement method for a deterministic recovery time in RSTP.

Keel en

Asendab EVS-EN 62439:2008

**FprEN 62439-2**

Identne FprEN 62439-2:2008

ja identne IEC 62439-2:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 2: Media Redundancy Protocol (MRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a recovery protocol based on a ring topology, designed to react deterministically on a single failure of an inter-switch link or switch in the network, under the control of a dedicated media redundancy manager node.

Keel en

**FprEN 62439-3**

Identne FprEN 62439-3:2008

ja identne IEC 62439-3:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High availability Seamless Ring (HSR)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a redundancy protocol based on the duplication of the network, designed to provide seamless recovery in case of single failure of an inter-switch link or switch in the network.

Keel en

**FprEN 62439-4**

Identne FprEN 62439-4:2008

ja identne IEC 62439-4:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 4: Cross-network Redundancy Protocol (CRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a redundancy protocol that is based on the duplication of the network, the redundancy protocol being executed within the end nodes, as opposed to a redundancy protocol built in the switches. The switchover decision is taken in each node individually. The cross-network connection capability enables single attached end nodes to be connected on either of the two networks.

Keel en

**FprEN 62439-5**

Identne FprEN 62439-5:2008

ja identne IEC 62439-5:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 5: Beacon Redundancy Protocol (BRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a redundancy protocol that is based on the duplication of the network, the redundancy protocol being executed within the end nodes, as opposed to a redundancy protocol built in the switches. Fast error detection is provided by two beacon nodes, the switchover decision is taken in every node individually. The cross-network connection capability enables single attached end nodes to be connected on either of the two networks.

Keel en

**FprEN 62439-6**

Identne FprEN 62439-6:2008

ja identne IEC 62439-6:200X

Tähtaeg 1.03.2009

**Industrial communication networks high availability automation networks - Part 6: Distributed Redundancy Protocol (DRP)**

This International Standard is applicable to high-availability automation networks based on the ISO/IEC 8802-3 (Ethernet) technology. This International Standard specifies a recovery protocol based on a ring topology, designed to react deterministically on a single failure of an inter-switch link or switch in the network. Each switch has equal management role in the network. Double rings are supported.

Keel en

**prEN ISO 6709**

Identne prEN ISO 6709:2008

ja identne ISO 6709:2008

Tähtaeg 1.03.2009

**Standard representation of geographic point location by coordinates**

This International Standard is applicable to the interchange of coordinates describing geographic point location. It specifies the representation of coordinates, including latitude and longitude, to be used in data interchange. It additionally specifies representation of horizontal point location using coordinate types other than latitude and longitude. It also specifies the representation of height and depth that may be associated with horizontal coordinates. Representation includes units of measure and coordinate order. This International Standard is not applicable to the representation of information held within computer memories during processing and in their use in registers of geodetic codes and parameters.

Keel en

**prEN ISO 19146**

Identne prEN ISO 19146:2008

ja identne ISO/DIS 19146:2008

Tähtaeg 1.03.2009

**Geographic information - Cross-domain vocabularies**

This International Standard defines a methodology for cross-mapping technical vocabularies that have been adopted by industry-specific geospatial communities. It also specifies an implementation of ISO 19135 (Geographic information — Procedures for item registration) for the registration of geographic information concepts for the purpose of integrating multiple domain-based vocabularies. Methodologies for the development of ontologies and taxonomies that relate to geographic information and geomatics are not within the scope of this International Standard.

Keel en

**prEN ISO 24534-1**

Identne prEN ISO 24534-1:2008

ja identne ISO/DIS 24534-1:2008

Tähtaeg 1.03.2009

**Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 1: Architecture**

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for: - electronic identification of local and foreign vehicles by national authorities; - vehicle manufacturing, in-life maintenance and end-of-life identification (vehicle life cycle management); - adaptation of vehicle data (e.g. for international resales); - safety-related purposes; - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 provides an overview of the ERI system concept, in terms of the onboard vehicle components and the external off-vehicle components required for an operational system. The detailed requirements are defined in the Parts 2, 3, 4 and 5 of ISO 24534 and for the more limited, relevant provisions of ISO 24535.

Keel en

Asendab CEN ISO/TS 24534-1:2007

**prEN ISO 24534-2**

Identne prEN ISO 24534-2:2008

ja identne ISO/DIS 24534-2:2008

Tähtaeg 1.03.2009

**Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 2: Operational requirements**

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for: - electronic identification of local and foreign vehicles by national authorities; - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management); - adaptation of vehicle data (e.g. for international resales); - safety-related purposes; - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 defines the operational requirements for the remaining parts of ISO/TS 24534 and the more limited but relevant provisions of ISO 24535. Whilst the definition of the organizational framework required to implement, operate and maintain an ERI system is outside the scope of this part of ISO/TS 24534, a list of potential stakeholders in the public and private sector has been included.

Keel en

Asendab CEN ISO/TS 24534-2:2008

**prEN ISO 24534-3**

Identne prEN ISO 24534-3:2008

ja identne ISO/DIS 24534-3:2008

Tähtaeg 1.03.2009

**Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 3: Vehicle data**

This part of ISO/TS 24534 provides the requirements for an Electronic Registration Identification (ERI) that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for: - electronic identification of local and foreign vehicles by national authorities, - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management), - adaptation of vehicle data, e.g. in case of international re-sales,

Keel en

Asendab CEN ISO/TS 24534-3:2008

#### **prEN ISO 24534-4**

Identne prEN ISO 24534-4:2008

ja identne ISO/DIS 24534-4:2008

Tähtaeg 1.03.2009

#### **Automatic vehicle and equipment identification - Electronic Registration Identification (ERI) for vehicles - Part 4: Secure communications using asymmetrical techniques**

This part of EN ISO 24534 provides the requirements for an Electronic Registration Identification (ERI) that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for: - electronic identification of local and foreign vehicles by national authorities, - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management), - adaptation of vehicle data, e.g. in case of international re-sales, - safety-related purposes, - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of EN ISO 24534 specifies the interfaces for a secure exchange of data between an ERT and an ERI reader or ERI writer in or outside the vehicle using asymmetric encryption techniques.

Keel en

Asendab CEN ISO/TS 24534-4:2008

#### **prEVS-ISO/IEC 12207**

ja identne ISO/IEC 12207:2008

Tähtaeg 1.03.2009

#### **Infotehnoloogia. Tarkvara elutsükli protsessid (ISO/IEC 12207:2008)**

Standard kehtestab tarkvara elutsükli protsesside tarbeks üldise, täpselt määratletud terminoloogiaga raamstruktuuri, millele saab viidata tarkvara valdkonnas. See struktuur sisaldab protsesse, tegevusi ja töid, mida tuleb rakendada tarkvaratoote või -teenuse hankimisel ning tarkvaratoodete tarnimisel, väljatöötamisel, käitamisel, hooldamisel ja kõrvaldamisel. Tarkvara hõlmab ka püsivara tarkvaraosa. See standard puudutab organisatsioonisisest või -välist süsteemide ning tarkvaratoodete ja -teenuste hankimist, tarkvaratoodete ja süsteemi tarkvaraosa tarnimist, väljatöötamist, käitust, hooldust ja kõrvaldamist. Standard hõlmab ka neid süsteemi määratluse aspekte, mis on vajalikud tarkvaratoodete ja -teenuste kontekstina. Standard annab ka protsessi, mida saab rakendada tarkvara elutsükli protsesside määratlemiseks, juhtimiseks ja täiustamiseks. Selle standardi protsesse, tegevusi ja töid võib – eraldi või seoses standardiga ISO/IEC 15288 – rakendada ka tarkvara sisaldava süsteemi hankimisel.

Keel et

Asendab EVS-ISO/IEC 12207:1998; EVS-ISO/IEC 12207:1998/A1:2004; EVS-ISO/IEC 12207:1998/A2:2006

## **43 MAANTEESÕIDUKITE EHITUS**

### **UUED STANDARDID**

#### **EVS-EN 15532:2008**

Hind 243,00

Identne EN 15532:2008

#### **Cycles - Terminology**

This European Standard defines a description of common terms and symbols used in the field of bicycles. The terms are classified under a nomenclature of different parts of bicycles and presented in English, French, German, Dutch and Italian.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 50325-5**

Identne prEN 50325-5:2008

Tähtaeg 1.03.2009

#### **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 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

## **45 RAUDTEETEHNIKA**

### **UUED STANDARDID**

#### **CLC/TS 45545-5:2008**

Hind 135,00

Identne CLC/TS 45545-5:2008

#### **Raudteealased rakendused. Raudteeveeremi tuleohutus. Osa 5: Tuleohutusnõuded elektriseadmetele, kaasa arvatud trollibusside, rööbasbusside ja magnethõljukrongide elektriseadmed**

This Part 5 specifies the fire safety requirements for electrical equipment on railway vehicles, including that of trolley buses, track guided buses and magnetic levitation vehicles. The measures and requirements, specified in this Technical Specification meet the objective of protecting passengers and staff in railway vehicles in the event of a fire on board by: – minimizing the risk of starting a fire both during operation and as a result of technical defect and/or malfunction of the electrical equipment; – ensuring that electrical emergency equipment continues to be available until evacuation is complete. It is not within the scope of this Technical Specification to describe measures which ensure the preservation of the electrical equipment in the event of a fire on board.

Keel en

Asendab CLC/TS 45545-5:2004

#### **EVS-EN 13262:2004+A1:2008**

Hind 243,00

Identne EN 13262:2004+A1:2008

#### **Raudteealased rakendused. Rattapaarid ja veermikud. Rattad. Tootenõuded KONSOLIDEERITUD TEKST**

This European Standard specifies the characteristics of railway wheels for use on European networks.

Keel en

Asendab EVS-EN 13262:2004

## **EVS-EN 14033-1:2008**

Hind 315,00

Identne EN 14033-1:2008

### **Railway applications - Track - Railbound construction and maintenance machines - Part 1: Technical requirements for running**

This European Standard specifies the technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation, infrastructure and fixed electric traction equipment.

Keel en

## **EVS-EN 15611:2008**

Hind 256,00

Identne EN 15611:2008

### **Raudteelased rakendused. Pidurdamine. Releeventiid**

This European Standard is applicable to relay valves designed to control the brake cylinder pressure of compressed air brakes fitted to railway vehicles, in association with an air brake distributor valve or other control device, and in response to a change in vehicle load that is either continuously variable or in two stages i.e. empty - loaded. Relay valves operating with other pressures, in particular the brake pipe pressure, are not included. This European Standard specifies the requirements for the design, manufacture and testing of relay valves.

Keel en

## **EVS-EN 15612:2008**

Hind 166,00

Identne EN 15612:2008

### **Raudteelased rakendused. Pidurdamine. Kiirpidurdusklapp**

This European Standard is applicable to brake pipe accelerator valves designed to vent the brake pipe of railway vehicles when an emergency brake application is initiated, without taking the type of vehicles and track-gauge into consideration. This European Standard specifies the requirements for the design, manufacture and testing of brake pipe accelerator valves.

Keel en

## **EVS-EN 15625:2008**

Hind 188,00

Identne EN 15625:2008

### **Raudteelased rakendused. Pidurdamine. Koormuse muutuse automaatandurid**

This European Standard applies to automatic variable load sensing devices designed to continuously sense the load of a railway vehicle and provide a signal that can be used by a relay valve for the automatic variation of the air pressure used for brake application, thereby adjusting the brake force accordingly to achieve the required brake performance. This European Standard specifies the requirements for the design, dimensions, manufacture and testing of automatic variable load sensing devices.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **CLC/TS 45545-5:2004**

Identne CLC/TS 45545-5:2004

#### **Railway applications – Fire protection on railway vehicles Part 5: Fire safety requirements for electrical equipment including that of trolley buses, track guided buses and magnetic levitation vehicles**

This Technical Specification specifies the fire safety requirements for electrical equipment on railway vehicles, including that of trolley buses, track guided buses and magnetic levitation vehicles. The measures and requirements, specified in this Technical Specification meet the objective of protecting passengers and staff in railway vehicles in the event of a fire on board by: - minimising the risk of starting a fire both during operation and as a result of technical defect and/or malfunction of the electrical equipment; - ensuring that electrical emergency equipment continues to be available until evacuation is complete. It is not within the scope of this Technical Specification to describe measures which ensure the preservation of the electrical equipment in the event of a fire on board.

Keel en

Asendatud CLC/TS 45545-5:2008

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 14067-4:2006/prA1**

Identne EN 14067-4:2005/prA1:2008

Tähtaeg 1.03.2009

#### **Raudteelased rakendused. Aerodünaamika. Osa 4: Aerodünaamilised nõuded ja katsemeetodid avatud rööbastel**

This European Standard applies to train-induced aerodynamic loading on open track caused by:- trains passing a permanent or temporary structure;- trains passing a person who is alongside the track;- two trains passing each other.

Keel en

### **prEN 15313**

Identne prEN 15313:2008

Tähtaeg 1.03.2009

#### **Railway applications - In-service wheelset operation requirements - In-service and off-vehicle wheelset maintenance**

This European Standard applies to wheelsets complying with the following ENs - EN 12080, EN 12081, EN 12082; - EN 13103, EN 13104; - EN 13260, EN 13261, EN 13262; - EN 13979-1; - EN 13715 that comprise: - the axle with wheel diameters greater than or equal to 330 mm; - axle boxes with bearings and grease. This European Standard is also applicable to wheelsets: - fitted with brake discs, final drive, transmission or noise-damping systems, as appropriate. - not complying with the above European Standards, but complying with the international requirements in force before the approval of these standards; - with tyred wheels whose characteristics are given in Annex E. The requirements to be met by components other than axles, wheels, axle boxes, bearings and grease (brake disc, final drive, transmission, noise-damping systems...) shall be defined in a specific document.

Keel en



## 47 LAEVAEHITUS JA MERE-EHITISED

### UUED STANDARDID

#### **EVS-EN ISO 14509-1:2008**

Hind 166,00

Identne EN ISO 14509-1:2008

ja identne ISO 14509-1:2008

#### **Väikelaevad. Lõbusõidulaevade õhu kaudu leviva müra mõõtmine. Osa 1: Mõõtmismeetodid vastassõitjast möödumisel**

This part of ISO 14509 specifies the conditions for obtaining reproducible and comparable measurement results of the maximum sound pressure level of airborne sound generated during the passage of powered recreational craft of up to 24 m length of hull, including inboards, stern drives, personal watercraft (PWC) and outboard motors. It also specifies standard craft based type tests for stern drives with integral exhaust systems and for outboard motors. It also specifies the procedure to be followed if, in addition to the maximum sound pressure level, the determination of the sound exposure level is desired. The accuracy grade of the acoustical test procedures specified in this part of ISO 14509 is engineering grade (grade 2).

Keel en

Asendab EVS-EN ISO 14509:2003; EVS-EN ISO 14509:2003/A1:2004

### KAVANDITE ARVAMUSKÜSITLUS

#### **prEN ISO 6185-4**

Identne prEN ISO 6185-4:2009

ja identne ISO/DIS 6185-4:2008

Tähtaeg 1.03.2009

#### **Täispuhutavad kummipaadid. Osa 4: 8 m kuni 24 m üldpikkusega ja 75 kW ja suurema maksimaalse nimivõimsusega mootoriga paadid**

This part of ISO 6185 specifies the minimum safety characteristics required for the design, materials, manufacture and testing of rigid inflatable boats with an overall length of between 8 m and 24 m and with a maximum motor power rating of 75 kW and greater. This part of ISO 6185 is applicable to the following types of rigid inflatable boats intended for use within the operating temperatures of - 20 °C to + 60 °C. Type IX Powered boats suitable for navigation in inshore and sheltered waters, up to and including wind force 6 Beaufort and significant wave heights up to 2 m (design categories C and D) with an overall length of between 8 m and 24 m and with a maximum motor power rating of 75 kW and greater. Type X Powered Boats suitable for navigation in offshore waters, up to wind force 8 Beaufort and significant wave heights up to 4 m (design category B) with an overall length of between 8 m and 24 m and with a maximum motor power rating of 75 kW and greater.

Keel en

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### KAVANDITE ARVAMUSKÜSITLUS

#### **prEN 4020**

Identne prEN 4020:2008

Tähtaeg 1.03.2009

#### **Aerospace series - Pipe coupling 8°30' in titanium alloy - Elbows 90°, welded end with thrust wire nut**

This standard specifies the characteristics of elbows 90°, welded end, with thrust wire nut, 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 4020:2002

#### **prEN 4024**

Identne prEN 4024:2008

Tähtaeg 1.03.2009

#### **Aerospace series - Pipe coupling 8°30' in titanium alloy - Elbows 45° welded end with thrust wire nut**

This standard specifies the characteristics of elbows 45°, welded end, with thrust wire nut, 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 4024:2002

#### **prEN 4129**

Identne prEN 4129:2008

Tähtaeg 1.03.2009

#### **Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C**

Keel en

#### **prEN 4130**

Identne prEN 4130:2008

Tähtaeg 1.03.2009

#### **Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, aluminium IVD coated - Classification: 1 100 MPa (at ambient temperature) / 425 °C**

This standard specifies the characteristics of bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, aluminium IVD coated. Classification: 1 100 MPa 1 / 425 °C 2

Keel en

#### **prEN 4131**

Identne prEN 4131:2008

Tähtaeg 1.03.2009

#### **Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated - Classification: 1 250 MPa (at ambient temperature) / 425 °C**

This standard specifies the characteristics of bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated. Classification: 1 250 MPa 1 / 425 °C 2

Keel en

**prEN 4133**

Identne prEN 4133:2008

Tähtaeg 1.03.2009

**Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in titanium alloy, aluminium IVD coated - Classification: 1 100 MPa (at ambient temperature) / 425° C**

This standard specifies the characteristics of bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in titanium alloy, aluminium IVD coated.

Classification: 1 100 MPa 1) / 425 °C 2)

Keel en

**prEN 4134**

Identne prEN 4134:2008

Tähtaeg 1.03.2009

**Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in heat resisting nickel base alloy, aluminium IVD coated - Classification: 1 250 MPa (at ambient temperature) / 425° C**

This standard specifies the characteristics of bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in heat resisting nickel base alloy, aluminium IVD coated. Classification: 1 250 MPa 1) / 425 °C 2)

Keel en

**prEN 4199-003**

Identne prEN 4199-003:2008

Tähtaeg 1.03.2009

**Aerospace series - Bonding straps for aircraft - Part 003: Bonding strap assemblies with flat braided conductor copper, tin plated - 65 °C up to 150 °C and copper, nickel plated - 65 °C up to 260 °C - Product standard**

This standard defines the characteristics of bonding straps with flat braided copper conductors tin or nickel plated and terminal lugs tin or nickel plated, crimped on both ends for use on aircraft. When using bonding straps on equipment or installations generating or processing frequencies greater than 100 kHz, care shall be taken not to exceed a length to width ratio 5 to 1 for reasons of electromagnetic compatibility. This standard shall be used together with EN 4199-001.

Keel en

**prEN 4199-004**

Identne prEN 4199-004:2008

Tähtaeg 1.03.2009

**Aerospace series - Bonding straps for aircraft - Part 004: Round bonding straps, copper, tin plated – 65° C up to 150° C and nickel plated – 65° C up to 260° C - Product standard**

This standard defines the required characteristics for round bonding straps in tin plated and nickel plated version, in different cross sections and lengths, with terminal lugs on both ends (same or different types) for aerospace applications. It shall be used together with EN 4199-001.

Keel en

**prEN 4199-005**

Identne prEN 4199-005:2008

Tähtaeg 1.03.2009

**Aerospace series - Bonding straps for aircraft - Part 005: Flat braid conductors copper, tin plated -65° C up to 150° C and copper, nickel plated, -65° C up to 260° C - Product standard**

This standard defines the characteristics of flat braided conductors copper tin or nickel plated for bonding straps according to EN 4199-001.

Keel en

**prEN 4613**

Identne prEN 4613:2008

Tähtaeg 1.03.2009

**Aerospace series - Spherical plain bearings in corrosion resisting steel with self-lubricating liner, narrow series - Dimensions and loads - Inch series**

This standard specifies the characteristics of bearings, spherical plain in corrosion resisting steel with self-lubricating liner, narrow series for aerospace applications. They are intended for use in fixed or moving parts of the aircraft structure and control mechanisms. They shall be used in the temperature range – 55 °C to 163 °C.

Keel en

**prEN 4614**

Identne prEN 4614:2008

Tähtaeg 1.03.2009

**Aerospace series - Spherical plain bearings in corrosion resisting steel with self-lubricating liner, wide series - Dimensions and loads - Inch series**

This standard specifies the characteristics of bearings, spherical plain with self lubricating liner in corrosion resisting steel with self-lubricating liner, wide series for aerospace applications. They are intended for use in fixed or moving parts of the aircraft structure and control mechanisms. They shall be used in the temperature range – 55 °C to 163 °C.

Keel en

**prEN 4634**

Identne prEN 4634:2008

Tähtaeg 1.03.2009

**Aerospace series - Screws, 100° countersunk head, six lobe recess, short thread, in heat resisting steel FE- PA2601 (A286), passivated - Classification: 900 MPa (at ambient temperature) / 650° C**

This standard specifies the characteristics of screws with 100° countersunk head, with six lobes recess, short thread, in heat resisting steel FE-PA2601, passivated, for aerospace applications.

Keel en

**prEN 4635**

Identne prEN 4635:2008

Tähtaeg 1.03.2009

**Aerospace series - Screws, 100° countersunk head, six lobes recess, short thread, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) - Classification: 1 270 MPa (at ambient temperature) / 650° C**

This standard specifies the characteristics of screws with 100° countersunk head, with six lobe recess, short thread, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), for aerospace applications.

Keel en

### prEN 4636

Identne prEN 4636:2008

Tähtaeg 1.03.2009

**Aerospace series - Screws, 100° countersunk head, six lobe recess, short thread, in titanium alloy Ti-P64001, with aluminium pigmented coating - Classification: 1 100 MPa (at ambient temperature) / 315 °C**

This standard specifies the characteristics of screws with 100° countersunk head, with six lobe recess, short thread, in titanium alloy Ti-P64001, aluminium pigmented coating, for aerospace applications.

Keel en

## 53 TÕSTE- JA TEISALDUS-SEADMED

### UUED STANDARDID

#### **CEN/TS 15730:2008**

Hind 198,00

Identne CEN/TS 15730:2008

ja identne ISO/TR 25398:2006

**Earth-moving machinery - Guidelines for assessment of exposure to whole-body vibration of ride-on machines - Use of harmonized data measured by international institutes, organizations and manufacturers**

This Technical Report provides guidelines for those such as employers, national authorities and manufacturers of earth-moving machinery who are required to determine, assess and document the daily whole-body vibration exposure for ride-on machines as defined in ISO 6165. It also provides guidelines for reducing vibration levels on machines and for determining the vibration reduction from machine improvements to reduce vibration levels. It is intended to assist in establishing documentation for specific earth-moving machinery under typical operating conditions.

Keel en

#### **EVS-EN 1492-1:2000+A1:2008**

Hind 219,00

Identne EN 1492-1:2000+A1:2008

**Tekstiitropid. Ohutus. Osa 1: Kunstkiududest valmistatud silekoega kootud rihmad, üldotstarbeliseks kasutuseks KONSOLIDEERITUD TEKST**

This European Standard specifies the requirements related to safety, including methods of rating and testing single-, two-, three-, four-leg and endless sewn flat woven webbing slings, with or without fittings, made of polyamide, polyester and polypropylene man-made fibre webbing in the width range of 25 mm to 450 mm inclusive.

