

**10/2010**

Ilmub üks kord kuus alates 1993. aastast

# **EVS TEATAJA**

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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## **EVS/TK 10 „Kiirabi ja päästevahendid“ lõpetas tegevuse**

Standardimise tehnilise komitee EVS/TK 10 tegevus on lõpetatud alates **20. septembrist 2010** seoses aktiivse