Keel en

Asendab EVS-EN 1492-1:2000

#### **EVS-EN 1492-2:2000+A1:2008**

Hind 188,00

Identne EN 1492-2:2000+A1:2008

**Tekstiitropid. Ohutus. Osa 2: Kunstkiududest valmistatud ringtropid üldotstarbeliseks kasutuseks KONSOLIDEERITUD TEKST**

This European Standard specifies the requirements related to safety, including methods of rating and testing roundslings up to 40 tonnes working load limit (in straight lift) and two-, three-, and four-leg roundsling assemblies, with or without fittings, made of polyamide, polyester and polypropylene.

Keel en

Asendab EVS-EN 1492-2:2000

#### **EVS-EN 1492-4:2004+A1:2008**

Hind 229,00

Identne EN 1492-4:2004+A1:2008

**Tekstiitropid. Ohutus. Osa 4: Looduslikest ja kunstkiududest valmistatud tõstetropid üldotstarbeliseks kasutuseks KONSOLIDEERITUD TEKST**

This European Standard specifies the requirements related to safety, including methods of rating and testing single-, two-, three-, four-leg and endless slings, with or without fittings, made of sisal, hemp and manila 3- and 4-strand laid construction natural fibre ropes and polyamide, polyester and polypropylene 3- and 4-strand laid construction and 8-strand plaited construction man-made fibre ropes having a reference number in the range of 16 to 48 inclusive.

Keel en

Asendab EVS-EN 1492-4:2004

#### **EVS-EN 1677-1:2001+A1:2008**

Hind 155,00

Identne EN 1677-1:2000+A1:2008

**Troppide komponendid. Ohutus. Osa 1: Sepaterasest komponendid, Klass 8 KONSOLIDEERITUD TEKST**

This Part of EN 1677 specifies general requirements for forged steel components of grade 8 up to 63 t WLL, mainly for use in: - chain slings according to EN 818-4; - steel wire rope slings according to prEN 13414-1:1999; - textile slings according to EN 1492-1:2000, EN 1492-2:2000 intended for lifting objects, materials or goods.

Keel en

Asendab EVS-EN 1677-1:2001

#### **EVS-EN 1677-4:2001+A1:2008**

Hind 155,00

Identne EN 1677-4:2000+A1:2008

**Troppide komponendid. Ohutus. Osa 4: Lülid, Klass 8 KONSOLIDEERITUD TEKST**

This part of EN 1677 specifies requirements for forged or welded steel master links, intermediate master links, master link assemblies and lower terminal links of grade 8 up to 132 t WLL, mainly for use in: - chain slings according to EN 818-4 - steel wire rope slings - textile slings according to EN 1492-1:2000, EN 1492-2:2000. intended for lifting objects, materials or goods.

Keel en

Asendab EVS-EN 1677-4:2001

**EVS-EN 1677-5:2001+A1:2008**

Hind 155,00

Identne EN 1677-5:2001+A1:2008

**Troppide komponendid. Ohutus. Osa 5: Sepaterasest fiksaatoriga tõstekonksud. Klass 4 KONSOLIDEERITUD TEKST**

This Part of EN 1677 specifies requirements for forged steel lifting hooks of grade 4 having latch and eye up to 31,5 t WLL, mainly for use in: - chain slings according to EN 818-5 - steel wire rope slings according to prEN 13414-1:1998 - textile slings according to EN 1492-1, EN 1492-2. intended for lifting objects, materials or goods.

Keel en

Asendab EVS-EN 1677-5:2001

**EVS-EN 1677-6:2001+A1:2008**

Hind 145,00

Identne EN 1677-6:2001+A1:2008

**Troppide komponendid. Ohutus. Osa 6: Lülid. Klass 4 KONSOLIDEERITUD TEKST**

This part of EN 1677 specifies requirements for welded steel master links, intermediate master links, master link assemblies and lower terminal links of grade 4 up to 67 t WLL, mainly for use in: - chain slings according to EN 818-5 - steel wire rope slings according to prEN 13414-1:1998 - textile slings according to EN 1492-1, EN 1492-2. intended for lifting objects, materials or goods. The hazards covered by this Part of EN 1677 are identified in clause 4.

Keel en

Asendab EVS-EN 1677-6:2001

**EVS-EN 13414-3:2003+A1:2008**

Hind 188,00

Identne EN 13414-3:2003+A1:2008

**Terastraadist trosside tropid. Ohutus. Osa 3: Kaitserõngad ja kaablikinnitusega tropid KONSOLIDEERITUD TEKST**

This European Standard specifies the construction requirements, calculation of WLL, testing and certification of steel wire rope grommets, cable-laid grommets and cable-laid slings using strand and wire rope conforming to EN 12385-4. The hazards covered by this standard are identified in clause 4. This standard covers ferrule-secured cable-laid slings up to 60mm.

Keel en

Asendab EVS-EN 13414-3:2003

**EVS-EN 13889:2007+A1:2008**

Hind 198,00

Identne EN 13889:2007+A1:2008

**Sepistatud terasest tõstesääklid üldotstarbelisteks tõstetöödeks. Rist- ja ümarsääklid. Kategooria 6. Ohutus KONSOLIDEERITUD TEKST**

This European Standard specifies requirements for forged steel Dee and bow shackles of grade 6 for general lifting purposes in a range of working load limits 0,5 t to 25 t maximum. This standard applies only to those shackles with threaded pins. Annex A gives information on the safe use of shackles, annex B gives information on types of pins, and annex C gives an example of a designation system for forged steel shackles. The hazards covered are identified in clause 4.

Keel en

Asendab EVS-EN 13889:2007

**EVS-EN 15629:2008**

Hind 209,00

Identne EN 15629:2008

**Steel static storage systems - Specification of storage equipment**

This European Standard supplies guidelines for the technical specification to allow the design of racking and shelving in its various forms such as adjustable pallet racking (APR), crane serviced racking, drive-in racking (DIR), cantilever racking and shelving systems, including their various forms of construction, using manually operated and controlled mechanical handling systems. Some other forms of storage equipments are only partially covered and further consideration, beyond the scope of this document, may be required. This European Standard gives guidance for the specifier of storage systems to coordinate suppliers of all equipment including individual responsibilities. This European Standard does not cover storage equipments manufactured from materials other than steel (except for certain accessories) and equipment intended to be used for domestic storage purposes.

Keel en

**EVS-EN 15635:2008**

Hind 271,00

Identne EN 15635:2008

**Steel static storage systems - Application and maintenance of storage equipment**

This European Standard gives guidelines for operational aspects relevant to structural safety of storagesystems. Such systems operate with heavy mechanical handling equipment working in close proximity to static storage equipment. This European Standard minimizes the risk and consequences of unsafe operation or damage to the structure. Some other forms of storage equipment are only partially covered and further consideration, beyond the scope of this European Standard, can be required. This European Standard gives guidance in conjunction with prEN 15512, EN 15620, and EN 15629 to ensure that the specifier, user and designer are aware of the constraints in each other's area to allow a safe design to be produced. This European Standard specifically excludes storage equipment manufactured from materials other than steel (except for certain accessories) and equipment intended to be used for domestic storage purposes.

Keel en

**EVS-EN ISO 2860:2008**

Hind 92,00

Identne EN ISO 2860:2008

ja identne ISO 2860:1992

**Mullatöomasinad. Ligipääsuavade minimaalmõõtmed**

This International Standard specifies the minimum access openings on earth-moving machinery as defined in ISO 6165 for a) hand access, b) head access, c) body access, d) arm access, e) two-handed access. It provides engineers and designers with information in order that the access openings provided on equipment and machinery for purposes of inspection, adjustment and maintenance have sufficient dimensions for the intended function by personnel in the field or shop.

Keel en

Asendab EVS-EN ISO 2860:1999

**EVS-EN ISO 2867:2008**

Hind 166,00

Identne EN ISO 2867:2008

ja identne ISO 2867:2006+AC:2008

**Mullatöömasinad. Juurdepääsusüsteemid**

This International Standard specifies criteria for access systems (steps, ladders, walkways, platforms, grab rails/handrails, grab handles, guardrails and enclosure entrance and exit openings) as they relate to aiding the operator, maintenance personnel and service personnel in performing their functions on earth-moving machinery. It is applicable to systems giving access to the operator platform and to routine maintenance points on earth-moving machinery, as defined in ISO 6165, parked in accordance with the manufacturer's instructions. This International Standard deals with the following significant hazards, hazardous situations and events: slip, trip and fall of persons, and unhealthy postures or excessive effort.

Keel en

Asendab EVS-EN ISO 2867:2006

**EVS-EN ISO 3164:2008**

Hind 92,00

Identne EN ISO 3164:2008

ja identne ISO 3164:1995

**Mullatöömasinad. Kaitsekonstruktsioonide laboratoorne hindamine. Läbipainde piirväärtuse tehnilised andmed**

This international Standard specifies the deflection-limiting volume (DLV) to be used when performing laboratory evaluations of structures which provide protection to Operators of earth-moving machinery.

Keel en

Asendab EVS-EN ISO 3164:1999

**EVS-EN ISO 3449:2008**

Hind 145,00

Identne EN ISO 3449:2008

ja identne ISO 3449:2005

**Mullatöömasinad. Langevate objektide eest kaitsvad konstruktsioonid. Laborikatsed ja toimivus**

This International Standard specifies laboratory tests for measuring the structural characteristics of, and gives performance requirements in a representative test for, falling-object protective structures (FOPS) intended for use on ride-on earth-moving machines as defined in ISO 6165. It is applicable to both FOPS supplied as an integral part of the machine and those supplied separately for attachment to the machine. It is not intended to apply to FOPS intended for use on landfill compactors, excavators, rollers, trenchers, pipelayers, for the additional seat for operation of an attachment (e.g. attachment backhoe), or on machines with a power rating of less than 15 kW.

Keel en

Asendab EVS-EN ISO 3449:2005

**EVS-EN ISO 3457:2008**

Hind 135,00

Identne EN ISO 3457:2008

ja identne ISO 3457:2003

**Mullatöömasinad. Kaitseeadised. Mõisted ja nõuded**

This International Standard defines principal terms and specifies requirements for, and characteristics of, guards and other means of protecting personnel from mechanical, fluid or thermal hazards associated with the operation and routine maintenance of earth-moving machinery as defined in ISO 6165, when used as intended by the manufacturer.

Keel en

Asendab EVS-EN ISO 3457:2004

**EVS-EN ISO 6682:2008**

Hind 145,00

Identne EN ISO 6682:2008

ja identne ISO 6682:1986 + Amd.1:1989

**Mullatöömasinad. Mugavustsoonid ja juhtimisseadisteni ulatumine**

Käesolev standard määratleb mugavus- ning juhtimisseadisteni ulatumise tsoonid, milles on nii suure kui ka väikesekasvulistel istuvas asendis kasutajatel võrdsed võimalused mugavalt juhtimisseadmeid käsitseda.

Keel en

Asendab EVS-EN ISO 6682:1999

**EVS-EN ISO 7096:2008**

Hind 178,00

Identne EN ISO 7096:2008

ja identne ISO 7096:2000

**Mullatöömasinad. Operaatori istme vibratsiooni laboratoorne hindamine**

This International Standard specifies, in accordance with ISO 10326-1, a laboratory method for measuring and evaluating the effectiveness of the seat suspension in reducing the vertical whole-body vibration transmitted to the operator of earth-moving machines at frequencies between 1 Hz and 20 Hz. It also specifies acceptance criteria for application to seats on different machines.

Keel en

Asendab EVS-EN ISO 7096:2000

**KAVANDITE ARVAMUSKÜSITLUS****EN 1495:1999/prA2**

Identne EN 1495:1997/prA2:2008

Tähtaeg 1.03.2009

**Tõsteplatvormid. Mastil liikuvad tööplatvormid**

See standard esitab spetsiifilised ohutusnõuded, mis kehtivad ajutiselt paigaldatud, käsitsi või ajamiga käitatavate mastil liikuvate tööplatvormide (MCWP - Mast Climbing Work Platforms) kohta, mis on konstrueeritud sellel töö tegemiseks ühe või mitme isiku poolt. Vertikaalselt liikuvaid osi (tööplatvorme) kasutatakse ka nende samade isikute, nende töövahendite ja materjalide toimetamiseks ühteainsasse platvormile tõusmise punkti või sellest punktist eemale. Need kitsendused eristavad mastil liikuvat tööplatvormi tavalisest ehitustõstukist. Standardit võib kohaldada ka statsionaarselt paigaldatud mastil liikuvate tööplatvormide suhtes.

Keel en

**EN 1570:1999/prA2**

Identne EN 1570:1998/prA2:2008

Tähtaeg 1.03.2009

**Tõstelaudade ohutusnõuded**

See Euroopa standard määrab kindlaks kaupade ja/või inimeste tõstmiseks ja/või allalaskmiseks ette nähtud kuni 3 m vertikaalse liikumisulatusega tõstelaudade ohutusnõuded, mis on seotud kaupade teisaldamisega tõstelaua abil.

Keel en

**EN 1756-2:2004/prA1**

Identne EN 1756-2:2004/prA1:2008

Tähtaeg 1.03.2009

**Luuktõstukid. Ratassõidukitele paigaldatavad platvormtõstukid. Ohutusnõuded. Osa 2: Reisijate tõstukid**

Part 2 of standard EN 1756 specifies safety requirements for design of tail lifts as defined in 3.1 for mounting on wheeled passenger vehicles. Vehicles for the loading of disabled passengers onto aircraft and ships are included within the scope of the standard (although dock-mounted lifts are excluded). It also specifies the verification of such tail lifts and the safety information that shall be provided for their use.

Keel en

**EN 1808:1999/prA1**

Identne EN 1808:1999/prA1:2008

Tähtaeg 1.03.2009

**Ripp(juurdepääsu)seadmete ohutusnõuded. Kavandamisarvutused, stabiilsuskriteeriumid, valmistamine, katsed**

This standard specifies the safety requirements of Suspended Access Equipment (SAE).

Keel en

**EN 14010:2004/prA1**

Identne EN 14010:2003/prA1:2008

Tähtaeg 1.03.2009

**Masinate ohutus. Seadmed mootorsõidukite parkimiseks mootorsõidukite abil. Ohutus ja elektromagnetilise ühilduvuse nõuded seadmete projekteerimisel, tootmisel, paigaldamisel ja kasutuselevõtul**

This European Standard deals with the technical requirements to minimise the risks due to the hazards listed in clause 4, which can arise during installation, operation and maintenance of permanently installed equipment and systems for the power driven parking of motor vehicles, as defined in 3.1 to 3.4 below. Requirements are also given on the provision of information for use, which includes requirements for the drafting of the instructions. Electromagnetic compatibility requirements are also covered.

Keel en

**prEN 15878**

Identne prEN 15878:2008

Tähtaeg 1.03.2009

**Steel static storage systems - Adjustable pallet racking - Terms and definitions**

This standard classifies steel storage systems and defines their terms as well as basic components and accessories.

Keel en

**55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID****UUED STANDARDID****EVS-EN 15543:2008/AC:2008**

Hind 0,00

Identne EN 15543:2008/AC:2008

**Glass packaging - Finishes for bottles - Screw thread finishes for bottles for non-carbonated liquids**

Keel en

**EVS-EN 15696:2008**

Hind 124,00

Identne EN 15696:2008

**Self storage - Specification for self storage services**

This European Standard specifies requirements for the provision of self storage facilities and related services, for both personal and business purposes.

Keel en

**EVS-EN ISO 12777-1:2000/A1:2008**

Hind 68,00

Identne EN ISO 12777-1:1996/A1:2008

ja identne EN ISO 12777-1:1996/A1:2008

**Katsemeetodid kaubaaluste sõlmedele. Osa 1: Kaubaaluste naelte, teiste kinnitusdetailide ja kobade paindetugevuse määramine**

Käesolev standard kirjeldab testimismeetodeid kaubaaluste naelte, kobade ja teiste kinnitusdetailide paindetugevuse määramiseks. See sisaldab katseid: (a) staatiline paindetugevus (3- ja 4-punkti koormusmeetodid); (b) löökpaindetugevus (3-punkti koormusmeetod). Antud katsetusmeetodid on rakendatavad igat tüüpi kuni 6 mm läbimõõduga naeltele (ümar-, ruut-, rihvel-, keerd-, sile- ja keermesnaelad) ning võivad olla ka sobivad teistele kinnitusdetailidele, näiteks kobadele.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****EN 60335-2-75:2004/FprAB**

Identne EN 60335-2-75:2004/FprAB:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele**

Deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase and 480 V for other appliances. Examples of appliances that are within the scope of this standard are bulk tea or coffee brewing machines, cigarette, hot and cold beverage, newspaper, audio or video tape or disc vending machines, ice cream, whipped cream and ice dispensers, commercial liquid heaters, espresso coffee appliances and packaged food and drink vending machines

Keel en

Asendab EVS-EN 60335-2-63:2001

## 59 TEKSTIILI- JA NAHATEHNOLOOGIA

### UUED STANDARDID

#### **EVS-EN 13297:2007/AC:2008**

Hind 0,00

Identne EN 13297:2007/AC:2008

#### **Textile floor coverings - Classification of needed pile floor coverings**

Keel en

#### **EVS-EN ISO 9073-5:2008**

Hind 105,00

Identne EN ISO 9073-5:2008

ja identne ISO 9073-5:2008

#### **Textiles - Test methods for nonwovens - Part 5: Determination of resistance to mechanical penetration (ball burst procedure)**

This part of ISO 9073 specifies a method for determining the resistance to mechanical penetration of nonwoven fabrics by a ball of a given diameter. The method is primarily designed to be used on nonwovens with some degree of elasticity, for which a regular burst test is not applicable.

Keel en

#### **EVS-EN ISO 9073-16:2008**

Hind 105,00

Identne EN ISO 9073-16:2008

ja identne ISO 9073-16:2007

#### **Textiles - Test methods for nonwovens - Part 16: Determination of resistance to penetration by water (hydrostatic pressure)**

This part of ISO 9073 describes the hydrostatic pressure test that measures the resistance of nonwoven fabrics to the penetration of water under varied hydrostatic head pressures. This part of ISO 9073 applies to any nonwoven fabrics which are intended for use as a barrier to the penetration of fluids.

Keel en

### KAVANDITE ARVAMUSKÜSITLUS

#### **prEN ISO 9239-1**

Identne prEN ISO 9239-1:2008

ja identne ISO/DIS 9239-1:2008

Tähtaeg 1.03.2009

#### **Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source**

This International Standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames. Annex A gives details of assessing the smoke development, when required. This method is applicable to all types of flooring e.g. textile carpet, cork, wood, rubber and plastics coverings as well as coatings. Results obtained by this method reflect the performance of the flooring, including any substrate if used. Modifications of the backing, bonding to a substrate, underlay or other changes of the flooring may affect test results.

Keel en

Asendab EVS-EN ISO 9239-1:2002

## 65 PÕLLUMAJANDUS

### UUED STANDARDID

#### **CEN/TS 15750:2008**

Hind 135,00

Identne CEN/TS 15750:2008

#### **Fertilizers - Determination of different forms of nitrogen in fertilizers containing nitrogen only as nitric, ammoniacal and urea nitrogen by two different methods**

This document specifies two different methods (Methods A and B) for the determination of the total nitrogen content in fertilizers. Method A specifies the titrimetric method after distillation according to ISO 5315:1984. Method B specifies a method by reduction of nitrate with iron and tin(II)-chloride.

Keel en

#### **CEN/TS 15790:2008**

Hind 114,00

Identne CEN/TS 15790:2008

#### **Animal feeding stuffs - PCR typing of probiotic strains of *Saccharomyces cerevisiae* (yeast)**

This Technical Specification specifies a polymerase chain reaction (PCR) methodology for the identification of *Saccharomyces cerevisiae* probiotic yeast strains. Additionally a method for the extraction of high quality DNA from yeast is suggested.

Keel en

#### **EVS-EN ISO 11680-1:2008**

Hind 209,00

Identne EN ISO 11680-1:2008

ja identne ISO 11680-1:2000

#### **Metsatöömashinad. Elektriga töötavate mastlaasijate ohutusnõuded ja katsetamine . Osa 1: Sisepõlemismootoriga varustatud seadised**

This part of ISO 11680 specifies safety requirements, and the verification of those requirements, for the design, fabrication and use of portable, hand-held, pole-mounted powered pruners, having an integral combustion engine as the power source and using a drive shaft to transmit power to cutting attachments. The cutting attachments covered are saw chains, and reciprocating and circular saw blades. This part of ISO 11680 describes methods for the elimination or reduction of hazards arising from their use. In addition it specifies the type of information on safe working practices to be provided by the manufacturer. It does not cover the risk of electric shock from overhead electric power lines during use of the pruners, with the exception of warnings and advice intended for inclusion in instruction handbooks. A test method and safety requirements addressing this risk are yet to be developed. The list of significant hazards which require action to reduce the risk is given in annex A. Environmental aspects have not been considered. This part of ISO 11680 applies primarily to pruners manufactured after its date of issue. A

Keel en

Asendab EVS-EN ISO 11680-1:2001

### **EVS-EN ISO 11680-2:2008**

Hind 166,00

Identne EN ISO 11680-2:2008

ja identne ISO 11680-2:2000

#### **Metsatöomasinad. Elektriga töötavate mastlaasijate ohutusnõuded ja katsetamine . Osa 2: "Ranits"-energiaallikaga kasutatavad seadised**

This part of ISO 11680 specifies safety requirements, and the verification of those requirements, for the design, fabrication and use of portable, hand-held, pole-mounted powered pruners with a back-pack power unit, using a drive shaft to transmit power to cutting attachments. The cutting attachments covered are saw chains, and reciprocating and circular saw blades. This part of ISO 11680 describes methods for the elimination or reduction of hazards arising from their use. In addition it specifies the type of information on safe working practices to be provided by the manufacturer. It does not cover the risk of electric shock from overhead electric power lines during use of the pruners, with the exception of warnings and advice intended for inclusion in instruction handbooks. A test method and safety requirements addressing this risk are yet to be developed. The list of significant hazards which require action to reduce the risk is given in annex A. Environmental aspects have not been considered. This part of ISO 11680 applies primarily to pruners manufactured after its date of issue.

Keel en

Asendab EVS-EN ISO 11680-2:2001

### **EVS-EN ISO 11681-1:2008**

Hind 178,00

Identne EN ISO 11681-1:2008

ja identne ISO 11681-1:2004 + Amd 1:2007

#### **Metsatöomasinad. Kaasaskantavate kettsaagide ohutusnõuded ja katsetamine. Osa 1: Hooldusraiel kasutatavad kettsaad**

This part of ISO 11681 deals with the significant hazards and specifies safety requirements and their verification for design and construction of portable combustion-engine, hand-held chain-saws, designed only for use by one operator and intended for forest work. It describes methods for the elimination or reduction of hazards arising from their use. In addition it specifies the type of information on safe working practices to be provided by the manufacturer. It deals with all significant hazards. It does not cover the hazard from kickback for machines with an engine displacement over 80 cm<sup>3</sup>. The environmental aspects, except for noise, have not been considered.

Keel en

Asendab EVS-EN ISO 11681-1:2004; EVS-EN ISO 11681-1:2004/A1:2007

### **EVS-EN ISO 11681-2:2008**

Hind 188,00

Identne EN ISO 11681-2:2008

ja identne ISO 11681-2:2006

#### **Metsatöomasinad. Kaasaskantavate kettsaagide ohutusnõuded ja katsetamine. Osa 2: Hooldusraiel kasutatavad kettsaad**

This part of ISO 11681 specifies safety requirements and their verification for the design and construction of portable combustion-engine, hand-held chain-saws for tree service, having a maximum mass, without guide bar or saw chain and with tanks empty, equal to 4,3 kg, and designed for use by a trained operator for pruning and dismantling standing tree crowns. It gives methods for the elimination or reduction of hazards arising from the use of the chain-saws. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. It deals with all significant hazards. The environmental aspects, except for noise, have not been considered.

Keel en

Asendab EVS-EN ISO 11681-2:2006

### **EVS-EN ISO 11806:2008**

Hind 209,00

Identne EN ISO 11806:2008

ja identne ISO 11806:1997

#### **Põllumajandus- ja metsatöomasinad. Kaasaskantavad sisepõlemismootoriga käsivõsalõikurid ja käsimurutrimmerid. Ohutus**

This Standard specifies safety requirements and their verification for design and construction of portable hand-held, combustion engine driven brush cutters and grass trimmers. This standard is not applicable to backpack powered units, to lawn edge trimmers or to brush cutters equipped with metallic blades consisting of more than one part. It describes methods for the elimination or reduction of risks arising from their use. In addition it specifies the type of information on safe working practices to be provided by the manufacturer. It does not however give any technical requirement to reduce noise and vibration hazards. Indeed the different means available to reduce these risks are a matter for the technical information to which the manufacturer may resort, through specialised books or specific bodies.

Keel en

Asendab EVS-EN ISO 11806:1999

### **EVS-EN ISO 14183:2008**

Hind 166,00

Identne EN 14183:2008

ja identne ISO 14183:2005

#### **Animal feeding stuffs - Determination of monensin, narasin and salinomycin contents - Liquid chromatographic method using post-column derivatization**

This International Standard specifies a high-performance liquid chromatographic (HPLC) method for the determination of the monensin, narasin and salinomycin contents of animal feeding stuffs, supplements (dry and liquid) and mineral premixtures. The method is not applicable to drug premixes (pharmaceutical products). Lasalocid and semduramicin cannot be determined by this method. The limit of quantitation is approximately 1 mg/kg, 2 mg/kg and 2 mg/kg for monensin, salinomycin and narasin, respectively. A lower limit of quantitation can be achievable but this is to be validated by the user.

Keel en



## **EVS-EN ISO 16634-1:2008**

Hind 198,00

Identne EN ISO 16634:2008

ja identne ISO 16634-1:2008

### **Food products - Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content - Part 1: Oilseeds and animal feeding stuffs**

This part of ISO 16634 specifies a method for the determination of the total nitrogen content and the calculation of crude protein content of oilseeds and animal feeding stuffs. This method, like the Kjeldahl method, does not distinguish between protein nitrogen and non-protein nitrogen. For the calculation of protein content, various conversion factors are used (see Annex D). This method is not applicable to milk and milk products, for which a method is specified in ISO 14891 IDF 185[10].

Keel en

## **EVS-EN ISO 22867:2008**

Hind 178,00

Identne EN ISO 22867:2008

ja identne ISO 22867:2004 + Cor 1:2006

### **Metsandusmasinad. Integreeritud sisepõlemismootoriga kaasaskantavad käsi-metsatöömashinad. Vibratsioonikatsekoodeks. Käepidemete vibratsiooni mõõtmine**

This International Standard specifies a vibration test code for determining, efficiently and under standardized conditions, the magnitude of vibration at the handles of portable hand-held, internal-combustion-engine-powered forestry machines such as chain-saws, brush-cutters and grass-trimmers. The code is applicable to manufacturer's product controls as well as type tests. It is intended that the results obtained will be able to be used to compare different machines or different models of the same type of machine. Although the magnitudes measured are obtained in an artificial operation, they nevertheless give an indication of the values to be found in a real work situation.

Keel en

Asendab EVS-EN ISO 22867:2006

## **EVS-EN ISO 22868:2008**

Hind 188,00

Identne EN ISO 22868:2008

ja identne ISO 22868:2005

### **Metsandusmasinad. Käeskanavate sisepõlemismootoriga masinate mürakatsete eeskirjad. Tehnilise meetodi (täpsusklass 2)**

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

Keel en

Asendab EVS-EN ISO 22868:2006

## **67 TOIDUAINETE TEHNOLOOGIA**

### **UUED STANDARDID**

#### **CEN/TS 15731:2008**

Hind 219,00

Identne CEN/TS 15731:2008

#### **Cereals and cereal products - Common wheat (Triticum aestivum L.) - Determination of alveograph properties of dough at adapted hydration from commercial or test flours and test milling methodology**

This document specifies a method that uses an alveograph to determine the rheological properties of different types of dough at adapted hydration obtained from "soft" to "hard" wheat flour (Triticum aestivum L.) produced by industrial milling or laboratory test milling. It describes the alveograph test and how to use a laboratory mill to produce flour in two stages: - Stage 1: preparation of the wheat grain for milling to make it easier to separate the bran from the endosperm (see Clause 7); - Stage 2: the milling process itself, including the break system involving three fluted rollers, reduction of particle size between two smooth rollers and the use of a centrifugal sieving machine to grade the products (see Clause 8).

Keel en

#### **EVS-EN 12393-1:2008**

Hind 145,00

Identne EN 12393-1:2008

#### **Mitterasvased toiduained. Mitme jäägi tekkimisega meetodid pestitsiidijääkide määramiseks gaasikromatograafia abil. Osa 1: Üldised seisukohad**

See Euroopa standard esitab üldised seisukohad pestitsiidijääkide määramise kohta mitterasvastes toiduainetes.

Keel en

Asendab EVS-EN 12393-1:2000

#### **EVS-EN 12393-2:2008**

Hind 219,00

Identne EN 12393-2:2008

#### **Mitterasvased toiduained. Mitme jäägi tekkimisega meetodid pestitsiidijääkide määramiseks gaasikromatograafia abil. Osa 2: Ekstraheerimise ja puhastamise meetodid**

See Euroopa standard määrab kindlaks mitterasvaste toiduainete proovide ekstraheerimise ja puhastamise meetodid pestitsiidijääkide kvantitatiivseks määramiseks.

Keel en

Asendab EVS-EN 12393-2:2000

#### **EVS-EN 12393-3:2008**

Hind 124,00

Identne EN 12393-3:2008

#### **Mitterasvased toiduained. Mitme jäägi tekkimisega meetodid pestitsiidijääkide määramiseks gaasikromatograafia abil. Osa 3: Määramine ja kontrollkatsete**

See Euroopa standard esitab juhised mõnede soovitatavate viiside kohta pestitsiidijääkide määramiseks mitterasvastes toiduainetes ja kontrollkatsete kohta.

Keel en

Asendab EVS-EN 12393-3:2000

**EVS-EN 15637:2008**

Hind 271,00

Identne EN 15637:2008

**Foods of plant origin - Determination of pesticide residues using LC-MS/MS following methanol extraction and clean-up using diatomaceous earth**

This draft European Standard describes a method for the analysis of pesticide residues in foods of plant origin, such as fruits vegetables, cereals, nuts as well as processed products including dried fruits. The method has been collaboratively studied on a large number of commodity/pesticide combinations.

Keel en

**EVS-EN 15662:2008**

Hind 315,00

Identne EN 15662:2008

**Foods of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and cleanup by dispersive SPE - QuEChERS-method**

This draft European Standard describes a method for the analysis of pesticide residues in foods of plant origin, such as fruits (including dried fruits), vegetables, cereals and processed products thereof. The method has been collaboratively studied on a large number of commodity/pesticide combinations.

Keel en

**EVS-EN ISO 663:2008**

Hind 92,00

Identne EN ISO 663:2008

ja identne ISO 663:2007

**Animal and vegetable fats and oils - Determination of insoluble impurities content**

This International Standard specifies a method for the determination of the insoluble impurities content of animal and vegetable fats and oils. If it is not desired to include soaps (particularly calcium soaps) or oxidized fatty acids in the insoluble impurities content, it is necessary to use a different solvent and procedure. In this case, an agreement is to be reached between the parties concerned.

Keel en

Asendab EVS-EN ISO 663:2002

**EVS-EN ISO 1736:2008**

Hind 135,00

Identne EN ISO 1736:2008

ja identne ISO 1736:2008

**Dried milk and dried milk products - Determination of fat content - Gravimetric method (Reference method)**

This International Standard specifies the reference method for the determination of the fat content of dried milk and dried milk products. The method is also applicable to dried milk with a fat content of 40 % mass fraction or more, dried whole, dried partially skimmed, and dried skimmed milk, dried whey, dried buttermilk and dried butter serum. The method is not applicable when the powder contains hard lumps which do not dissolve in ammonia solution or free fatty acids in significant quantities.

Keel en

Asendab EVS-EN ISO 1736:2000

**EVS-EN ISO 1737:2008**

Hind 145,00

Identne EN ISO 1737:2008

ja identne ISO 1737:2008

**Evaporated milk and sweetened condensed milk - Determination of fat content - Gravimetric method (Reference method)**

This Standard specifies the reference method for the determination of the fat content of all types of evaporated milk and sweetened condensed milk (liquid sweetened and unsweetened concentrated milk).

Keel en

Asendab EVS-EN ISO 1737:2001

**EVS-EN ISO 1854:2008**

Hind 135,00

Identne EN ISO 1854:2008

ja identne ISO 1854:2008

**Whey cheese - Determination of fat content - Gravimetric method (Reference method)**

This International Standard specifies the reference method for the determination of fat content of whey cheese. The method is not applicable to products which do not dissolve completely in ammonia solution or which contain free fatty acids in significant quantities.

Keel en

Asendab EVS-EN ISO 1854:2001

**EVS-EN ISO 2450:2008**

Hind 135,00

Identne EN ISO 2450:2008

ja identne ISO 2450:2008

**Cream - Determination of fat content - Gravimetric method (Reference method)**

This International Standard specifies the reference method for the determination of the fat content of raw, processed and sour cream in which no appreciable separation or breakdown of fat, due to lipolysis, has occurred. The method is not applicable to sour creams with starch or other thickening agents.

Keel en

Asendab EVS-EN ISO 2450:2001

**EVS-EN ISO 3960:2008**

Hind 114,00

Identne EN ISO 3960:2008

ja identne ISO 3960:2007

**Animal and vegetable fats and oils - Determination of peroxide value - Iodometric (visual) endpoint determination**

This International Standard specifies a method for the iodometric determination of the peroxide value of animal and vegetable fats and oils with a visual endpoint detection. The peroxide value is a measure of the amount of oxygen chemically bound to an oil or fat as peroxides, particularly hydroperoxides. The method is applicable to all animal and vegetable fats and oils, fatty acids and their mixtures with peroxide values from 0 meq to 30 meq (milliequivalents) of active oxygen per kilogram. It is also applicable to margarines and fat spreads with varying water content. The method is not suitable for milk fats and is not applicable to lecithins. It is to be noted that the peroxide value is a dynamic parameter, whose value is dependent upon the history of the sample. Furthermore, the determination of the peroxide value is a highly empirical procedure and the value obtained depends on the sample mass. It is stressed that, due to the prescribed sample mass, the peroxide values obtained can be slightly lower than those obtained with a lower sample mass.

Keel en

Asendab EVS-EN ISO 3960:2005

**EVS-EN ISO 6886:2008**

Hind 135,00

Identne EN ISO 6886:2008

ja identne ISO 6886:2006

**Animal and vegetable fats and oils - Determination of oxidative stability (accelerated oxidation test)**

This International Standard specifies a method for the determination of the oxidative stability of fats and oils under extreme conditions that induce rapid oxidation: high temperature and high air flow. It does not allow determination of the stability of fats and oils at ambient temperatures, but it does allow a comparison of the efficacy of antioxidants added to fats and oils. The method is applicable to both virgin and refined animal and vegetable fats and oils.

Keel en

**EVS-EN ISO 7208:2008**

Hind 135,00

Identne EN ISO 7208:2008

ja identne ISO 7208:2008

**Kooritud piim, vadak ja pett. Rasvasisalduse määramine. Gravimeetiline meetod (Referentsmeetod)**

This International Standard specifies the reference method for the determination of the fat content of liquid skimmed milk, whey and buttermilk. It is a particularly accurate gravimetric method especially for the purpose of establishing the operating efficiency of cream separators. This International Standard also specifies the reference method for establishing correction tables for procedures with skimmed milk butyrometers.

Keel en

Asendab EVS-EN ISO 7208:2000

**EVS-EN ISO 7328:2008**

Hind 145,00

Identne EN ISO 7328:2008

ja identne ISO 7328:2008

**Milk-based edible ices and ice mixes - Determination of fat content - Gravimetric method (Reference method)**

This International Standard specifies the reference method for the determination of the fat content of most milk-based edible ices and ice mixes. The method is also applicable to concentrated and dried ice mixes. The method is not applicable to some milk-based edible ices and ice mixes, in which the level of emulsifier, stabilizer or thickening agent or of egg yolk or of fruits, or of combinations of these constituents makes the Röse-Gottlieb method unsuitable.

Keel en

Asendab EVS-EN ISO 7328:2000

**EVS-EN ISO 8381:2008**

Hind 145,00

Identne EN ISO 8381:2008

ja identne ISO 8381:2008

**Milk-based infant foods - Determination of fat content - Gravimetric method (Reference method)**

This International Standard specifies the reference method for the determination of the fat content of milk-based infant foods. The method is applicable to liquid, concentrated and dried milk-based infant foods with no, or not more than a mass fraction of 5 % (dry matter) of such added matter as starch, dextrin, vegetables, fruit, and meat. The method is not applicable to products which do not dissolve completely in ammonia owing to the presence of starch or dextrin at mass fractions of more than a few percent, or to the presence of hard lumps. The method is also not applicable to products which contain free fatty acids in significant quantities. The results obtained for these products are too low.

Keel en

Asendab EVS-EN ISO 8381:2000

**EVS-EN ISO 15303:2008**

Hind 114,00

Identne EN ISO 15303:2008

ja identne ISO 15303:2001

**Animal and vegetable fats and oils - Detection and identification of a volatile organic contaminant by GC/MS**

This International Standard specifies a method for the detection and identification of a volatile organic contaminant in edible oils. It is applicable to the identification of volatile industrial chemicals in both crude and refined edible oils that are suspected of being contaminated. It also enables determination of the concentration of the contaminant. This International Standard is not applicable to the determination of the concentration of chemicals that may react with the edible oil or with one of its natural components. In these cases, the presence of the contaminant may sometimes be established on a qualitative basis. Also, this International Standard is not applicable to non-volatile chemicals. This method has been shown to be applicable for the identification of the following compound classes: saturated halogenated hydrocarbons; unsaturated halogenated hydrocarbons; esters; aldehydes; alcohols; amines; ketones; ethers; cyclic and aromatic compounds; nitrogen compounds; acrylates; etc. The method has been evaluated for concentrations in the range of 1 mg/kg to 10 mg/kg.

Keel en

**EVS-EN ISO 16634-1:2008**

Hind 198,00

Identne EN ISO 16634:2008

ja identne ISO 16634-1:2008

**Food products - Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content - Part 1: Oilseeds and animal feeding stuffs**

This part of ISO 16634 specifies a method for the determination of the total nitrogen content and the calculation of crude protein content of oilseeds and animal feeding stuffs. This method, like the Kjeldahl method, does not distinguish between protein nitrogen and non-protein nitrogen. For the calculation of protein content, various conversion factors are used (see Annex D). This method is not applicable to milk and milk products, for which a method is specified in ISO 14891 IDF 185[10].

Keel en

**EVS-EN ISO 20541:2008**

Hind 145,00

Identne EN ISO 20541:2008

ja identne ISO 20541:2008

**Milk and milk products - Determination of nitrate content - Method by enzymatic reduction and molecular-absorption spectrometry after Griess reaction**

This International Standard specifies a method for the determination of the nitrate content of milk and milk products by molecular-absorption spectrometry after Griess reaction (preceded by enzymatic reduction). The method is, in particular, applicable to whole, partly skimmed, skimmed and dried milk, hard, semi-hard and soft cheeses, processed cheese, whey cheese, caseins, caseinates, dried whey and milk protein concentrates. The method can be used at contents corresponding to a measured concentration in the sample solution (with blank subtracted) of more than 0,2 mg/l.

Keel en

**EVS-EN ISO 23275-1:2008**

Hind 124,00

Identne EN ISO 23275-1:2008

ja identne ISO 23275-1:2006

**Animal and vegetable fats and oils - Cocoa butter equivalents in cocoa butter and plain chocolate - Part 1: Determination of the presence of cocoa butter equivalents**

This part of ISO 23275 specifies a procedure for the detection of cocoa butter equivalents (CBEs) in cocoa butter (CB) and plain chocolate by high-resolution capillary gas liquid chromatography (HR-GC) of triacylglycerols and subsequent data evaluation by regression analysis. The method is applicable for the detection of 2 % CBE admixture to cocoa butter, corresponding to about 0,6 % CBE in chocolate (i.e. the assumed fat content of chocolate is 30 %).

Keel en

**EVS-EN ISO 23275-2:2008**

Hind 135,00

Identne EN ISO 23275-2:2008

ja identne ISO 23275-2:2006

**Animal and vegetable fats and oils - Cocoa butter equivalents in cocoa butter and plain chocolate - Part 2: Quantification of cocoa butter equivalents**

This part of ISO 23275 specifies a procedure for the quantification of cocoa butter equivalents (CBEs) in cocoa butter (CB) and plain chocolate by high-resolution capillary gas chromatography (HR-GC) of triacylglycerols, and subsequent data evaluation by partial least-squares regression analysis.

Keel en

**EVS-EN ISO 27107:2008**

Hind 114,00

Identne EN ISO 27107:2008

ja identne ISO 27107:2008

**Animal and vegetable fats and oils - Determination of peroxide value - Potentiometric end-point determination**

This International Standard specifies a method for the potentiometric end-point determination of the peroxide value, in milliequivalents of active oxygen per kilogram, of animal and vegetable fats and oils. The method is applicable to all animal and vegetable fats and oils, fatty acids and their mixtures with peroxide values from 0 meq to 30 meq of active oxygen per kilogram. It is also applicable to margarines and fat spreads with varying water content. The method is not applicable to milk fats or lecithins.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****prEN 13751**

Identne prEN 13751:2008

Tähtaeg 1.03.2009

**Foodstuffs - Detection of irradiated food using photostimulated luminescence**

This European Standard specifies a method for the detection of irradiated foods using photostimulated luminescence (PSL). The technique described here comprises an initial measurement of PSL intensity which may be used for screening purposes, and a calibration method to determine the PSL sensitivity to assist classification. It is necessary to confirm a positive screening result using calibrated PSL or another standardised (e.g. EN 1784 to EN 1788) or validated method. The method has been successfully tested in interlaboratory trials using shellfish and herbs, spices and seasonings [1]. From other studies it may be concluded that the method is applicable to a large variety of foods [2], [3], [4].

Keel en

Asendab EVS-EN 13751:2002

## 71 KEEMILINE TEHNOLOOGIA

### UUED STANDARDID

#### **CLC/TS 50467:2008**

Hind 219,00

Identne CLC/TS 50467:2008+AC:2008

#### **Railway applications - Rolling stock - Electrical connectors, requirements and test methods**

This Technical Specification retains EN 61984 as the minimum performance requirements for railway rolling stock electrical connectors. It identifies additional terms, test methods and performance requirements for single-pole and multipole connectors with rated voltages up to 1 000 V, rated currents up to 125 V per contact and frequencies below 3 MHz used for indoor and outdoor applications in railway rolling stock. This Technical Specification identifies the application levels for electrical connectors based on: – the severity of the service conditions in different rolling stock technologies; – the intended use of the rolling stock; – the location of the connector in the rolling stock system. This Technical Specification is not applicable to internal connections of electronic devices such as connectors for printed boards and rack-and-panel connectors.

Keel en

#### **EVS-EN ISO 5771:2008**

Hind 135,00

Identne EN ISO 5771:2008

ja identne ISO 5771:2008

#### **Kummivoolikud ja voolikukomplektid veevaba ammoniaagi teisaldamiseks. Tehnilised andmed**

Käesolev standard määrab kindlaks miinimumnõuded kummivoolikule, mida kasutatakse ammoniaagi teisaldamiseks, vedelal või gaasilisel kujul, ümbritseva keskkonna temperatuuridel -40 °C ja +55 °C vahel.

Keel en

Asendab EVS-EN ISO 5771:2000

#### **EVS-EN ISO 24998:2008**

Hind 124,00

Identne EN ISO 24998:2008

ja identne ISO 24998:2008

#### **Plastikust laboritarvikud. Ühekordselt kasutatavad Petri tassid mikrobioloogiliste protsesside teostamiseks**

This International Standard specifies requirements and test methods for plain, single-use Petri dishes for microbiological use. This International Standard does not apply to products of similar design which may be used for cell or tissue culture purposes. Neither does it apply to dishes supplied ready loaded with microbiological media.

Keel en

## KAVANDITE ARVAMUSKÜSITLUS

#### **prEN ISO 4787**

Identne prEN ISO 4787:2008

ja identne ISO/DIS 4787:2008

Tähtaeg 1.03.2009

#### **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. The International Standards for the individual volumetric instruments include clauses on the definition of capacity, which describe the method of manipulation in sufficient detail to define the capacity without ambiguity. This International Standard is supplementary to the information contained in these definitions. The procedures are applicable to volumetric instruments with nominal capacities in the range of 0,1 ml to 5 000 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.

Keel en

## 75 NAFTA JA NAFTATEHNOLOOGIA

### UUED STANDARDID

#### **CEN/TS 15590:2007**

Hind 124,00

Identne CEN/TS 15590:2007

#### **Solid recovered fuels - Determination of potential rate of microbial self heating using the real dynamic respiration index**

This Technical Specification specifies a method to determine the current rate of potential microbial self-heating of a solid recovered fuel. The methods indirectly estimate the potential risk of microbial self-heating, odour production, vector attraction etc. The current rate of biodegradation can be expressed in milligrams O<sub>2</sub> kg TDS-1 h<sup>-1</sup>.

Keel en

#### **CEN/TS 15747:2008**

Hind 178,00

Identne CEN/TS 15747:2008

#### **Solid recovered fuels - 14C-based methods for the determination of the biomass content**

This Technical Specification specifies the test methods for the determination of the biomass carbon content in solid recovered fuels based on the 14C content. The biomass fraction by weight and by energy are calculated from the biomass carbon content.

Keel en

#### **EVS-EN 14213:2004/AC:2004**

Hind 0,00

Identne EN 14213:2003/AC:2003

#### **Kütteõlid. Rasvhapete metüülestrid (FAME). Nõuded ja katsemeetodid**

Keel en

**EVS-EN 14214:2004/AC:2003**

Hind 0,00

Identne EN 14214:2003/AC:2003

**Kütteleid. Rasvhapete metüülestrid (FAME). Nõuded ja katsemeetodid**

Keel en

**EVS-EN ISO 10407-2:2008**

Hind 415,00

Identne EN ISO 10407-2:2008

ja identne ISO 10407-2:2008

**Petroleum and natural gas industries - Rotary drilling equipment - Part 2: Inspection and classification of used drill stem elements**

This part of ISO 10407 specifies the required inspection for each level of inspection (Tables B.1 through B.15) and procedures for the inspection and testing of used drill stem elements. For the purpose of this part of ISO 10407, drill stem elements include drill pipe body, tool joints, rotary-shouldered connections, drill collar, HWDP and the ends of drill stem elements that make up with them. This part of ISO 10407 has been prepared to address the practices and technology commonly used in inspection. The practices established within this part of ISO 10407 are intended as inspection and/or testing guidance and are not intended to be interpreted to prohibit the agency or owner from using personal judgement, supplementing the inspection with other techniques, extending existing techniques or re-inspecting certain lengths.

Keel en

**EVS-EN ISO 10414-1:2008**

Hind 315,00

Identne EN ISO 10414-1:2008

ja identne ISO 10414-1:2008

**Petroleum and natural gas industries - Field testing of drilling fluids - Part 1: Water-based fluids**

This part of ISO 10414 provides standard procedures for determining the following characteristics of water-based drilling fluids: a) drilling fluid density (mud weight); b) viscosity and gel strength; c) filtration; d) water, oil and solids contents; e) sand content; f) methylene blue capacity; g) pH; h) alkalinity and lime content; i) chloride content; j) total hardness as calcium.

Keel en

**EVS-EN ISO 11961:2008**

Hind 336,00

Identne EN ISO 11961:2008

ja identne ISO 11961:2008

**Petroleum and natural gas industries - Steel drill pipe**

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

Keel en

Asendab EVS-EN ISO 11961:2000

**EVS-EN ISO 13500:2008**

Identne EN ISO 13500:2008

ja identne ISO 13500:2008

**Loodusliku ja naftagaasi tööstused. Puurimisvedelikud. Tehnilised andmed ja katsetamine**

Käesolev rahvusvaheline standard hõlmab õli ja gaasi puuraukude puurimisvedelikes kasutusel olevate materjalide füüsikalisi omadusi ja katseprotseduure. Kasutusel olevad materjalid on barüüt (raskepagu), hematit (raudläik), bentoniit, töötlemata bentoniit, OCMA-klassi bentoniit, palögorskiit, sepioliit (meer aum), tehnilise klassi madalviskoosne karboksümetüülselluloos (CMC-LVT) ja tehnilise klassi kõrgviskoosne karboksümetüülselluloos (CMC-HVT). Käesolev rahvusvaheline standard on ette nähtud kasutamiseks nimetatud toodete tootjatele.

Keel en

Asendab EVS-EN ISO 13500:2006

**EVS-EN ISO 13501:2008**

Hind 256,00

Identne EN ISO 13501:2006

ja identne ISO 13501:2005

**Petroleum and natural gas industries - Drilling fluids - Processing systems evaluation**

This International Standard provides a standard procedure for assessing and modifying performance of solids control equipment systems commonly used in the field in petroleum and natural gas drilling fluids processing. This procedure is not intended for the comparison of similar types of individual pieces of equipment.

Keel en

**EVS-EN ISO 13680:2008**

Hind 315,00

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

**EVS-EN ISO 13736:2008**

Hind 166,00

Identne EN ISO 13736:2008

ja identne ISO 13736:2008

**Leekpunkti määramine - Abeli suletud tiigli meetod**

Käesolev standard esitab meetodi leekpunkti määramiseks naftasaadustes ja muudes vedelikes, mille leekpunkt on vahemikus - 30 °C ja 70 °C kaasa arvatult. Siiski loetakse selle meetodi täpsus õigeks leekpunkti vahemikus - 5 °C kuni 66,5 °C.

Keel en

Asendab EVS-EN ISO 13736:2000

### **EVS-EN ISO 14310:2008**

Hind 188,00

Identne EN ISO 14310:2008

ja identne ISO 14310:2008

#### **Nafta- ja maagaasitööstused. Kaldpuuraukudes kasutatavad seadmed. Tihendusseadmed ja sildühendused**

This International Standard provides requirements and guidelines for packers and bridge plugs as defined herein for use in the petroleum and natural gas industry.

This International Standard provides requirements for the functional specification and technical specification, including design, design verification and validation, materials, documentation and data control, repair, shipment, and storage. In addition, products covered by this International Standard apply only to applications within a conduit. Installation and maintenance of these products are outside the scope of this International Standard.

Keel en

Asendab EVS-EN ISO 14310:2002

### **EVS-EN ISO 22854:2008**

Hind 155,00

Identne EN ISO 22854:2008

ja identne ISO 22854:2008

#### **Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline - Multidimensional gas chromatography method**

This International Standard specifies the gas chromatographic (GC) method for the determination of saturated, olefinic and aromatic hydrocarbons in automotive motor gasoline. Additionally, the benzene content, oxygenate compounds and total oxygenate content can be determined. This International Standard is applicable to automotive motor gasoline with a total content of aromatics of up to 50 % (V/V); a total olefin content from about 1,5 % (V/V) up to 30 % (V/V); oxygenate compounds, from 0,8 % (V/V) up to 15 % (V/V); a total oxygen content from about 1,5 % (m/m) to about 3 % (m/m); and a benzene content of up to 2 % (V/V).

Keel en

Asendab EVS-EN 14517:2004

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 15326:2007/prA1**

Identne EN 15326:2007/prA1:2008

Tähtaeg 1.03.2009

#### **Bitumen and bituminous binders - Measurement of density and specific gravity - Capillary-stoppered pycnometer method**

This European standard specifies a procedure for determining the specific gravity and density of bituminous binders at (25,0 ± 0,2) °C using the capillary-stoppered pycnometer method. Emulsions are excluded from the scope of this method.

Keel en

### **prEN ISO 13628-4**

Identne prEN ISO 13628-4:2008

ja identne ISO/DIS 13628-4:2008

Tähtaeg 1.03.2009

#### **Nafta- ja maagaasitööstused. Merepõhja paigutatud tootmissüsteemide konstruktsioon ja kasutamine. Osa 4: Merepõhjas paikneva suurkaevu seadmestik ja tugisammaste seadmestik**

This part of ISO 13628 provides specifications for subsea wellheads, mudline wellheads, drill-through mudline wellheads, and both vertical and horizontal subsea trees. It also specifies the associated tooling necessary to handle, test and install the equipment. It also specifies the areas of design, material, welding, quality control (including factory acceptance testing), marking, storing and shipping for both individual sub-assemblies (used to build complete subsea tree assemblies) and complete subsea tree assemblies. The user is responsible for ensuring subsea equipment meets any additional requirements of governmental regulations for the country in which it is to be installed, and is outside the scope of this part of ISO 13628. Where applicable, this part of ISO 13628 can also be used for equipment on satellite, cluster arrangements and multiple well template applications.

Keel en

Asendab EVS-EN ISO 13628-4:2000

## **77 METALLURGIA**

### **UUED STANDARDID**

#### **CEN/TS 13388:2008**

Hind 271,00

Identne CEN/TS 13388:2008

#### **Copper and copper alloys - Compendium of compositions and products**

This document provides a summary of material designations, compositions and the product forms in which they are available, for coppers and copper alloys standardized in European Standards by CEN/TC 133 "Copper and copper alloys". It also includes copper alloys which are not standardized by CEN/TC 133 but by other CEN Technical Committees responsible for products in copper alloys, and other copper alloys not yet standardized. These alloys have been registered by CEN/TC 133 in accordance with the procedures laid down in CEN Report CR 12776.

Keel en

Asendab CEN/TS 13388:2004

#### **CEN/TS 15605:2007**

Hind 243,00

Identne CEN/TS 15605:2007

#### **Copper and copper alloys - Inductively coupled plasma optical emission spectrometry**

This document specifies seven inductively coupled plasma emission spectrometry methods (A to G) for the determination of alloying elements and impurities in copper and copper alloys in the form of unwrought, wrought and cast products.

Keel en

**EVS-EN ISO 945-1:2008**

Hind 166,00

Identne EN ISO 945-1:2008

ja identne ISO 945-1:2008

**Microstructure of cast irons - Part 1: Graphite classification by visual analysis**

This part of ISO 945 specifies a method of classifying the microstructure of graphite in cast irons by comparative visual analysis. The purpose of this part of ISO 945 is to provide information about the method of graphite classification. It is not intended to give information on the suitability of cast-iron types and grades for any particular application. The particular material grade is specified by results from tensile tests or hardness testing and, in the case of austenitic cast irons, by their chemical composition. The interpretation of graphite form and size does not allow a statistically valid statement on the fulfilment of the requirements specified in the relevant material standard. The structure of the metallic matrix (e.g. ferrite, pearlite) has a significant effect on the material properties. Such an interpretation is not the purpose of this part of ISO 945.

Keel en

Asendab EVS-EN ISO 945:2000

**EVS-EN ISO 11961:2008**

Hind 336,00

Identne EN ISO 11961:2008

ja identne ISO 11961:2008

**Petroleum and natural gas industries - Steel drill pipe**

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

Keel en

Asendab EVS-EN ISO 11961:2000

**EVS-EN ISO 12004-1:2008**

Hind 105,00

Identne EN ISO 12004-1:2008

ja identne ISO 12004-1:2008

**Metallmaterjalid. Katusekatted ja sise- ja välisseina kattematerjalid. Stantsimiskõverate määramine. Osa 1: Stantsimisdiagrammide koostamine ja kohaldamine stantsimistöökodades**

This part of ISO 12004 provides guidelines for developing forming-limit diagrams and forming-limit curves for metal sheets and strips of thicknesses from 0,3 mm to 4 mm.

Keel en

**EVS-EN ISO 12004-2:2008**

Hind 188,00

Identne EN ISO 12004-2:2008

ja identne ISO 12004-2:2008

**Metallmaterjalid. Katusekatted ja sise- ja välisseina kattematerjalid. Stantsimiskõverate määramine. Osa 2: Stantsimiskõverate määramine laboris**

This part of ISO 12004 specifies the testing conditions to be used when constructing a forming-limit curve (FLC) at ambient temperature and using linear strain paths. The material considered is flat, metallic and of thickness between 0,3 mm and 4 mm.

Keel en

**EVS-EN ISO 13680:2008**

Hind 315,00

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 VÕI TÜHISTATUD STANDARDID****CEN/TS 13388:2004**

Identne CEN/TS 13388:2004

**Copper and copper alloys - Compendium of compositions and products**

This document provides a summary of material designations, compositions and the product forms in which they are available, for coppers and copper alloys standardized in European Standards by CEN/TC 133 "Copper and copper alloys". It also includes copper alloys which are not standardized by CEN/TC 133 but by other CEN Technical Committees responsible for products in copper alloys, and other copper alloys not yet standardized. These alloys have been registered by CEN/TC 133 in accordance with the procedures laid down in CEN Report CR 12776.

Keel en

Asendatud CEN/TS 13388:2008



## KAVANDITE ARVAMUSKÜSITLUS

### **prEN 10225**

Identne prEN 10225:2008

Tähtaeg 1.03.2009

#### **Weldable structural steels for fixed offshore structures - Technical delivery conditions**

This European Standard specifies requirements for weldable structural steels to be used in the fabrication of fixed offshore structures in the form of plates up to and including 150 mm thick. It also specifies sections up to 63 mm thick except for sections delivered in the as-rolled condition which are permitted up to 25 mm thick only. Seamless hollow sections up to and including 40 mm thick and high frequency electric resistance welded hollow sections up to and including 20 mm thick are specified. Greater thicknesses for sections and hollow sections may be agreed, provided the technical requirements of this European Standard are maintained.

Keel en

Asendab EVS-EN 10225:2002

### **prEN 10238**

Identne prEN 10238:2008

Tähtaeg 1.03.2009

#### **Automaatmeetodil joatötlusega puhastatud ja kokkumonteerituna automaatmeetodil krunditud konstruktsiooniterasest tooted**

This European Standard specifies requirements for automatically blast-cleaned and automatically prefabrication primed structural steel products. This European Standard does not cover manual blast cleaning and/or manual spray painting.

Keel en

Asendab EVS-EN 10238:1999

### **prEN ISO 2740**

Identne prEN ISO 2740:2008

ja identne ISO/FDIS 2740:2008

Tähtaeg 1.03.2009

#### **Paagutatud metallilised materjalid, välja arvatud kõvasulamid. Tõmbekatse objektid**

This International Standard is applicable to all sintered metals and alloys, excluding hardmetals. This International Standard specifies: - the die cavity dimensions used for making tensile test pieces by pressing and sintering, and by Metal Injection Moulding (MIM) and sintering; - the dimensions of tensile test pieces machined from sintered and powder forged materials.

Keel en

Asendab EVS-EN ISO 2740:2000

## **79 PUIDUTEHNOLOOGIA**

### UUED STANDARDID

#### **CEN/TS 15679:2007**

Hind 155,00

Identne CEN/TS 15679:2007

#### **Termiliselt modifitseeritud puit. Määratlused ja omadused**

This Technical Specification gives definitions and characteristics for Thermally Modified Timber. TMT is used in interior (dry, humid) and exterior conditions. NOTE 1 TMT is usually a semi-finished product; applications are e.g. flooring, panelling, cladding, decking, windows, doors, furniture and other internal and external joinery. Where product standard exist, the given requirements and test methods are to be taken into consideration. NOTE 2 Use in load bearing applications – reference to relevant EN standards should be made.

Keel en

#### **EVS-EN 326-2:2002/AC:2005**

Hind 0,00

Identne EN 326-2:2000/AC:2005

#### **Puitplaadid. Proovivõtt, lõikamine ja kontroll. Osa 2: Kvaliteedikontroll ettevõttes**

Keel en

#### **EVS-EN 12369-3:2008**

Hind 105,00

Identne EN 12369-3:2008

#### **Puitplaadid. Tunnusväärtused ehitusprojekteerimiseks. Osa 3: Liimpuitkilbid**

This European Standard provides information on the characteristic values for use in designing structures incorporating wood-based panels. The characteristic values given are as defined in EN 1995-1-1. This European Standard includes the characteristic values of the mechanical properties and of the raw density for solid-wood panels complying with EN 13353:2008 technical classes SWP/1 S, SWP/2 S, SWP/3 S.

Keel en

#### **EVS-EN 13353:2008**

Hind 124,00

Identne EN 13353:2008

#### **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

Asendab EVS-EN 13353:2003

#### **EVS-EN 13354:2008**

Hind 105,00

Identne EN 13354:2008

#### **Liimpuitkilbid (SWP). Liimliite kvaliteet. Katsemeetod**

This European Standard specifies a test method for determining the bonding quality of single-layer and multilayer solid wood panels by a shear test.

Keel en

Asendab CEN/TS 13354:2003

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 14081-2**

Identne prEN 14081-2:2008

Tähtaeg 1.03.2009

### **Puitkonstruktsioonid. Nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 2: Masinsortimine. Täiendavad nõuded esmasteks tüübikatsetusteks**

This European Standard specifies requirements, additional to those in EN 14081-1, for initial type testing of machine graded structural timber with rectangular cross-sections shaped by sawing, planing or other methods, and having deviations from the target sizes corresponding to EN 336. This includes requirements for strength grading machines and test equipment for proof loading graded material, and optional requirements for control planks to test the dynamic performance of grading machines.

Keel en

Asendab EVS-EN 14081-2:2006

## **81 KLAASI- JA KERAAMIKA-TÖÖSTUS**

### **UUED STANDARDID**

#### **CEN/TS 15658:2007**

Hind 124,00

Identne CEN/TS 15658:2007

#### **Advanced technical ceramics - Mechanical properties of ceramic fibres at high temperature under non-reactive environment - Determination of creep behaviour by the hot end method**

This Technical Specification specifies the conditions for the determination of the tensile creep deformation and failure behaviour of single filaments of ceramic fibres at high temperature and under test conditions that prevent changes to the material as a result of chemical reaction with the test environment. This Technical Specification applies to continuous ceramic filaments taken from tows, yarns, braids and knitted structures, that have strains to failure less than or equal to 5 %.

Keel en

#### **EVS-EN 1159-3:2003/AC:2008**

Hind 0,00

Identne EN 1159-3:2003/AC:2008

#### **Advanced technical ceramics - Ceramic composites, thermophysical properties - Part 3: Determination of specific heat capacity**

Keel en

#### **EVS-EN 1279-5:2006+A1:2008**

Hind 198,00

Identne EN 1279-5:2005+A1:2008

#### **Ehitusklaas. Klaaspaketid. Osa 5: Vastavushindamine KONSOLIDEERITUD TEKST**

This European Standard specifies requirements, the evaluation of conformity and the factory production control of insulating glass units for use in buildings. The main intended uses of the insulating glass units are installations in windows, doors, curtain walling, roofs and partitions where there exists protection against direct ultraviolet radiation at the edges.

Keel en

Asendab EVS-EN 1279-5:2006

#### **EVS-EN 13102:2006+A1:2008**

Hind 145,00

Identne EN 13102:2005+A1:2008

#### **Keraamikamasinad. Ohutus. Saviplaatide peale- ja mahalaadimine KONSOLIDEERITUD TEKST**

This European Standard applies to: - machines for stacking or deacking fired or unfired fine clay wall tiles and floor tiles on/from fixed or movable supports (see Figure A.1); - machines for loading or unloading fired or unfired fine clay wall tiles and floor tiles into/from containers (see Figures A.2 and A.4); - machines for loading or unloading fired or unfired fine clay wall tiles and floor tiles on/from stackable frames (see Figure A.3).

Keel en

Asendab EVS-EN 13102:2006

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 13042-3:2007/prA1**

Identne EN 13042-3:2007/prA1:2008

Tähtaeg 1.03.2009

#### **Masinad ja jaamad puhutud klaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 3: IS masinad**

This European Standard contains the requirements for safety for the design and installation of IS machines including the gob distributor and machine conveyor.

Keel en

#### **EN 13042-5:2003/prA1**

Identne EN 13042-5:2003/prA1:2008

Tähtaeg 1.03.2009

#### **Masinad ja jaamad puhutud klaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 5: Pressid**

This standard contains the requirements for the design and installation of glass presses including equipment for feeding of portions of molten glass to the mould, loading equipment and equipment for discharging articles (take-out) when these are integral parts of the presses

Keel en

#### **EN 13042-2:2004/prA1**

Identne EN 13042-2:2004/prA1:2008

Tähtaeg 1.03.2009

#### **Masinad ja jaamad puhutud klaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 2:**

##### **Etteandemasinate käsitlemine**

This standard contains the requirements for safety for the design and installation of stationary handling machines for feeding from the taking up of a post of melted glass out of the working bowl of a glass melting furnace through transport to delivery to a glass blower or to a forming machine for hollow glass.

Keel en

#### **prEN 623-5**

Identne prEN 623-5:2008

Tähtaeg 1.03.2009

#### **Advanced technical ceramics - Monolithic ceramics - General and textural properties - Part 5:**

##### **Determination of phase volume fraction by evaluation of micrographs**

This part of EN 623 specifies a manual method of making measurements for the determination of volume fraction of major phases in advanced technical ceramics using micrographs of polished and etched sections, overlaying a square grid of lines, and counting the number of intersections lying over each phase.

Keel en

Asendab ENV 623-5

**prEN 820-4**

Identne prEN 820-4:2008

Tähtaeg 1.03.2009

**Advanced technical ceramics - Thermomechanical properties of monolithic ceramics - Part 4: Determination of flexural creep deformation at elevated temperatures**

This Part of EN 820 describes a procedure for undertaking flexural creep tests at elevated temperatures on advanced technical ceramics, mainly for the purposes of comparison of deformation behaviour of materials under stressed conditions and under any appropriate atmospheric condition.

Keel en

**prEN 820-5**

Identne prEN 820-5:2008

Tähtaeg 1.03.2009

**Advanced technical ceramics - Thermomechanical properties of monolithic ceramics - Part 5: Determination of elastic moduli at elevated temperatures**

This part of EN 820 describes methods for determining the elastic moduli, specifically Young's modulus, shear modulus and Poisson's ratio, of advanced monolithic technical ceramics at temperatures above room temperature. The standard prescribes three alternative methods for determining some or all of these three parameters: A the determination of Young's modulus by static flexure of a thin beam in three- or four-point bending. B the determination of Young's modulus by forced longitudinal resonance, or Young's modulus, shear modulus and Poisson's ratio by forced flexural and torsional resonance, of a thin beam. C the determination of Young's modulus from the fundamental natural frequency of a struck bar (impulse excitation method).

Keel en

Asendab CEN/TS 820-5:2004

**prEN 1006**

Identne prEN 1006:2008

Tähtaeg 1.03.2009

**Advanced technical ceramics - Monolithic ceramics - Guidance on the selection of test pieces for the evaluation of properties**

This European standard gives guidance on selection of test-pieces for the evaluation of properties. Important factors requiring attention in the preparation of test samples from large components or blocks of material are also described.

Keel en

**prEN 1071-9**

Identne prEN 1071-9:2008

Tähtaeg 1.03.2009

**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

Asendab CEN/TS 1071-9:2004

**prEN 1071-10**

Identne prEN 1071-10:2008

Tähtaeg 1.03.2009

**Advanced technical ceramics - Methods of test for ceramic coatings - Part 10: Determination of coating thickness by cross sectioning**

This document specifies a method of measuring the thickness of ceramic coatings by means of examination of a metallographically prepared cross-section of the coating in a calibrated optical or scanning electron microscope. It draws strongly on EN ISO 9220 [8], modifying and updating as required to be relevant to ceramic coatings and current best practice.

Keel en

Asendab CEN/TS 1071-10:2004

**prEN ISO 1927-2**

Identne prEN ISO 1927-2:2008

ja identne ISO/DIS 1927-2:2008

Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 2: Sampling for testing**

This part of this International Standard gives guidance on the sampling of unshaped refractory materials for the purpose of inspection and testing for quality and general information on the reduction and treatment of samples prior to testing. It covers all materials formulated as unshaped refractory materials.

Keel en

Asendab EVS-EN 1402-2:2004

**prEN ISO 1927-3**

Identne prEN ISO 1927-3:2008

ja identne ISO/DIS 1927-3:2008

Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 3: Characterization as received**

This part of this International Standard specifies the methods for the characterization of unshaped refractory materials as received and for checking the homogeneity of a delivery of a product. It is applicable to castables (dense and insulating), gunning materials and ramming materials, as defined in ISO 1927-1.

Keel en

Asendab EVS-EN 1402-3:2004

**prEN ISO 1927-4**

Identne prEN ISO 1927-4:2008

ja identne ISO/DIS 1927-4:2008

Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 4: Determination of consistency of castables**

This part of this International Standard describes methods for the determination of the consistency of dense and insulating castables as defined in ISO 1927-1.

Keel en

Asendab EVS-EN 1402-4:2004

**prEN ISO 1927-5**

Identne prEN ISO 1927-5:2008  
ja identne ISO/DIS 1927-5:2008  
Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 5: Preparation and treatment of test pieces**

This part of this international standard specifies methods for the preparation and treatment (curing, drying and firing) of test pieces from unshaped refractory materials. The dimensions of the test pieces are specified. The methods are applicable to dense and insulating castables and to ramming materials with the four types of chemical composition defined in ISO 1927-1. The dimensions of the test pieces are stated and the preparation of the mixture, compaction methods, storage and post-treatment of the test pieces are described.

Keel en

Asendab EVS-EN 1402-5:2004

**prEN ISO 1927-6**

Identne prEN ISO 1927-6:2008  
ja identne ISO/DIS 1927-6:2008  
Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 6: Measurement of physical properties**

This part of this International Standard specifies methods for the determination of properties of unshaped materials from test pieces prepared and stored according to ISO 1927-5. The methods are applicable to dense and insulating castables and to ramming materials (including plastics) as defined in ISO 1927-1 before and after firing.

Keel en

Asendab EVS-EN 1402-6:2004

**prEN ISO 1927-7**

Identne prEN ISO 1927-7:2008  
ja identne ISO/DIS 1927-7:2008  
Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 7: Tests on pre-formed shapes**

This International Standard specifies methods for the testing of as-delivered pre-formed shapes. It applies to shapes fabricated from dense and insulating castables and ramming materials as defined in ISO 1927-1.

Keel en

Asendab EVS-EN 1402-7:2004

**prEN ISO 1927-8**

Identne prEN ISO 1927-8:2008  
ja identne ISO/DIS 1927-8:2008  
Tähtaeg 1.03.2009

**Unshaped refractory materials - Part 8:****Determination of complementary properties**

This International Standard specifies methods for determination of the properties of unshaped refractory materials from test pieces prepared and stored in accordance with ISO 1927-5. The methods complement those described in ISO 1927-6. The methods have been adapted from standards for shaped refractory products to make them applicable to dense and insulating castables, and ramming materials as defined in ISO 1927-1, before and after firing.

Keel en

Asendab EVS-EN 1402-8:2004

**UUED STANDARDID****EVS-EN ISO 2898-2:2008**

Hind 92,00

Identne EN ISO 2898-2:2008

ja identne ISO 2898-2:2008

**Plastid. Plastifitseeritud polüvinüülkloriidist (PVC-P) vormimis- ja ekstrusioonimaterjalid. Osa 2: Proovikehade ettevalmistamine ja omaduste määramine**

This part of ISO 2898 specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of PVC-P moulding and extrusion materials. Requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing are given. Procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods which are suitable and necessary to characterize PVC-P moulding and extrusion materials are listed. The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to, these moulding and extrusion materials are also included in this part of ISO 2898, as are the designatory properties specified in ISO 2898-1. In order to obtain reproducible and comparable test results, it is necessary to use the methods of preparation and conditioning, the specimen dimensions and the test procedures specified herein. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

Keel en

Asendab EVS-EN ISO 2898-2:2000

**EVS-EN ISO 4611:2008**

Hind 124,00

Identne EN ISO 4611:2008

ja identne ISO 4611:2008

**Plastics - Determination of the effects of exposure to damp heat, water spray and salt mist**

1.1 This International Standard specifies the conditions of exposure of plastics to - damp heat; - water spray; - salt mist; and the methods for the evaluation of the change in some significant characteristics after given exposure stages. 1.2 This International Standard is, in general, suitable for all plastics in the form of standard test specimens, and finished articles or parts thereof. 1.3 This International Standard considers separately methods for the determination of - change in mass; - change in dimensions and appearance; - change in physical properties.

Keel en

Asendab EVS-EN ISO 4611:2000

### **EVS-EN ISO 5771:2008**

Hind 135,00

Identne EN ISO 5771:2008

ja identne ISO 5771:2008

#### **Kummivoolikud ja voolikukomplektid veevaba ammoniaagi teisaldamiseks. Tehnilised andmed**

Käesolev standard määrab kindlaks miinimumnõuded kummivoolikule, mida kasutatakse ammoniaagi teisaldamiseks, vedelal või gaasilisel kujul, ümbritseva keskkonna temperatuuridel -40 °C ja +55 °C vahel.

Keel en

Asendab EVS-EN ISO 5771:2000

### **EVS-EN ISO 6401:2008**

Hind 92,00

Identne EN ISO 6401:2008

ja identne ISO 6401:2008

#### **Plastics - Poly(vinyl chloride) - Determination of residual vinyl chloride monomer - Gas-chromatographic method**

This International Standard specifies a method for the determination of vinyl chloride monomer in homopolymer and copolymer resins of vinyl chloride and compounded materials. The method is based on sample dissolution and headspace gas chromatography. Concentrations of vinyl chloride in the range 0,1 mg/kg to 3,0 mg/kg can be determined. A "dry method", suitable for PVC resins but not compounded materials, is widely used within the industry for in-house determinations. A separate International Standard based on this methodology is under development.

Keel en

Asendab EVS-EN ISO 6401:2005

### **EVS-EN ISO 14113:2008**

Hind 135,00

Identne EN ISO 14113:2008

ja identne ISO 14113:2007

#### **Gas welding equipment - Rubber and plastics hose and hose assemblies for use with industrial gases up to 450 bar (45 MPa)**

This International Standard specifies requirements for rubber and plastics hose and hose assemblies for use with compressed, liquefied and dissolved gases up to a maximum working pressure of 45 MPa (450 bar), within the ambient temperature range of -20 °C to +60 °C. This International Standard applies to hose assemblies used to connect industrial gas cylinders to manifolds or bundles prior to any pressure reduction stage. This International Standard does not cover rubber or thermoplastic hoses for welding, cutting and allied processes (see ISO 3821 and ISO 12170). This International Standard does not apply to refrigerated liquefied gases or to liquefied petroleum gases (LPG).

Keel en

Asendab EVS-EN ISO 14113:1999

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN ISO 1043-1**

Identne prEN ISO 1043-1:2008

ja identne ISO/DIS 1043-1:2008

Tähtaeg 1.03.2009

#### **Plastid. Tähised ja terminilühendid. Osa 1: Põhipolümeerid ja nende eritunnused**

This part of ISO 1043 provides abbreviated terms for the basic polymers used in plastics, symbols for components of these terms, and symbols for special characteristics of plastics. It includes only those abbreviated terms that have come into established use and its aim is both to prevent the occurrence of more than one abbreviated term for a given plastic and to prevent a given abbreviated term being interpreted in more than one way.

Keel en

Asendab EVS-EN ISO 1043-1:2002

### **prEN ISO 1043-2**

Identne prEN ISO 1043-2:2008

ja identne ISO/DIS 1043-2:2008

Tähtaeg 1.03.2009

#### **Plastics - Symbols and abbreviated terms - Part 2: Fillers and reinforcing materials**

This part of ISO 1043 provides uniform symbols for terms referring to fillers and reinforcing materials. It includes only those symbols that have come into established use and its main aim is both to prevent the occurrence of more than one symbol for a given filler or reinforcing material and to prevent a given symbol being interpreted in more than one way.

Keel en

Asendab EVS-EN ISO 1043-2:2002

## **85 PABERITEHNOLOOGIA**

### **UUED STANDARDID**

#### **EVS-EN ISO 638:2008**

Hind 92,00

Identne EN ISO 638:2008

ja identne ISO 638:2008

#### **Tehnilised tselluloosid. Kuivainesisalduse määramine**

This International Standard specifies an oven-drying method for the determination of the dry matter in paper, board and pulp. The procedure is applicable to paper, board and pulp which does not contain any appreciable quantities of materials other than water that are volatile at the temperature of 105 °C ± 2 °C. It is used, for example, in the case of pulp, paper and board samples taken for chemical and physical tests in the laboratory, when a concurrent determination of dry matter content is required. This method is not applicable to the determination of the dry matter content of slush pulp or to the determination of the saleable mass of pulp lots.

Keel en

Asendab EVS-EN 20638:2000

## 87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

### UUED STANDARDID

#### **EVS-EN ISO 7143:2008**

Hind 80,00

Identne EN ISO 7143:2007

ja identne ISO 7143:2007

#### **Binders for paints and varnishes - Methods of test for characterizing water-based binders**

This International Standard specifies methods of test for characterizing binders, i.e. aqueous dispersions and solutions of polymers and copolymers, in particular those used as raw materials for water-based coating materials. The properties determined will depend on whether a drying or curing system is tested.

Keel en

Asendab EVS-EN ISO 7143:2004

### KAVANDITE ARVAMUSKÜSITLUS

#### **prEN ISO 1513**

Identne prEN ISO 1513:2008

ja identne ISO/DIS 1513:2008

Tähtaeg 1.03.2009

#### **Paints and varnishes - Preparation of test samples**

This International Standard specifies both the procedure for preliminary examination of a single sample as received for testing, and the procedure for preparing a test sample by blending and reduction of a series of samples representative of a consignment or bulk of paint, varnish or related product, the samples of the product to be tested having been taken in accordance with ISO 15528.

Keel en

Asendab EVS-EN ISO 1513:2000

## 91 EHITUSMATERJALID JA EHITUS

### UUED STANDARDID

#### **CEN/TR 81-10:2008**

Hind 166,00

Identne CEN/TR 81-10:2008

#### **Safety rules for the construction and installation of lifts - Basics and interpretations - Part 10: System of the EN 81 series of standards**

This Technical Report describes the system of the EN 81 series of standards. As long as the internal rules of CEN do not specify provisions to handle interpretations, this Technical Report also describes the procedure for interpretations to be followed by the working groups of CEN/TC 10.

Keel en

#### **CEN/TR 15615:2008**

Hind 256,00

Identne CEN/TR 15615:2008

#### **Explanation of the general relationship between various European Standards and the Energy Performance of Buildings Directive (EPBD) - Umbrella document**

The calculation methodology follows the framework set out in the Annex to the EPBD. The various standards used in this process are listed in Annex A. Many of the standards deal with specific aspects of the calculation (e.g. fabric losses, air changes, energy use for lighting, system performance)

Keel en

#### **CEN/TR 15678:2008**

Hind 209,00

Identne CEN/TR 15678:2008

#### **Concrete - Release of regulated dangerous substances into soil, groundwater and surface water - Test method for new or unapproved constituents of concrete and for production concretes**

This document outlines three test methods. The first is designed to test the constituents of concrete, not designated as WT products, using reference concrete matrices (control mixes and test mixes) wherein the release of (regulated) dangerous substances from the constituent under test, into soil, groundwater or surface water, can be determined. The types of constituent which can be tested using this method are as follows: a) factory-made cements; b) aggregates; c) additions type I; d) additions type II; e) admixtures; f) polymer modifiers; g) fibres. The second method, in normative Annex A, is designed to test factory made concrete products, not designated as WT products, as either test pieces sawn or cored from pre-hardened monoliths or as standard-sized moulded test pieces formed from proxy samples of fresh wet material taken from concrete used in the production of factory made items. The third method, in informative Annex B, is designed to test concretes sampled in the fresh wet state or pre-packaged state, not officially classified as WT products, as standard-sized moulded test pieces. All three methods produce eluates that may be used for the purposes of characterisation testing, initial type testing (ITT) or further testing (FT) of either the constituents of concrete identified in this Scope or of production concretes.

Keel en

**CEN/TR 15697:2008**

Hind 188,00

Identne CEN/TR 15697:2008

**Cement - Performance testing for sulfate resistance - State of the art report**

Portland cement concrete can undergo attack by sulfate bearing solutions such as natural groundwater or those contaminated by industrial activity. Attack can result in expansion, strength loss, surface spalling and ultimately disintegration. The resistance that a cement matrix provides to sulfate attack depends on a number of factors which include:

- nature of the reaction products formed with the sulfate solution and in particular, whether their formation results in disruptive expansion;
- impermeability of the matrix (including the important paste-aggregate interfacial zone) which provides a barrier against penetration by sulfate ions;
- concentration of sulfate ions (in this report expressed as g/l SO<sub>4</sub><sup>2-</sup>);
- mobility of the sulfate containing groundwater;
- nature of the accompanying cation e.g. Na<sup>+</sup>, Mg<sup>2+</sup>, Ca<sup>2+</sup> etc;
- pH of the sulfate bearing ground water/solution;
- presence of other dissolved salts such as chlorides;
- temperature of the exposure;
- degree of pre-curing before exposure, although in the field this is only likely to affect the performance of the concrete surface;
- presence of finely divided limestone (calcium carbonate) in the aggregate, or carbonate ions dissolved in the groundwater, which may promote the formation of thaumasite under low temperature conditions.

Keel en

**CEN/TR 15739:2008**

Hind 178,00

Identne CEN/TR 15739:2008

**Precast concrete products - Concrete finishes - Identification**

This document provides guidelines for the surface appearance of precast concrete products and the methods for inspecting and assessing the conformity of appearance which, unless they are not appropriate, will be used in conjunction with specific product standards. This document may also be used to describe the appearance of products for which there is no standard. If there is a specific standard for a precast concrete product, it takes priority over this document.

Keel en

**CEN/TS 81-82:2008**

Hind 155,00

Identne CEN/TS 81-82:2008

**Safety rules for the construction and installation of lifts - Existing lifts - Part 82: Improvement of the accessibility of existing lifts for persons including persons with disability**

1.1 This Technical Specification provides rules on how to apply EN 81-70 referred to in EN 81-80:2003, 5.2.1 [1] to existing lifts to improve their accessibility for persons including persons with disability. 1.2 This document applies to permanently installed lifts serving defined landing levels, having a car designed for the transportation of persons or persons and goods and moving between guide rails inclined not more than 15° to the vertical.

Keel en

**EVS 811:2006**

Hind 229,00

ja identne EVS 811:2006

**Hoone ehitusprojekt INGLISKEELNE**

Standard käsitleb hoonete ja muude ehitiste arhitektuurilise ning tehnilise kavandamise (projekteerimise) käiku ja korraldust, samuti kavandatavat ehitist kirjeldavat tehnilist dokumentatsiooni. Standard ei käsitle ehitustööde tegemist ega sellega seotud dokumentatsiooni (välja arvatud teostusdokumentatsioon). Standard ei käsitle tootmistarbelise ehitise tehnoloogia projekteerimist. Eeldatud on, et tootmishoone projekteerijad saavad tellijalt igal staadiumil vajaliku detailsusega lähteandmed ruumide, keskkonna ja tehnosüsteemide projekteerimiseks. Standard ei hõlma teede, elektriliinide ja muude eriehitiste projekteerimist.

Keel en

**EVS 875-10:2008**

Hind 209,00

**Vara hindamine. Osa 10: Objekti ülevaatus ja andmete kogumine**

Standardiseeria EVS 875 käsitleb vara hindamist. Standardite kasutusala on vara hindamise ja hinnangute kasutamise seotud tegevused, eelkõige laenu tagatiste ja finantsaruandluse seotud tegevused. Standardite kasutajateks on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandluse tegelevad spetsialistid (raamatupidajad, audiitorid), krediitiasutused, kõrgemad õppeasutused. Standardite olemasolu loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui ka avaliku sektori vajadusi.

Keel et

**EVS 894:2008**

Hind 229,00

ja identne prEVS 894:2007

**Loomulik valgustustus elu- ja bürooruumides**

Standardis esitatakse soovitud päevavalguse projekteerimiseks elu- ja büroo hoonetes. Soovitused on antud ka elektervalgustuse projekteerimiseks, kui seda kasutatakse koos päevavalgusega.

Keel et

**EVS-EN 815:1999+A2:2008**

Hind 219,00

Identne EN 815:1996+A2:2008

**Kivimi puurimiseks kasutatavate kaitsekilpideta tunnelipuurimismasinat ja puurvardata puurmasinate ohutus. Ohutusnõuded KONSOLIDEERITUD TEKST**

This standard is applicable to unshielded tunnel boring machines, TBM's, and rodless shaft boring machines, SBM's, and their towed or attached back-up equipment for driving tunnels or shafts in rock where the whole area is excavated in one or more steps by mechanical means. It specifies essential safety requirements for the design, construction and maintenance of such machines when used in non-explosive atmosphere together with the methods of verification. The standard specifies monitoring for hazardous atmosphere. For TBM's and SBM's which are to be used continuously in explosive atmosphere, additional relevant standards also apply. This European Standard deals with all significant hazards pertinent to unshielded tunnel boring machines and rodless shaft boring machines for rock, when they are used as intended and 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

Asendab EVS-EN 815:1999; EVS-EN 815:1999/A1:2005

**EVS-EN 1634-2:2008**

Hind 256,00

Identne EN 1634-2:2008

**Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 2: Fire resistance characterisation test for elements of building hardware**

This European Standard specifies a method for characterizing the influence on fire performance of items of building hardware for incorporation into hinged or pivoted vertically installed fire door assemblies (having either one or two leaves) or vertically installed openable window assemblies, of known fire resistance of up to and including 240 minutes integrity (and where relevant insulation) in accordance with EN 1634-1. It applies to the testing of building hardware for use on hinged and pivoted doors and openable windows which include framed glazed doors and windows, but not glass doors. It does not include a test for durability or other performance characteristics, which should be evaluated according to the product standard for the item of building hardware or as given in EN 14600.

Keel en

**EVS-EN 1990:2002/A1:2006/AC:2008**

Hind 0,00

Identne EN 1990:2002/A1:2005/AC:2008

**Eurokoodeks. Ehituskonstruksioonide projekteerimise alused.**

Keel en

**EVS-EN 12209:2006/AC:2006**

Hind 0,00

Identne EN 12209:2003/AC:2005

**Akna- ja uksetarvikud. Lukukorpused ja iselukustid. Mehaanilised lukukorpused, iselukustid ja vasturauad. Nõuded ja katsemeetodid**

Keel en

**EVS-EN 12390-1:2002/AC:2004**

Hind 0,00

Identne EN 12390-1:2000/AC:2004

**Kivistunud betooni katsetamine. Osa 1: Kuju, mõõtmed ja muud katsekehadele ja vormidele esitatavad nõuded**

Keel en

**EVS-EN 12390-5:2002/AC:2004**

Hind 0,00

Identne EN 12390-5:2000/AC:2004

**Kivistunud betooni katsetamine. Osa 5: Katsekehade paindetõmbetugevus**

Keel en

**EVS-EN 12390-6:2002/AC:2004**

Hind 0,00

Identne EN 12390-6:2000/AC:2004

**Kivistunud betooni katsetamine. Osa 6: Katsekehade lõhestustõmbetugevus**

Keel en

**EVS-EN 12390-7:2002/AC:2004**

Hind 0,00

Identne EN 12390-7:2000/AC:2004

**Kivistunud betooni katsetamine. Osa 7: Kivistunud betooni tihedus**

Keel en

**EVS-EN 13043:2004/AC:2004**

Hind 0,00

Identne EN 13043:2002/AC:2004

**Asfaltsegude ning teede, lennuväljade ja muude liiklusalade pindamiskihtide täitematerjalid**

Keel en

**EVS-EN 13126-6:2008**

Hind 166,00

Identne EN 13126-6:2008

**Building hardware - Requirements and test methods for windows and doors height windows - Part 6: Variable geometry stay hinges (with or without a friction stay)**

This part of EN 13126 specifies requirements and test methods for durability, strength, security and function of mechanically operated variable geometry stay hinges (with or without a friction system). By means of this European Standard, the user of recognized tested hardware can assume that with correct usage, the variable geometry stay hinges (with or without a friction system) for windows conform to prescribed requirements.

Keel en

Asendab CEN/TS 13126-6:2004

**EVS-EN 13126-10:2008**

Hind 114,00

Identne EN 13126-10:2008

**Building hardware - Requirements and test methods for windows and doors height windows - Part 10: Arm-balancing systems**

This part of EN 13126 specifies requirements and test methods for durability, strength, security and function of arm-balancing systems for windows and door height windows.

Keel en

Asendab CEN/TS 13126-10:2004



**EVS-EN 13126-11:2008**

Hind 114,00

Identne EN 13126-11:2008

**Building hardware - Requirements and test methods for windows and doors height windows - Part 11: Top hung projecting reversible hardware**

This part of EN 13126 specifies the requirements and test methods for durability, strength, security and function of top hung projecting reversible hardware for windows.

Keel en

Asendab CEN/TS 13126-11:2004

**EVS-EN 13126-12:2008**

Hind 124,00

Identne EN 13126-12:2008

**Building hardware - Requirements and test methods for windows and doors height windows - Part 12: Side hung projecting reversible hardware**

This part of EN 13126 specifies the requirements and test methods for durability, strength, security and function of side hung projecting reversible hardware for windows.

Keel en

Asendab CEN/TS 13126-12:2004

**EVS-EN 13162:2008**

Hind 219,00

Identne EN 13162:2008

**Ehitiste soojaisolatsioonitooted. Tööstuslikult valmistatud mineraalvilla (MW) tooted. Spetsifikatsioon**

This European Standard specifies the requirements for factory made mineral wool products, with or without facings, which are used for the thermal insulation of buildings. The products are manufactured in the form of rolls, batts, boards or slabs. This European Standard specifies product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this European Standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered.

Keel en

Asendab EVS-EN 13162:2007

**EVS-EN 13163:2008**

Hind 243,00

Identne EN 13163:2008

**Ehitiste soojaisolatsioonitooted. Tööstuslikult valmistatud vahtpolüstüreenitooted (EPS). Spetsifikatsioon**

This European Standard specifies the requirements for factory made mineral wool products, with or without facings, which are used for the thermal insulation of buildings. The products are manufactured in the form of rolls, batts, boards or slabs. This European Standard specifies product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this European Standard are also used in prefabricated thermal insulation systems and composite panels; the performance of systems incorporating these products is not covered. This European Standard does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards. Products with a declared thermal resistance lower than  $0,25 \text{ m}^2 \cdot \text{K/W}$  or a declared thermal conductivity greater than  $0,060 \text{ W}/(\text{m} \cdot \text{K})$  at  $10 \text{ }^\circ\text{C}$  are not covered by this European Standard. This European Standard does not cover in situ insulation products and products intended to be used for the insulation of building equipment and industrial installations.

Keel en

Asendab EVS-EN 13163:2007

**EVS-EN 13164:2008**

Hind 229,00

Identne EN 13164:2008

**Ehitiste soojaisolatsioonitooted. Tööstuslikult valmistatud pressitud vahtpolüstüreenitooted (XPS). Spetsifikatsioon**

This European Standard specifies the requirements for factory made products of extruded polystyrene foam, with or without facings or coatings, which are used for thermal insulation of buildings. The products are manufactured in the form of boards, which are also available with special edge and surface treatment (tongue and grooves, shiplap, etc.). This European Standard specifies product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. Products covered by this European Standard are also used in prefabricated thermal insulating systems and composite panels; the performance of systems incorporating these products is not covered. This European Standard also covers multilayered insulation boards. This European Standard does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards. Products with a declared thermal resistance lower than  $0,25 \text{ m}^2 \cdot \text{K/W}$  or a declared thermal conductivity greater than  $0,060 \text{ W}/(\text{m} \cdot \text{K})$  at  $10 \text{ }^\circ\text{C}$  are not covered by this European Standard. This European Standard does not cover in situ insulation products and products intended to be used for the insulation of building equipment and industrial installations or products intended for acoustic insulation.

Keel en

Asendab EVS-EN 13164:2006

**EVS-EN 13225:2006/AC:2006**

Hind 0,00

Identne EN 13225:2004/AC:2006

**Betoonvalmistooted. Varraselemendid**

Keel en

**EVS-EN 13363-1:2003+A1:2007/AC:2008**

Hind 0,00

Identne EN 13363-1:2003+A1:2007/AC:2008

**Solar protection devices combined with glazing - Calculation of solar and light transmittance - Part 1: Simplified method**

Keel en

**EVS-EN 15001-2:2008**

Hind 166,00

Identne EN 15001-2:2008

**Gas infrastructure - Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations -Part 2: Detailed functional requirements for commissioning, operation and maintenance**

This European Standard specifies detailed functional requirements for the commissioning, operation and maintenance of

- industrial gas installations and assemblies with an operating pressure greater than 0,5 bar and of
- non-industrial gas installations (residential and commercial) with an operating pressure greater than 5 bar,

Keel en

**EVS-EN 15316-4-7:2008**

Hind 256,00

Identne EN 15316-4-7:2008

**Hoonete küttesüsteemid. Süsteemide energiavajaduse ja süsteemide tõhususe arvutusmeetod. Osa 4-7: Küttesüsteemide soojusallikad, bioküttega süsteemid**

This European Standard is part of a series of standards on the method for calculation of system energy requirements and system efficiencies of space heating systems and domestic hot water systems. The scope of this specific part is to standardise the: - required inputs; - calculation method; - resulting outputs, for space heating generation by biomass combustion sub-systems (boilers) with stocking by hand, including control. This European Standard is also intended for the case of generation for both domestic hot water production and space heating. The case of generation only for domestic hot water production is treated in EN 15316-3-3.

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****EN 13693:2004/prA1**

Identne EN 13693:2005/prA1:2008

Tähtaeg 1.03.2009

**Betoonvalmistooted. Katuse erielemendid**

This standard identifies the requirements, the basic performance criteria and the evaluation of conformity for special precast roof elements made of reinforced or prestressed normal weight concrete, used for the construction of buildings, with or without separating function with respect to fire resistance.

Keel en

**EN 13707:2004/prA2**

Identne EN 13707:2004/prA2:2008

Tähtaeg 1.03.2009

**Elastsed niiskuisolatsioonimaterjalid. Sarrustatud bituumenpapp katuse niiskuisolatsiooniks. Määratlused ja omadused**

This European Standard specifies definitions and characteristics for flexible reinforced bitumen sheets for which the intended use is roofing. This covers sheets used as top layers, intermediate layers and underlayers. It does not cover reinforced bitumen sheets for waterproofing used as underlays for discontinuous roofing. It does not cover waterproofing sheets which are intended to be used fully bonded under bituminous products (e.g. asphalt) directly applied at high temperature, specified by prEN 14695.

Keel en

**EN 15326:2007/prA1**

Identne EN 15326:2007/prA1:2008

Tähtaeg 1.03.2009

**Bitumen and bituminous binders - Measurement of density and specific gravity - Capillary-stoppered pyknometer method**

This European standard specifies a procedure for determining the specific gravity and density of bituminous binders at  $(25,0 \pm 0,2)$  °C using the capillary-stoppered pyknometer method. Emulsions are excluded from the scope of this method.

Keel en

**EN 60335-2-67:2003/FprAB**

Identne EN 60335-2-67:2003/FprAB:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-67: Erinõuded põrandahooldus- ja puhastusmasinatele tööstuslikuks ja kaubanduslikuks kasutamiseks**

This standard applies to electrical motor-operated floor polishing (including waxing and buffing), scrubbing and grinding, scarifying and carpet shampooing appliances primarily designed for industrial and commercial use, with or without attachments, inclu

Keel en

**EN 60335-2-103:2003/FprAA**

Identne EN 60335-2-103:2003/FprAA:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele**

Deals with the safety of electric drives for horizontally and vertically moving gates, doors and windows, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Some examples of drives within the scope of this standard are folding doors, revolving doors, rolling doors, roof windows, sectional overhead doors, swinging and sliding gates and doors.

Keel en

**EN ISO 3822-3:1999/prA1**

Identne EN ISO 3822-3:1997/prA1:2008  
ja identne ISO 3822-3:1997/Damd1:2008  
Tähtaeg 1.03.2009

**Akustika. Veevarustussüsteemis kasutatavate armatuuri ja seadmete poolt tekitatava müra laborikatsed. Osa 3: Torustikus paiknevate ventiilide ja armatuuri paigaldamise ja kasutamise tingimused**

Standard kirjeldab torustikus paiknevate ventiilide ja armatuuri paigaldamise ja kasutamise tingimusi, kui mõõdetakse veevarustuspaigaldiste müra.

Keel en

**EN ISO 16484-5:2008/prA1**

Identne EN ISO 16484-5:2008/prA1:2008  
ja identne ISO 16484-5:2008/FDAM 1:2008  
5:2008/FDAM 1:2008  
Tähtaeg 1.03.2009

**Building automation and control systems — Part 5: Data communication protocol**

This part of ISO 16484 defines data communication services and protocols for computer equipment used for monitoring and control of heating, ventilation, air-conditioning and refrigeration (HVAC&R) and other building systems. It defines, in addition, an abstract, object-oriented representation of information communicated between such equipment, thereby facilitating the application and use of digital control technology in buildings. The scope and field of application are furthermore detailed in Clause 2 of the enclosed ANSI/ASHRAE publication.

Keel en

**prEN 933-8**

Identne prEN 933-8:2008  
Tähtaeg 1.03.2009

**Tests for geometrical properties of aggregates - Part 8: Assessment of fines - Sand equivalent test**

This Standard describes the reference method used for type testing and in cases of dispute for the determination of the sand equivalent value of 0/2 mm fraction (for 0/4 mm, see annex A) in fine aggregates or all-in aggregates. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established. It applies to natural aggregates.

Keel en

Asendab EVS-EN 933-8:2001

**prEN 933-9**

Identne prEN 933-9:2008  
Tähtaeg 1.03.2009

**Täitematerjalide geomeetriliste omaduste katsetamine. Osa 9: Peenosiste hindamine. Metüleensinise katse**

This standard describes the reference method used for type testing and in cases of dispute for the determination of the methylene blue value of the 0/2 mm fraction in fine aggregates or all-in aggregates (MB). It also describes the reference method for the determination of the methylene blue value of the 0/0,125 mm fraction (MBF) in Annex A. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the suitable reference method has been established.

Keel en

Asendab EVS-EN 933-9:2000

**prEN 933-10**

Identne prEN 933-10:2008  
Tähtaeg 1.03.2009

**Täitematerjalide geomeetriliste omaduste katsetamine. Osa 10: Peenosiste hindamine. Filleri terastikuline koostis (söelanalüüs õhujoas)**

This European Standard describes the reference method used for type testing and in cases of dispute for determining the particle size distribution up to 2 mm size of natural or manufactured origin filler aggregate using air jet sieving. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established.

Keel en

Asendab EVS-EN 933-10:2001

**prEN 1097-8**

Identne prEN 1097-8:2008  
Tähtaeg 1.03.2009

**Täitematerjalide füüsikaliste ja mehaaniliste omaduste katsetamine. Osa 8: Poleeritavuse määramine**

This Standard describes the reference method used for type testing and in cases of dispute for determining the polished stone value (PSV) of a coarse aggregate used in road surfacings. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established. Examples of advanced test methods can be found in Annex F. Annex A describes an optional method for the determination of the aggregate abrasion value (AAV).

Keel en

Asendab EVS-EN 1097-8:2000

**prEN 1555-1**

Identne prEN 1555-1:2008  
Tähtaeg 1.03.2009

**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 the other parts of EN 1555 (see Foreword) 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

**prEN 1555-2**

Identne prEN 1555-2:2008

Tähtaeg 1.03.2009

**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 the other parts of EN 1555 (see Foreword) 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

**prEN 1555-3**

Identne prEN 1555-3:2008

Tähtaeg 1.03.2009

**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 the other parts of EN 1555 (see Foreword), 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

**prEN 1555-4**

Identne prEN 1555-4:2008

Tähtaeg 1.03.2009

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves**

This part of EN 1555 specifies the characteristics of valves 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 the other parts of EN 1555, it is applicable to PE valves, 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 1555-4:2003

**prEN 1555-5**

Identne prEN 1555-5:2008

Tähtaeg 1.03.2009

**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 also 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 also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword) 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

**prEN 13381-4**

Identne prEN 13381-4:2008

Tähtaeg 1.03.2009

**Test methods for determining the contribution to the fire resistance of structural members - Part 4: Applied passive protection products to steel members**

This part of this European Standard specifies a test method for determining the contribution made by applied fire protection systems to the fire resistance of structural steel members, which can be used as beams, columns or tension members. The evaluation is designed to cover a range of thicknesses of the applied fire protection material, a range of steel sections, characterized by their section factors, a range of design temperatures and a range of valid fire protection classification periods. This European Standard applies to fire protection materials where the gap between the material and the flange faces of the steel member is less than 5 mm in size. Otherwise, the test methods in EN 13381-1 or EN 13381-2, as appropriate, apply.

Keel en

**prEN 15887**

Identne prEN 15887:2008

Tähtaeg 1.03.2009

**Building hardware - Uncontrolled Door Closing Devices for single action doors - Requirements and test methods**

This Standard specifies requirements and test methods for uncontrolled door closing devices, such devices being intended for fitting either singly, in multiples, or in combination with hinges. The Scope is limited to manually-operated, uncontrolled door closing devices for internal pedestrian door sets with single door leafs and with single action function. The energy for closing is generated by the user upon opening the door to at least 30 °, such that when the door is released, it returns to a closed position in an uncontrolled manner.

Keel en

### **prEN ISO 1182**

Identne prEN ISO 1182:2008

ja identne ISO/DIS 1182:2008

Tähtaeg 1.03.2009

#### **Reaction to fire tests for building and transport products - Non-combustibility test**

This International Standard specifies a method of test for determining the non-combustibility performance, under specified conditions, of homogeneous products and substantial components of non-homogeneous products. Information on the precision of the test method is given in annex A.

Keel en

Asendab EVS-EN ISO 1182:2002

### **prEN ISO 1716**

Identne prEN ISO 1716:2008

ja identne ISO/DIS 1716:2008

Tähtaeg 1.03.2009

#### **Reaction to fire tests for building and transport products - Determination of the heat of combustion**

This International Standard specifies a method for the determination of the heat of combustion of products at constant volume in a bomb calorimeter. This International Standard describes a test method for the measurement of the gross heat of combustion (PCS). Annex A describes the calculation of the net heat of combustion (PCI) when required. Information on the precision of the test method is given in Annex B.

Keel en

Asendab EVS-EN ISO 1716:2002

## **93 RAJATISED**

### **UUED STANDARDID**

#### **CEN/TS 15209:2008**

Hind 219,00

Identne CEN/TS 15209:2008

#### **Tactile paving surface indicators produced from concrete, clay and stone**

This document specifies the nominal dimensions for surface profile features and patterns for the surfaces of pedestrian paving units, used to convey information for visually impaired people. It applies to paving units made of concrete, clay and stone. This document does not specify requirements for visibility (colour, luminance contrast or profile) except where this visibility is provided by the tactile paving surface indicator. It does not specify material characteristics.

Keel en

#### **EVS 875-10:2008**

Hind 209,00

#### **Vara hindamine. Osa 10: Objekti ülevaatus ja andmete kogumine**

Standardiseeria EVS 875 käsitleb vara hindamist. Standardite kasutusala on vara hindamise ja hinnangute kasutamise seotud tegevused, eelkõige laenuatagaste ja finantsaruandluse seotud tegevused. Standardite kasutajateks on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonaspetsialistid, finantsaruandluse tegelevad spetsialistid (raamatupidajad, audiitorid), krediidiasutused, kõrgemad õppeasutused. Standardite olemasolu loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui ka avaliku sektori vajadusi.

Keel et

#### **EVS-EN 815:1999+A2:2008**

Hind 219,00

Identne EN 815:1996+A2:2008

#### **Kivimi puurimiseks kasutatavate kaitsekiipideta tunnelipuurimismasinate ja puurvardata puurmasinate ohutus. Ohutusnõuded KONSOLIDEERITUD TEKST**

This standard is applicable to unshielded tunnel boring machines, TBM's, and rodless shaft boring machines, SBM's, and their towed or attached back-up equipment for driving tunnels or shafts in rock where the whole area is excavated in one or more steps by mechanical means. It specifies essential safety requirements for the design, construction and maintenance of such machines when used in non-explosive atmosphere together with the methods of verification. The standard specifies monitoring for hazardous atmosphere. For TBM's and SBM's which are to be used continuously in explosive atmosphere, additional relevant standards also apply. This European Standard deals with all significant hazards pertinent to unshielded tunnel boring machines and rodless shaft boring machines for rock, when they are used as intended and 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

Asendab EVS-EN 815:1999; EVS-EN 815:1999/A1:2005

#### **EVS-EN 13043:2004/AC:2004**

Hind 0,00

Identne EN 13043:2002/AC:2004

#### **Asfaltsegude ning teede, lennväljade ja muude liiklusalade pindamiskihtide täitematerjalid**

Keel en

#### **EVS-EN 13108-1:2007/AC:2008**

Hind 0,00

Identne EN 13108-1:2006/AC:2008

#### **Asfaltsegud. Materjali spetsifikatsioon. Osa 1: Asfaltbetoon**

Keel en

#### **EVS-EN 13108-2:2007/AC:2008**

Hind 0,00

Identne EN 13108-2:2006/AC:2008

#### **Asfaltsegud. Materjalide spetsifikatsioonid. Osa 2: Väga õhukeste kihtide asfaltbetoon**

Keel en

#### **EVS-EN 13108-3:2007/AC:2008**

Hind 0,00

Identne EN 13108-3:2006/AC:2008

#### **Asfaltsegud. Materjalide spetsifikatsioonid. Osa 3: Pehme asfalt**

Keel en

#### **EVS-EN 13108-4:2006/AC:2008**

Hind 0,00

Identne EN 13108-4:2006/AC:2008

#### **Asfaltsegud. Materjali spetsifikatsioon. Osa 4: Kuumrullitud asfaltkate**

Keel en

#### **EVS-EN 13108-5:2007/AC:2008**

Hind 0,00

Identne EN 13108-5:2006/AC:2008

#### **Asfaltsegud. Materjalide spetsifikatsioonid. Osa 5: Killustikmastiksasfalt**

Keel en

**EVS-EN 13108-6:2007/AC:2008**

Hind 0,00

Identne EN 13108-6:2006/AC:2008

**Asfaltsegud. Materjali spetsifikatsioon. Osa 6: Valuasfalt**

Keel en

**EVS-EN 13108-7:2006/AC:2008**

Hind 0,00

Identne EN 13108-7:2006/AC:2008

**Asfaltsegud. Materjali spetsifikatsioon. Osa 7: Dreenasfalt**

Keel en

**EVS-EN 14033-1:2008**

Hind 315,00

Identne EN 14033-1:2008

**Railway applications - Track - Railbound construction and maintenance machines - Part 1: Technical requirements for running**

This European Standard specifies the technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation, infrastructure and fixed electric traction equipment.

Keel en

**EVS-EN 14364:2006+A1:2008**

Hind 271,00

Identne EN 14364:2006+A1:2008

**Plastics piping systems for drainage and sewerage with or without pressure - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) - Specifications for pipes, fittings and joints KONSOLIDEERITUD TEKST**

This European Standard specifies the required properties of the piping system and its components made from glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) intended to be used for drainage or sewerage with or without pressure. In a pipework system, pipes and fittings of different nominal pressure and stiffness ratings may be used together.

Keel en

Asendab EVS-EN 14364:2006

**KAVANDITE ARVAMUSKÜSITLUS****prEN 1536**

Identne prEN 1536:2008

Tähtaeg 1.03.2009

**Execution of special geotechnical work - Bored piles**

1.1 This European Standard establishes general principles for the construction of bored piles (see 3.2). - which are formed in the ground by excavation and - which are structural members used to transfer actions and or limit deformations. 1.2 This European Standard covers bored piles - with circular shape (see figure 1) and - barrettes (see 1.3 and 3.3), provided the section is concreted in a single operation.

Keel en

Asendab EVS-EN 1536:2001

**prEN 1538**

Identne prEN 1538:2008

Tähtaeg 1.03.2009

**Execution of special geotechnical work - Diaphragm walls**

This European Standard specifies the execution of diaphragm walls as both retaining and cut-off and the practical aspects which shall be taken into account in the production of the working drawings.

Keel en

Asendab EVS-EN 1538:2000

**prEN 12899-6**

Identne prEN 12899-6:2008

Tähtaeg 1.03.2009

**Fixed vertical road traffic signs - Part 6: Visual performance of retroreflective sheeting materials**

This standard specifies the visual performance for road users of retroreflective sheeting materials, as expressed by their retroreflection in vehicle headlamp illumination and their reflection and chromaticity in daylight.

Keel en

**95 SÕJATEHNIKA****UUED STANDARDID****CWA 14747-1:2003**

Hind 295,00

Identne CWA 14747-1:2003

**Humanitarian mine action - Test and evaluation - Part 1: Metal Detectors**

This CWA provides guidelines, principles and procedures for the testing and evaluation of metal detectors. NOTE This CWA is to be used by manufacturers, test and R&D organizations and field demining groups including Mine Action Centres. It is intended that the users will select the appropriate portions of this document. This CWA applies to all hand-held types of metal detectors for use in humanitarian demining. The Agreement is intended to be used for "commercial off-the-shelf" (COTS) detectors, but many of the tests specified within it could be applied to instruments under development.

Keel en

**CWA 14747-2:2008**

Hind 271,00

Identne CWA 14747-2:2008

**Humanitarian mine action - Test and evaluation - Part 2: Soil characterization for metal detector and ground penetrating radar performance**

This CEN Workshop Agreement provides mine action programmes, demining companies and field operators with: - simple procedures to assess the effects of soils on the performance of metal detectors and dual sensors (see 5) and - clues to recognise soils that may create difficulties to metal detectors (see 5.6) and dual sensors (see 5.7). It also provides people designing tests to evaluate metal detectors or dual sensors with: - a list of soil properties to record that can affect the performance of these detectors (see 6.2), - procedures to determine these properties (see Annex B), - relative soil comparison rules to compare and choose soils for testing (see 6.4 and 6.5), and - soil classifications based on the effects on metal detector performance (see 6.3); no such classification is currently available for dual sensors.

Keel en

## 97 OLME. MEELELAHUTUS. SPORT

### UUED STANDARDID

#### **CEN/TR 13387:2004**

Hind 377,00

Identne CEN/TR 13387:2004

#### **Child use and care articles - Safety guidelines**

These guidelines present safety specifications and test methodology relating to hazards that are common to child use and care articles. A common approach to product information is also considered.

Keel en

#### **CEN/TR 15709:2008**

Hind 166,00

Identne CEN/TR 15709:2008

#### **Mööblifurnituur. Liug- ja rullikuste liugfurnituuri terminid**

This European Technical Report specifies terms for all types of slide fittings for sliding doors and roll fronts for all fields of application. With the aid of figures it establishes different types, with the aim of facilitating comprehension of the technical language.

Keel en

#### **CEN/TR 15775:2008**

Hind 315,00

Identne CEN/TR 15775:2008

#### **Child use and care articles - National translations of warnings and instructions for use in child use and care articles standard**

The purpose of this document is to provide national translations of warnings and instructions for use in the European Standards of Child use and care articles. It is essential that the warnings and instructions for use be applied in accordance with the requirements and specifications in the European Standards of the Child use and care articles standards.

Keel en

#### **CEN/TS 15676:2007**

Hind 124,00

Identne CEN/TS 15676:2007

#### **Puidust põrandakate. Libastuskindlus. Pendelkatse**

This Technical Specification specifies the method of applying the pendulum test to wood flooring, in order to determine the slip resistance.

Keel en

#### **CEN/TS 15717:2008**

Hind 124,00

Identne CEN/TS 15717:2008

#### **Parkettpõrandakate. Üldised paigaldusjuhised**

This Technical specification gives guidelines for installation of parquet flooring. Products which are defined in EN 13226, EN 13227, EN 13228, EN 13488, EN 13489, EN 13629, and EN 14761 are concerned. This Technical specification applies for installations indoors, and does not apply to the installation of joists and sub floors. This Technical specification does not cover installations in service class 3 (see 3.4).

Keel en

#### **CWA 15902-1:2008**

Hind 295,00

Identne CWA 15902-1:2008

#### **Lifting and Load-bearing Equipment for Stages and other Production Areas within the Entertainment Industry - Part 1: General requirements (excluding aluminium and steel trusses and towers)**

This document applies to machinery and machinery installations used in places of assembly and in staging and production facilities for events and theatrical productions (stage machinery, for short). Such facilities include: theatres, multi-purpose halls, exhibition halls; film, television and radio studios; concert halls, schools, exhibition halls; bars, discotheques, open-air stages and other rooms for shows and events.

Keel en

#### **CWA 15902-2:2008**

Hind 209,00

Identne CWA 15902-2:2008

#### **Lifting and Load-bearing Equipment for Stages and other Production Areas within the Entertainment Industry - Part 2: Specifications for design, manufacture and for use of aluminium and steel trusses and towers**

This standard covers design, manufacture and use of aluminium and steel trusses, towers and associated structural components such as tower head blocks, sleeve blocks, bases and corner blocks used in the entertainment industry. Entertainment activities are included but not limited to leisure, sports, arts, cultural performances, amusement or presentation of products. Examples of entertainment activities are: a) Product presentations; b) theatre shows, musicals, opera and ballet; c) classical, pop and rock concerts; d) festivals; e) exhibitions and trade shows; f) celebrations and parties; g) fairgrounds; h) conventions, demonstration meetings and i) production facilities for film, television or radio.

Keel en

#### **EVS-EN 913:2008**

Hind 155,00

Identne EN 913:2008

#### **Võimlemisvarustus. Üldised ohutusnõuded ja katsemeetodid**

This European Standard specifies general safety requirements and test methods for all pieces of gymnastic equipment intended for use supervised by a competent person and not specified in other, individual standards. This European Standard is not applicable to other sport equipment, playground equipment, stationary training equipment or educational training equipment.

Keel en

Asendab EVS-EN 913:2000

**EVS-EN 914:2008**

Hind 114,00

Identne EN 914:2008

**Gymnastic equipment - Parallel bars and combination asymmetric/parallel bars - Requirements and test methods including safety**

This European Standard specifies functional requirements (see Clause 3) and specific safety requirements in addition to the general safety requirements in EN 913 (see Clause 4), which shall be read in conjunction with this standard. This European Standard is applicable to 2 types of parallel bars (see Table 1) intended for use under supervision of a competent person.

Keel en

Asendab EVS-EN 914:2000

**EVS-EN 915:2008**

Hind 105,00

Identne EN 915:2008

**Gymnastic equipment - Asymmetric bars - Requirements and test methods including safety**

This European Standard specifies functional requirements (see Clause 3) and specific safety requirements in addition to the general safety requirements in EN 913 (see Clause 4) which shall be read in conjunction with this standard. This European Standard is applicable to 2 types of asymmetric bars (see Table 1) intended for use under supervision of a competent person.

Keel en

Asendab EVS-EN 915:2000

**EVS-EN 1509:2008**

Hind 114,00

Identne EN 1509:2008

**Playing field equipment - Badminton equipment - Functional and safety requirements, test methods**

This European Standard specifies the functional requirements (see Clause 3) and the safety requirements (see Clause 4) for badminton equipment, excluding rackets and shuttlecocks. This European Standard is applicable to three types and four classes for indoor standing as well as for indoor wheel chair badminton equipment for competition and training (see 3.1). Other types and sizes as those described in this European Standard are permissible provided the safety requirements of this European Standard are taken into consideration.

Keel en

Asendab EVS-EN 1509:2004

**EVS-EN 12572-2:2008**

Hind 166,00

Identne EN 12572-2:2008

**Artificial climbing structures - Part 2: Safety requirements and test methods for bouldering walls**

This European Standard specifies the safety requirements and calculation methods for bouldering walls, including the safety zone. This European Standard is applicable when the bouldering is in normal use. This European Standard is not applicable to ice climbing, dry tooling, playground equipment and deep water soloing.

Keel en

Asendab EVS-EN 12572:2001

**EVS-EN 12572-3:2008**

Hind 105,00

Identne EN 12572-3:2008

**Artificial climbing structures - Part 3: Safety requirements and test methods for climbing holds**

This European Standard specifies the safety requirements and test methods for climbing holds. This European Standard is applicable to climbing holds, which are used for the natural progression of the climber, i.e. without the use of artificial means (e.g. ice axes, crampons, hooks, nuts) on artificial climbing structures (ACS) and bouldering walls. Climbing holds are designed to be mounted on the ACS with bolts, screws etc. Climbing holds include large volumes or features that are designed for use without additional climbing holds being attached to them. (Volumes or features that are designed for use with additional climbing holds attached to them should meet the requirements of EN 12572-1) The main fixation points for climbing holds forms part of the existing layout of the ACS and are considered in EN 12572-1 and EN 12572-2. A hold is not a belay anchor system; it is not designed to accommodate the latter and is therefore is not intended for belaying the climber. If a hold is designed as belay point it should meet EN 12572-1 and EN 12572-3 of the standard. This European Standard is not applicable to ice climbing, dry tooling and playground equipment.

Keel en

Asendab EVS-EN 12572:2001

**EVS-EN 13219:2008**

Hind 145,00

Identne EN 13219:2008

**Gymnastic equipment - Trampolines - Functional and safety requirements, test methods**

This European Standard specifies functional requirements for five types of trampolines (see Clause 3) and specific safety requirements (see Clause 4) in addition to the general safety requirements of EN 913. This European Standard is applicable to five types of trampolines intended for use under qualified supervision of a competent person as identified in Table 1. It does not apply to tumble tracks (fast tracks), trampolines and mini-trampolines intended for home use, safety harnesses or other accessories.

Keel en

Asendab EVS-EN 13219:2002

**EVS-EN 50465:2008**

Hind 356,00

Identne EN 50465:2008

**Gas appliances - Fuel cell gas heating appliance - Fuel cell gas heating appliance of nominal heat input inferior or equal to 70 kW**

This European Standard applies to the construction, the safety, the functional requirements and the test methods, as well as the classification and the marking of a fuel cell gas heating appliance, which will be operated predominantly heat followed, meeting the following boundary conditions: - maximum heat load (gas input): 70 kW - maximum electrical output: 11 kW.

Keel en



**EVS-EN 60065:2002/A11:2008**

Hind 114,00

Identne EN 60065:2002/A11:2008

**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 60335-2-11:2003/A11:2008**

Hind 68,00

Identne EN 60335-2-11:2003/A11:2008

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-11: Erinõuded trummelkuivatitele**

Deals with the safety of electric tumble dryers intended for household and similar purposes. The rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to the drying function of washing machines having a drying cycle

Keel en

**EVS-EN 60335-2-27:2003/A1:2008**

Hind 135,00

Identne EN 60335-2-27:2003/A1:2008

ja identne IEC 60335-2-27:2002/A1:2004

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-27: Erinõuded naha ultraviolet- ja infrapunakiiritusseadmetele**

Deals with the safety of appliances for skin exposure to ultraviolet or infrared radiation, intended for normal household as well as tanning salon and beauty parlour use. Appliance rated voltage being not more than 250 V single phase and 480 V for other a

Keel en

**EVS-EN 60335-2-27:2003/A2:2008**

Hind 145,00

Identne EN 60335-2-27:2003/A2:2008

ja identne IEC 60335-2-27:2002/A2:2007

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-27: Erinõuded naha ultraviolet- ja infrapunakiiritusseadmetele**

Deals with the safety of appliances for skin exposure to ultraviolet or infrared radiation, intended for normal household as well as tanning salon and beauty parlour use. Appliance rated voltage being not more than 250 V single phase and 480 V for other a

Keel en

**EVS-EN ISO 8230-1:2008**

Hind 209,00

Identne EN ISO 8230-1:2008

ja identne ISO 8230-1:2008

**Kuivpuhastusmasinate ohutusnõuded. Osa 1: Üldised ohutusnõuded**

This part of ISO 8230 specifies common safety requirements for dry-cleaning machines. It is applicable to dry-cleaning machines of all sizes intended for industrial and commercial use for the cleaning of articles made of textile, leather, furs and skins, using exclusively either perchloroethylene or combustible solvent as the cleaning medium. It is not applicable to: - machines placed at the disposal of the general public (self-service); - barrier machines as defined in 3.1.5; - transfer machines as defined in 3.1.4; - ironing presses (see ISO 10472-1 and ISO 10472-6); - ancillary equipment, e.g. room ventilation equipment, waste recuperation systems of the still, external water cooling systems or external systems for solvent recovery from the still sludge.

Keel en

Asendab EVS-EN ISO 8230:1999

**EVS-EN ISO 8230-2:2008**

Hind 105,00

Identne EN ISO 8230-2:2008

ja identne ISO 8230-2:2008

**Kuivpuhastusmasinate ohutusnõuded. Osa 2: Perkloroetüleeni kasutavad masinad**

This part of ISO 8230 specifies safety requirements for dry-cleaning machines that exclusively use perchloroethylene (hereinafter known as "perc") as their cleaning medium. It is applicable to such dry-cleaning machines, within the scope of ISO 8230-1, when they are used as intended and under conditions of misuse that are reasonably foreseeable by the manufacturer. It is not applicable to: - open-circuit dry-cleaning machines; - transfer machines.

Keel en

Asendab EVS-EN ISO 8230:1999

**EVS-EN ISO 8230-3:2008**

Hind 124,00

Identne EN ISO 8230-3:2008

ja identne ISO 8230-3:2008

**Safety requirements for dry-cleaning machines - Part 3: Machines using combustible solvents**

This part of ISO 8230 specifies safety requirements for dry-cleaning machines that use a combustible solvent (CS), as defined in ISO 8230-1, as their cleaning medium. It is applicable to such dry-cleaning machines, within the scope of ISO 8230-1, when they are used as intended and under conditions of misuse that are reasonably foreseeable by the manufacturer. This part of ISO 8230, in conjunction with ISO 8230-1, deals with all significant hazards, significant hazardous situations and significant hazardous events that have been identified as being significant to the types of machines covered by this part of ISO 8230 and which require specific action by the designer or manufacturer to eliminate or reduce the risk.

Keel en

Asendab EVS-EN ISO 8230:1999

### **EVS-EN ISO 10472-1:2008**

Hind 178,00

Identne EN ISO 10472-1:2008

ja identne ISO 10472-1:1997

#### **Tööstuspesumasinate ohutusnõuded. Osa 1: Ühtsed nõuded**

Standardi EN ISO 10472 eraldi osad määravad kindlaks olulisemad ohud, mis seostuvad tööstuspesumasinatega, mida kasutatakse muuhulgas hotellides, haiglates, hooldekodudes, vanglates jt samalaadsetes asutustes, samuti selvepesumajade pesumasinatega, mille miinimumvõimsus on kehtestatud EN ISO 10472 eraldi osades.

Keel en

Asendab EVS-EN ISO 10472-1:1999

### **EVS-EN ISO 10472-2:2008**

Hind 166,00

Identne EN ISO 10472-2:2008

ja identne ISO 10472-2:1997

#### **Tööstuspesumasinate ohutusnõuded. Osa 2: Pesumasinad ja tsentrifuugpesumasinad**

Standardi EN ISO 10472 see osa ja EN ISO 10472-1 määravad kindlaks olulisemad ohud, mis seostuvad igasuguse konfiguratsiooniga pesumasinate ja tsentrifuugpesumasinatega, mille kasulik netokambri maht on üle 60 liitri.

Keel en

Asendab EVS-EN ISO 10472-2:1999

### **EVS-EN ISO 10472-3:2008**

Hind 135,00

Identne EN ISO 10472-3:2008

ja identne ISO 10472-3:1997

#### **Tööstuspesumasinate ohutusnõuded. Osa 3: Pesutunnel-liinid koos komponentseadmetega**

Standardi EN ISO 10472 see osa ja EN ISO 10472-1 määravad kindlaks olulisemad ohud, mis seostuvad pesutunnel-liinidega ja selliste komponentseadmetega nagu pidevtunneliga pesumasinad, väänamispressid või -tsentrifuugid, edasikandesüsteemid, automaatsed teisaldustrumlid, peale- või mahalaadimissüsteemi liidesed, juurdepääsuplatvormid ja redelid.

Keel en

Asendab EVS-EN ISO 10472-3:1999

### **EVS-EN ISO 10472-4:2008**

Hind 135,00

Identne EN ISO 10472-4:2008

ja identne ISO 10472-4:1997

#### **Tööstuspesumasinate ohutusnõuded. Osa 4: Õhkuivatid**

Standardi EN ISO 10472 see osa ja EN ISO 10472-1 määravad kindlaks olulisemad ohud, mis seostuvad õhkuivatite ja eriti trummelkuivatitega, mille kasulik netokambri maht on üle 160 liitri, samuti tunnelpakkijatega, mille koosseisu kuuluvad asjakohased transportöörid ja kuivatuskambrid.

Keel en

Asendab EVS-EN ISO 10472-4:1999

### **EVS-EN ISO 10472-5:2008**

Hind 166,00

Identne EN ISO 10472-5:2008

ja identne ISO 10472-5:1997

#### **Tööstuspesumasinate ohutusnõuded. Osa 5: Lametriikraud, etteandurid ja voltimisseadmed**

This part of ISO 10472 covers, together with ISO 10472-1, most significant hazards associated with flatwork ironers, feeders and folders, such as:- cylinder and bed ironers for flatwork finishing having a contact area (for bed ironers under pressure) > 0,25 m<sup>2</sup>;- flatwork feeding machines for the automatic feeding of flatwork into bed or cylinder ironers, or directly to folders;- flatwork folding machines for the automatic folding of flatwork in association with cylinder and bed ironers;- folding machines for the automatic folding of small pieces (excluding endless towels);- multi-function machines.

Keel en

Asendab EVS-EN ISO 10472-5:1999

### **EVS-EN ISO 10472-6:2008**

Hind 135,00

Identne EN ISO 10472-6:2008

ja identne ISO 10472-6:1997

#### **Tööstuspesumasinate ohutusnõuded. Osa 6: Triik- ja sulatuspressid**

This part of ISO 10472 covers, together with ISO 10472-1, most significant hazards associated with ironing and fusing presses used in the laundry, garment and dry-cleaning industry, and in particular:- scissor presses;- cabinet presses;- drawer presses;- rotary presses (carousel) and other presses with multiple bucks.

Keel en

Asendab EVS-EN ISO 10472-6:1999

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 71-1:2005/prA10**

Identne EN 71-1:2005/prA10:2008

Tähtaeg 1.03.2009

#### **Mänguasjade ohutus. Osa 1: Mehaanilised ja füüsilised omadused**

This European Standard specifies requirements and methods of tests for mechanical and physical properties of toys. This European Standard applies to toys for children, toys being any product or material designed or clearly intended for use in play by children of less than 14 years. It refers to new toys taking into account the period of foreseeable and normal use, and that the toys are used as intended or in a foreseeable way, bearing in mind the normal behaviour of children. It includes specific requirements for toys intended for children under 36 months and for children who are too young to sit up unaided. For the purpose of this European Standard, soft-filled toys with simple features intended for holding and cuddling are considered as toys intended for children under 36 months. This European Standard also specifies requirements for packaging, marking and labelling. This European Standard does not cover musical instruments, sports equipment or similar items but does include their toy counterparts.

Keel en

**EN 60335-1:2003/A13**

Identne EN 60335-1:2002/A13:2008

Tähtaeg 1.03.2009

**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 60335-2-60:2003/FprAB**

Identne EN 60335-2-60:2003/FprAB:2008

Tähtaeg 1.03.2009

**Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas**

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

Keel en

**EN 60335-2-68:2003/FprAB**

Identne EN 60335-2-68:2003/FprAB:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-68: Erinõuded pihustustõmbeseadmetele tööstuslikuks ja kaubanduslikuks kasutamiseks**

Applicable to the safety of electrical portable, motor-operated spray extraction appliances and electrical attachments intended for industrial and commercial use, their rated voltage being not more than 250 V for single-phase and 480 V for other appliance

Keel en

**EN 60335-2-69:2003/FprAC**

Identne EN 60335-2-69:2003/FprAC:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-69: Erinõuded märg- ja kuivtolmuimejatele, sealhulgas elektriharjadele, tööstuslikuks ja kaubanduslikuks kasutamiseks**

Applicable to the safety of electrical motor-operated vacuum cleaners, including appliances and stationary equipment specifically designed for wet suction, dry suction, or wet and dry suction for industrial and commercial use. The rated voltage being not mo

Keel en

**EN 60335-2-79:2004/FprAC**

Identne EN 60335-2-79:2004/FprAC:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-79: Erinõuded kõrgsurvepuhastitele ja aurupuhastitele**

This European Standard deals with the safety of high pressure cleaners without traction drive, intended for household and commercial indoor or outdoor use, having a rated pressure not less than 2,5 MPa and not exceeding 35 MPa. It also applies to steam cleaners and those parts of hot water high pressure cleaners incorporating a steam stage which have a capacity not exceeding 100 l, a rated pressure not exceeding 2,5 MPa and a product of capacity and rated pressure not exceeding 5 MPa·l. The following power systems of the drive for the high pressure pump are covered: - mains powered motors up to a rated voltage of 250 V for single-phase machines and 480 V for other machines, - battery powered motors, - internal combustion engines, - hydraulic or pneumatic motors. This part 2 applies in conjunction with EN 60335-1:2002 and its amendments, which is referred to in this text as "Part 1". This part 2 supplements or modifies the corresponding clauses of Part 1 as indicated in the text.

Keel en

**EN 60335-2-105:2005/FprAA**

Identne EN 60335-2-105:2005/FprAA:2008

Tähtaeg 1.03.2009

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

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

Keel en

**prEN 527-1**

Identne prEN 527-1:2008

Tähtaeg 1.03.2009

**Büroomööbel. Töölauad ja puldid. Osa 1: Mõõtmed**

This European Standard specifies dimensions of work tables and desks for office tasks to be undertaken in a seated, a sit stand or stand position. It includes neither dimensions for storage unit nor those for other tables in the office area or reception desks.

Keel en

Asendab EVS-EN 527-1:2000

**prEN 15544**

Identne prEN 15544:2008

Tähtaeg 1.03.2009

**One off Kachelgrundöfen/Putzgrundöfen  
(tiled/mortared stoves) - Dimensioning**

This standard specifies calculations for the dimensioning of Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) based upon the required nominal heat output of the stove as declared by the producer. The Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) are of individual one-off construction design. The standard can be used for log wood fired Kachelöfen (tile stoves) that burn one fuel load per storage period with a maximum load between 10 kg and 40 kg and a storage period (nominal heating time) between 8 h and 24 h.

This standard is valid for Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) equipped with fireclay as interior material, with an apparent density between 1,750 kg/m<sup>3</sup> and 2,200 kg/m<sup>3</sup>, a degree of porosity from 18 % up to 33 % by volume and a heat conductivity from 0,65 W/mK up to 0,90 W/mK (temperature range 20 °C to 400 °C).

Keel en

**prEN 15886**

Identne prEN 15886:2008

Tähtaeg 1.03.2009

**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 is described. The method may be applied to porous inorganic materials either untreated or subjected to any treatment or natural ageing. The method is suitable for in-situ measurement of colour coordinates of works of art located indoors or outdoors.

Keel en

**prEN ISO 9239-1**

Identne prEN ISO 9239-1:2008

ja identne ISO/DIS 9239-1:2008

Tähtaeg 1.03.2009

**Reaction to fire tests for floorings - Part 1:  
Determination of the burning behaviour using a  
radiant heat source**

This International Standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames. Annex A gives details of assessing the smoke development, when required. This method is applicable to all types of flooring e.g. textile carpet, cork, wood, rubber and plastic coverings as well as coatings. Results obtained by this method reflect the performance of the flooring, including any substrate if used. Modifications of the backing, bonding to a substrate, underlay or other changes of the flooring may affect test results.

Keel en

Asendab EVS-EN ISO 9239-1:2002

## STANDARDITE TÕLKED KOMMENTEERIMISEL

Selles jaotises avaldame teavet eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite kohta ja inglise keelde tõlgitavate algupäraste standardite kohta.

Veebruarikuust 2004 alates ei avaldata teavet arvamusküsitluse jaotises eelpool nimetatud standardite kohta, kuna tegemist on varem jõustumisteate meetodil üle võetud standarditega, mille sisu osas arvamust avaldada ei saa. Alates aastast 2008 ei muuda standardi tõlkimine standardi tähises aastaarvu ning eestikeelse standardi avaldamise aasta on sama, mis standardi esmakordsel avaldamisel Eesti standardina (reeglina jõustumisteate meetodil standardi inglisekeelse teksti kättesaadavaks tegemisega).

Standardite tõlgetega tutvumiseks palume ühendust võtta EVS-i standardiosakonnaga [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee) või ostmiseks klienditeenindusega [standard@evs.ee](mailto:standard@evs.ee).

**Tõlgete kommenteerimise ja ettepanekute esitamise perioodi lõpp on 01.02.2009**

### **prEVS-EN 1745:2002**

#### **Müüritis ja müüritisetooted. Arvutuslike soojusväärtuste määramise meetodid**

Euroopa standard esitab meetodid müüritise ja müüritoodete arvutuslike soojusväärtuste (soojustakistuse ja/või soojuserijuhtivuse) määramiseks.

Identne: EN 1745:2002

### **prEVS-ISO/IEC 12207**

#### **Infotehnoloogia. Tarkvara elutsükli protsessid (ISO/IEC 12207:2008)**

Standard kehtestab tarkvara elutsükli protsesside tarbeks üldise, täpselt määratletud terminoloogiaga raamstruktuuri, millele saab viidata tarkvara valdkonnas. See struktuur sisaldab protsesse, tegevusi ja töid, mida tuleb rakendada tarkvaratoote või -teenuse hankimisel ning tarkvaratoodete tarnimisel,

väljatöötamisel, käitamisel, hooldamisel ja kõrvaldamisel. Tarkvara hõlmab ka püsivara tarkvaraosa. See standard puudutab organisatsioonisisest või -välist süsteemide ning tarkvaratoodete ja -teenuste hankimist, tarkvaratoodete ja süsteemi tarkvaraosa tarnimist, väljatöötamist, käitust, hooldust ja kõrvaldamist. Standard hõlmab ka neid süsteemi määratluse aspekte, mis on vajalikud tarkvaratoodete ja -teenuste kontekstina. Standard annab ka protsessi, mida saab rakendada tarkvara elutsükli protsesside määratlemiseks, juhtimiseks ja täiustamiseks. Selle standardi protsesse, tegevusi ja töid võib – eraldi või seoses standardiga ISO/IEC 15288 – rakendada ka tarkvara sisaldava süsteemi hankimisel.

Identne: ISO/IEC 12207:2008

# DETSEMBRIKUUS JÕUSTUNUD JA MÜÜGILE SAABUNUD EESTIKEELSE STANDARDID

## **EVS-EN 13232-6:2005**

### **Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed. Osa 6: Jäigad teravnurksed ja tõmbid ruströöpad 188.-**

Eesti standard on Euroopa standardi EN 13232-6:2005 "Railway applications – Track – Switches and crossings – Part 6: Fixed common and obtuse crossings" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard käsitleb järgmist:

- jäikade ruströöbaste ja nende koostisosade talitluslik määratlus ning põhilised tüübid;
- ristmete kirjeldamiseks erisuguste alternatiivsete meetodite loetelu esitamine, kasutades järgmisi parameetreid:
- ruströöbaste geomeetria;
- konstruktsiooni tüübid;
- projekteerimiskriteeriumid;
- valmistamisprotsessid;
- piirhälbed ja ülevaatus.

## **EVS-EN 13232-7:2006**

### **Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed. Osa 7: Liikuvate osadega ruströöpad 271.-**

Eesti standard on Euroopa standardi EN 13232-7:2006 "Railway applications – Track – Switches and crossings – Part 7: Crossings with moveable parts" ingliskeelse teksti identne tõlge eesti keelde. Standardi see osa käsitleb järgmist:

- liikuvate osadega ruströöbaste (ehk ruströöbaste, mille liikuvad osad sulgevad rööpapea servade ühinemiskohtadel tekkivad pilud) ja nende koostisosade talitluslik määratlus ning põhilised tüübid;
- liikuvate osadega ruströöbaste ja/ või nende koostisosade valmistamiseks vajalike miinimumnõuete määratlemine;
- liikuvate osadega ruströöbaste ja/või nende koostisosade ülevaatuks vajalike praktiliste eeskirjade formuleerimine;
- paigaldise piiride ja ulatuse määratlemine;

- liikuvate osadega ruströöbaste ja nende konstruktsiooni osade tuvastamise ja jälgimise meetodite loetelu esitamine;
- liikuvate osadega ruströöbaste kirjeldamiseks erisuguste alternatiivsete meetodite loetelu esitamine, kasutades järgmisi parameetreid:
- ruströöbaste geomeetria;
- konstruktsiooni tüübid;
- talitlusnõuded;
- projekteerimiskriteeriumid;
- piirhälbed ja ülevaatus.

## **EVS-EN 13232-8:2007**

### **Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed. Osa 8: Pikenemiskompensaatorid 209.-**

Eesti standard on Euroopa standardi EN 13232-8:2007 "Railway applications – Track – Switches and crossings – Part 8: Expansion devices" ingliskeelse teksti identne tõlge eesti keelde.

Standardi EN 13232 see osa käsitleb järgmisi teemasid: pikenemiskompensaatorite koostisosade ja tüüpide viisi kasutatav talitluslik määratlus; pikenemiskompensaatorite ja nende koostisosade minimaalsete valmistamisnõuete määratlemine; ülevaatus ja piirhälvete praktiliste eeskirjade formuleerimine; pikenemiskompensaatorite ja nende koostisosade tuvastamise ja jälgimise meetodi määratlemine.

## **EVS-EN 13232-9:2006**

### **Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed. Osa 9: Pöörmerajatised 295.-**

Eesti standard on Euroopa standardi EN 13232-9:2006 "Railway applications – Track – Switches and crossings – Part 9: Layouts" ingliskeelse teksti identne tõlge eesti keelde.

Standardi see osa käsitleb järgmist:

- pöörmete ja ristmete projekteerimisprotsessi kirjeldus ja standardi ülejäänud osade kasutamine;
- paigaldise projekteerimisel arvesse võetavate põhikriteeriumite

määratlemine koos ohutuse ja funktsionaalsete mõõtmete ning geomeetriliste ja materjalist tulenevate aspektidega;

- konstruktsiooni heakskiidumenetluses kontrollitavate põhikriteeriumite määratlemine;
- geomeetriliste ja mitte-geomeetriliste heakskiidukriteeriumite määratlemine nii tehase territooriumil kui ka kliendi marsruudile maha pandud paigaldiste ülevaatuseks juhul, kui paigaldis on tarnitud koostamata, osaliselt koostatuna või "komplektina";
- tarnitava paigaldise ulatuse määratlemine;
- jälgitavuse miinimumnõuete määratlemine.

Standardit rakendatakse üksnes tehase territooriumil või esmakordselt marsruudil koostatud paigaldistele. Talitlust mõjutavad ka muud aspektid (nt paigaldus- ja hooldustööde läbiviimine); need ei kuulu selles standardi osas vaatluse alla.

#### **EVS-EN 13501-5:2006**

**Ehitustoodete ja -elementide tuleohutus-alane klassifikatsioon. Osa 5: Katuse-katete klassifikatsioon tuletundlikkuse katsete alusel 198.-**

Eesti standard on Euroopa standardi EN 13501-5:2005 "Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests" koos parandustega AC:2006 ja AC:2008 ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard käsitleb katuste/katusekatete tuletundlikkuse klassifikatsiooni tuginedes neljale katsemeetodile, mis on toodud standardis ENV 1187:2002.

Katuste/katusekatete klassifitseerimisel tuleb kasutada ainult neid katsemeetodeid, mida vastavas klassifikatsioonis vaadeldakse. Tooteid käsitletakse nende lõpprakenduse alusel.

MÄRKUS: Vahetegemine järsu kallakuga katuste ja fassaadide vahel rakendatava katse- ja klassifikatsiooni standardi kontekstis, võib olla reguleeritud rahvuslike eeskirjadega.

#### **EVS-EN 61557-1:2007**

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide**

#### **katsetus-, mõõte- ja seireseadmed. Osa 1: Üldnõuded 166.-**

Eesti standard on Euroopa standardi EN 61557-1:2007 "Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 1: General requirements" ingliskeelse teksti identne tõlge eesti keelde.

Standardisarja IEC 61557 see osa sätestab põhinõuded mõõte- ja seireseadmetele elektriohutuse kontrollimisel madalpingevõrkudes ja -paigaldistes nimitahelduvpingega kuni 1000 V ja nimitahelduvpingega kuni 1500 V.

Kui mõõteseade või mõõtepaigaldis on ette nähtud mitme selles standardisarjas käsitletava mõõtmise sooritamiseks, tuleb iga sellise mõõtmistoimingu puhul rakendada standardisarja vastava osa nõudeid.

MÄRKUS: Mõõteseadmete all mõistetakse edaspidi kõiki katsetus-, mõõte- ja seireseadmeid.

#### **EVS-EN 61557-2:2007**

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2: Isolatsioonitakistus 114.-**

Eesti standard on Euroopa standardi EN 61557-2:2007 "Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 2: Insulation resistance" ingliskeelse teksti identne tõlge eesti keelde.

Standardisarja IEC 61557 see osa sätestab nõuded seadmete ja paigaldiste isolatsioonitakistuse mõõteseadmetele, mis on ette nähtud mõõtmisteks pingestamata olekus.

#### **EVS-EN 61557-3:2007**

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3: Rikkesilmuse näivtakistus 124.-**

Eesti standard on Euroopa standardi EN 61557-3:2007 "Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 3: Loop impedance" ingliskeelse teksti identne tõlge eesti keelde.

Standardisarja IEC 61557 see osa sätestab nõuded faasijuhi ja kaitsejuhi, faasijuhi ja neutraaljuhi või kahe faasijuhi vahelise rikketsilmuse näivtakistuse mõõteseadmetele mõõtmistel pingelangu järgi ahela koormatud olekus.

#### **EVS-EN 61557-4:2007**

##### **Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitstesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4: Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus 114.-**

Eesti standard on Euroopa standardi EN 61557-4:2007 "Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 4: Resistance of earth connection and equipotential bonding" ingliskeelse teksti identne tõlge eesti keelde.

Standardisarja IEC 61557 see osa sätestab nõuded maandusjuhtide, kaitsejuhtide ja potentsiaaliühtlustusjuhtide (kaasaarvatult nende ühenduste ja klemmide) takistuse mõõteseadmetele, mis näitavad mõõdetud väärtust või piirväärtusi.

#### **EVS-EN 61557-5:2007**

##### **Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitstesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5: Maandustakistus 114.-**

Eesti standard on Euroopa standardi EN 61557-5:2007 "Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 5: Resistance to earth" ingliskeelse teksti identne tõlge eesti keelde.

Standardisarja IEC 61557 see osa sätestab nõuded maandustakistuse mõõteseadmetele, milles kasutatakse vahelduvpinget.

#### **EVS-EN 61557-6:2007**

##### **Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitstesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6: Rikkevoolukaitseaparatuuride tõhusus TT-, TN- ja IT-süsteemides 135.-**

Eesti standard on Euroopa standardi EN 61557-6:2007 "Electrical safety in low

voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems" ingliskeelse teksti identne tõlge eesti keelde.

Standardisarja IEC 61557 see osa sätestab nõuded rikkevoolukaitseaparatuuride automaatsel väljalülitumisel põhinevate kaitseviiside tõhususe katsetamisel TT-, TN- ja IT-süsteemides.

#### **EVS-EN 12663:2000**

##### **Raudteelased rakendused. Nõuded raudteeveeremi kerekonstruktsioonidele 155.-**

Eesti standard on Euroopa standardi EN 12663:2000 "Railway applications – Structural requirements of railway vehicle bodies" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määratleb miinimumnõuded raudteeveeremi kerekonstruktsioonidele.

Standard määratleb ka koormused, mida raudteeveeremi kered peavad olema suutelised taluma, sätestab materjaliandmete kasutusviisi ja tutvustab konstruktsioonide kontrollimiseks vajalikku analüüsi- ja katsetoodikat. Raudteeveerem on jagatud kategooriasse, mis on määratletud üksnes veeremi kere konstruktsioonilistest nõuetest lähtuvalt. Neid konstruktsioonilisi nõudeid ei tohi samastada eksploatatsiooninõuetega. Iga raudtee-ettevõtja vastutab oma projekteeritavate raudteeveeremi konstruktsioonikategooria valiku eest. Mõni veeremiüksus ei pruugi liigituda ühessegi määratletud kategooriatest; sellistel juhtudel määratleb raudteeveeremi konstruktsioonilised nõuded raudtee-ettevõtja, juhindudes käesolevas Euroopa standardis toodud põhimõtetest.

Standard kohaldub kogu Euroopa Liidu ja Euroopa Vabakaubanduse Assotsiatsiooni territooriumil kasutatavale raudteeveeremile. Määratletud nõuete koostamisel on eeldatud, et nende aluseks olevad tingimused ja olukorrad on elloetletud riikides enamlevinud.

#### **EVS-EN 14198:2005**

##### **Raudteelased rakendused. Pidurdamine. Nõuded veduriga veetavate rongide pidurisüsteemidele 219.-**

Eesti standard on Euroopa standardi EN 14198:2004 "Railway applications – Braking –



Requirements for the brake system of trains hauled by a locomotive" ingliskeelse teksti identne tõlge eesti keelde. Standard määratleb vedurite abil veetavate rongide pidurisüsteemidele esitatavad põhinõuded, hõlmates ka Euroopa raudteemarsruutidel eksploatatsioonis olevat üksikveeremit ja vastavaid infrastruktuurisüsteeme.

#### **EVS-EN 13779:2007**

##### **Mitteeluhoonete ventilatsioon. Üldnõuded ventilatsiooni- ja ruumiõhu konditsioneerimissüsteemidele 295.-**

Eesti standard on Euroopa standardi EN 13779:2007 "Ventilation for non-residential buildings – Performance requirements for ventilation and room-conditioning systems" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard käsitleb ruumide ventilatsiooni- ja konditsioneerimissüsteemide projekteerimist ja ehitamist inimeste poolt kasutatavates mitteiluhoonetes, välja arvatud tööstuslikult kasutatavad. Standard keskendub erinevate, nende süsteemide puhul oluliste parameetrite määratlemisele.

Standardis ja selle lisades antavad projekteerimisjuhised kehtivad esmajoones mehaanilistele sissepuhke- ja väljatõmbesüsteemidele ning hübriidventilatsiooni süsteemide mehaanilisele osale.

Standard ei hõlma elamute ventilatsiooni. Elamute ventilatsioonisüsteemide toimimist käsitletakse dokumendis CEN/TR 14788.

#### **EVS-EN 14411:2007**

##### **Keraamilised plaadid. Määratlused, liigitus, omadused ja märgistus 271.-**

Eesti standard on Euroopa standardi EN 14411:2006 "Ceramic tiles – Definitions, classification, characteristics and designation" identne tõlge eesti keelde.

Euroopa standardis määratletakse ja esitatakse terminid, nõuded ja märgistamise kriteeriumid esimesse kvaliteedikategooriasse kuuluvatele keraamilistele plaatidele, (mis on valmistatud märg- ja kuivpressimismenetlusele).

#### **EVS-EN 12004:2008**

##### **Plaatimissegud ja -liimid. Nõuded, vastavuse hindamine, klassifikatsioon ja määramine 178.-**

Eesti standard on Euroopa standardi EN 12004:2007 "Adhesives for tiles –

Requirements, evaluation of conformity, classification and designation" identne tõlge eesti keelde.

Euroopa standard käsitleb plaatimissegusid ja -liime, mida kasutatakse põrandate ja seinte katmisel keraamiliste plaatidega nii sise- kui ka välistingimustes. Standard esitab terminid keraamiliste plaatide paigaldamisel kasutatavate toodete, töömeetodite, kasutusomaduste jne kohta.

Standard spetsifitseerib keraamiliste plaatide paigaldamisel kasutatavate tsementmörtide, dispersioon- ja reaktsioonvaikliimide toimivusnõuete väärtused. Standard ei esita kriteeriume ega soovitusi keraamiliste plaatide kavandamiseks ja paigaldamiseks.

#### **EVS-EN 13119:2007**

##### **Rippfassaadid. Terminoloogia 276.-**

Eesti standard on Euroopa standardi EN 13119:2007 "Curtain walling – Terminology" ingliskeelse teksti identne tõlge eesti keelde.

Standard esitab terminoloogia, mida kasutatakse dokumentides, joonistel, spetsifikatsioonides jne rippfassaadi detailidele viidates ning tuuakse ära ulatuslik, kuigi mitte täielik tavakasutuse terminite nimekiri.

Standardi eesmärgiks ei ole korrata neid füüsilisi määratlusi, mis on ammendavalt esitatud toimivus-nõudeid ja vastavaid katsemeetodeid käsitlevates rippfassaadi standardites.

#### **EVS-EN 14783:2006**

##### **Plekist täielikult toetatavad katuse- ja seinakattelemendid. Spetsifikatsioon ja nõuded 188.-**

Eesti standard on Euroopa standardi EN 14783:2006 "Fully supported metal sheet and strip for roofing, external cladding and internal lining – Product specification and requirements" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määratleb terminid, nõuded ja katsemeetodid rullide, ribade ja lehtedena tarnitavale plekile ning tehases plekist valmistatud elementidele, mis on ette nähtud kasutamiseks täielikult toetatavates katuse- ja seinakatetes (sise- ja välisseina vooderdustes). Standard ei rakendu ehitusplatsil valmistatavatele toodetele.

## **EVS 894:2008**

### **Loomulik valgustus elu- ja bürooruumides 229.-**

Eesti standard on koostatud esmakordselt ning põhineb Briti standardikavandil prBS 8206-2 "Lighting for buildings – Part 2: Code of practice for daylighting", mis on tõlgitud eesti keelde ning täiendatud ja muudetud vastavalt Eesti vajadustele.

Standardis esitatakse soovitusel päevavalguse projekteerimiseks elu- ja büroohoonetes. Soovitusel on antud ka elektervalgustuse projekteerimiseks, kui seda kasutatakse koos päevavalgusega.

## **EVS-EN 60601-1-1:2002**

### **Elektrilised meditsiiniseadmed. Osa 1-1: Üldised ohutusnõuded.**

### **Kollateraalsandard: Ohutusnõuded elektrilistele meditsiinisüsteemidele 209.-**

Eesti standard on Euroopa standardi EN 60601-1-1:2001 "Medical electrical equipment Part 1-1: General requirements for safety Collateral standard: Safety requirements for medical electrical systems" ingliskeelse teksti identne tõlge eesti keelde.

Standard käsitleb alajaotise 2.201 kohaselt määratletud elektriliste meditsiinisüsteemide ohutust. Siin kirjeldatakse ohutusnõudeid, mis on vajalikud patsiendi, operaatori ja ümbruskonna kaitse tagamiseks.

## **CEN/TR 12101-5:2005**

### **Suitsu ja soojuse kontrollsüsteemid. Osa 5: Juhised ja arvutusmeetodid suitsu ja soojuse eemaldamise süsteemidele 315.-**

Väljaanne on CEN tehnilise aruande CEN/TR 12101-5:2005 "Smoke and heat control systems – Part 5: Guidelines on functional recommendations and calculation methods for smoke and heat exhaust ventilation systems" ingliskeelse teksti identne tõlge eesti keelde

Käesolev tehniline aruanne annab soovitusi ja juhiseid otstarbekuse ja arvutusmeetodite osas suitsu ja kuumade põlemisgaaside eemaldamise ventilatsiooni väljatõmbesissepuhke süsteemile arvutusliku tulekahju tingimustes. See on mõeldud kohaldamiseks erinevate hoone tüüpidele ja rakendustele, kaasa arvatud ühekorruselised ehitised, poolkorrused, alustel või riulites hoitavate kaupade laod, kaetud kaubandustänavad, aatriumid ja polüfunktsionaalsed hoonete kompleksid, parkimismajad, ajaviitekohad

ning avatud konstruktsiooniga õhuruumid mitmekorruselistes hoonetes.

## **EVS 902:2008**

### **Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001:2000 rakendamiseks haridusasutustes 188.-**

Standard on rahvusvahelise töörühma kokkuleppe IWA 2:2007 "Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001 rakendamiseks haridusasutustes" tõlge inglise keelest eesti keelde.

Standard annab juhised kvaliteedijuhtimissüsteemide rakendamiseks haridusasutustes. Standardis sisalduvad suunised ei muuda ega teisenda mingil viisil ISO 9001:2000 nõudeid ega lisa sinna midagi, samuti ei ole nad mõeldud kasutamiseks vastavushindamise lepingutes ega sertifitseerimiseks.

Lisas A on toodud haridusasutuste enesehindamise küsimustik. Lisas B on toodud haridusprotsesside, näitajate, tõendusdokumentide ja töövahendite näiteid.

## **EVS 903:2008**

### **Kvaliteedijuhtimissüsteemid. Juhised standardi ISO 9001:2000 rakendamiseks kohalikus omavalitsuses 243.-**

Standard on rahvusvahelise standardimisorganisatsiooni ISO töörühma kokkuleppe IWA 4:2005 "Quality management systems – Guidelines for the application of ISO 9001:2000 in local government" tõlge inglise keelest eesti keelde.

Standardi eesmärgiks on anda kohalikele omavalitsustele juhiseid terviklikel alustel ISO 9001:2000 vabatahtliku rakendamise tarvis. Need juhised ei lisa, muuda ega teisenda ISO 9001:2000 nõudeid.

## **EVS 875-10:2008**

### **Vara hindamine. Osa 10: Objekti ülevaatus ja andmete kogumine 209.-**

Standardiseeria EVS 875 käsitleb vara hindamist. Standardite kasutusala on vara hindamise ja hinnangute kasutamisega seotud tegevused, eelkõige laenu tagatiste ja finantsaruandlusega seotud tegevused. Standardite kasutajateks on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandlusega tegelevad spetsialistid (raamatupidajad, audiitorid), krediitiasutused, kõrgemad

õppeasutused. Standardite olemasolu loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui avaliku sektori vajadusi. Standard EVS 875-10 "Objekti ülevaatus ja andmete kogumine" käsitleb andmete kogumist hindamistoimingu käigus ja objekti ülevaatus kui selle ühte tähtsamat osa.

#### **EVS-EN 60728-1:2008**

##### **Televisiooni-, heli- ja multimeedia-signaalide kaabelvõrgud. Osa 1: Süsteemi pärisuuna-ahela näitajad 377.-**

Eesti standard on Euroopa standardi EN 60728-1:2008 "Cable networks for television signals, sound signals and interactive services – Part 1: System performance of forward paths" ingliskeelse teksti identne tõlge eesti keelde.

Standardi EVS-EN 60728 see osa on rakendatav igasuguse kaabelvõrgu (sealhulgas individuaalvastuvõtusüsteemide) puhul, millel on pärisuunaahelas koaksiaalväljund ja mis on mõeldud eelkõige televisiooni- ja raadiolevisignaalidele vahemikus ligikaudu 30 MHz kuni 3 000 MHz.

Standard sätestab koaksiaalväljundit omavate kaabelvõrkude tööarakteristikutete mõõtmise põhilised meetodid, eesmärgiga määrata nende süsteemide näitajad ja nende töö piirväärtused. Kõik nõuded kehtivad näitajate piirväärtustele peajaama või peajaamade sisendi(te) ja süsteemi mis tahes väljundi vahel olukorras, kus viimane on koormatud süsteemi nominaalkoormusega võrdse takistusega, kui ei ole nõutud teisiti. Kui süsteemis väljundpesasid ei kasutata, kehtib ülaltoodud nõue kliendiliini kliendipoolse otsa kohta.

#### **EVS 811:2006 (ingliskeelne)**

##### **Building design (Hoone ehitusprojekt) 229.-**

Standard 811:2006 "Building Design" on Eesti standardi EVS 811:2006 "Hoone ehitusprojekt" tõlge inglise keelde.

Standard käsitleb hoonete ja muude ehitiste arhitektuurilise ning tehnilise kavandamise (projekteerimise) käiku ja korraldust, samuti kavandatavat ehitist kirjeldavat tehnilist dokumentatsiooni. Standard ei käsitle ehitustööde tegemist ega sellega seotud dokumentatsiooni (välja arvatud teostusdokumentatsioon). Standard ei käsitle tootmis- tarbelise ehitise tehnoloogia projekteerimist. Eeldatud on, et tootmishoone projekteerijad saavad tellijalt igal staadiumil vajaliku detailsusega lähteandmed ruumide, keskkonna

ja tehnosüsteemide projekteerimiseks. Standard ei hõlma teede, elektriliinide ja muude eriehitiste projekteerimist.

#### **EVS-EN ISO 10077-1:2006**

##### **Akende, uste ja luukide soojustehniline toimivus. Soojusjuhtivuse arvutus. Osa 1: Üldosa 219.-**

Eesti standard on Euroopa standardi EN ISO 10077-1:2006 "Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 1: General" ingliskeelse teksti identne tõlge eesti keelde.

Standardi EN ISO 10077 see osa spetsifitseerib klaasingutest, pimepaneelidest ja raamidest koosnevate, luukidega või luukideta akende ja uste soojusjuhtivuse arvutamise meetodi.

#### **EVS-EN ISO 10077-2:2003**

##### **Akende, uste ja luukide soojustehniline toimivus. Soojusjuhtivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod 188.-**

Eesti standard on Euroopa standardi EN 10077-2:2003 "Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames (ISO 10077-2:2003)" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard spetsifitseerib arvutusmeetodi ja esitab lähteandmed raamiprofiilide soojusjuhtivuse ja raamide ning klaasingu või teiste täitepaneelide ühenduste pikkusepõhise soojusjuhtivuse arvutamiseks. Meetodit võib kasutada ka luukide soojustakistuse ja rulookarpide soojustehniliste omaduste hindamiseks. Standard esitab ka kriteeriumid arvutustes kasutatavate numbriliste meetodite hindamiseks. Standard ei hõlma päikesekiirguse, õhu läbilaskvusest põhjustatud soojusülekanne või kolme-mõõtmelise soojusülekanne (nt metallist punktlidete) mõju. Samuti ei käsitleta raamide ja ehituskonstruktsioonide vaheliste külmasildade mõju.

#### **EVS-EN 13947:2007**

##### **Rippfassaadide soojustehniline toimivus. Soojusjuhtivuse arvutamine 256.-**

Eesti standard on Euroopa standardi EN 13947:2006 "Thermal performance of curtain walling – Calculation of thermal transmittance" ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard spetsifitseerib raamidesse kinnitatud või raamidega ühendatud klaas-

ja/või pimepaneelidest koosnevate rippfassaadide soojusjuhtivuse arvutamise meetodi.

Arvutus hõlmab:

- erinevaid klaasingutüüpe, nt klaasist või plastmassist, ühe- või mitmekordseid, madala emissiooniteguriga pindega või pindeta, õhu või mõne muu gaasiga täidetud klaasidevahelise ruumiga klaasinguid;
- raame (mis tahes sobivast materjalist), külmatõketega või ilma;
- erinevaid pimepaneeli tüüpe, klaasist, metallist, keraamilisest või mõnest muust materjalist kattega.

Arvutused võtavad arvesse külmasildade mõju valtsides või klaasingu, raami ja paneelide ühendustes.

Arvutustes ei võeta arvesse järgmisi tegureid:

- päikesekiirguse mõju;
- õhuläbilaskvusest põhjustatud soojusülekanne;
- kondensaadi esinemist;
- varjestuse (ribakardinad, rulood jt) mõju;
- täiendavat soojusülekanne rippfassaadi nurkades ja servades;
- sidemeid kandekonstruktsiooniga ja nendes kasutatavaid tugielemente;
- sisseehitatud küttega rippfassaadisüsteeme.

#### **EVS-EN ISO 13485:2004**

##### **Meditsiiniseadmed.**

##### **Kvaliteedijuhtimissüsteem. Normatiivsed nõuded 271.-**

Eesti standard on Euroopa standardi EN ISO 13485:2003 "Medical devices – Quality management systems – Requirements for regulatory purposes" + AC:2007 ingliskeelse teksti identne tõlge eesti keelde.

Standard täpsustab kvaliteedijuhtimissüsteemi nõudeid, kus organisatsioon peab näitama oma suutlikkust pakkuda meditsiiniseadmeid ja seotud teenuseid, mis vastavad järjekindlalt kliendi nõuetele, ja normatiivsetele nõuetele, mida rakendatakse meditsiiniseadmetele ja seotud teenustele.

Standardi esmane eesmärk on lihtsustada meditsiiniseadmete kvaliteedijuhtimissüsteemide ühtlustatud normatiivseid nõudeid. Selle tulemusena sisaldab see mõnda konkreetset meditsiiniseadmete kohta käivat normatiivset nõuet ja jätab välja mõned normatiivseteks nõueteks mittesobivad standardi ISO 9001 nõuded. Nende väljajätmiste tõttu ei saa organisatsioonid, kelle kvaliteedijuhtimissüsteem on vastavuses selle standardiga, taotleda vastavust standardiga ISO 9001, kuni nende kvaliteedijuhtimissüsteem on vastavuses kõigi standardi ISO 9001 nõuetega.

#### **EVS-EN ISO 9001:2008**

##### **Kvaliteedijuhtimissüsteemid. Nõuded 376.-**

Eesti standard on Euroopa standardi EN ISO 9001:2008 "Quality management systems – Requirements" ingliskeelse teksti identne tõlge eesti keelde.

Standard spetsifitseerib nõuded kvaliteedijuhtimissüsteemile juhuks, kui organisatsioon a) peab demonstreerima oma suutlikkust pakkuda järjekindlalt tooteid, mis vastavad kliendi ning kohaldatavatele seadusjärgsetele ja normatiivsetele nõuetele, ning b) püüab suurendada kliendi rahulolu süsteemi mõjusa rakendamise, sh süsteemi pideva parendamise protsesside ja kliendi ning kohaldatavatele seadusjärgsetele ja normatiivsetele nõuetele vastavuse tagamise teel.

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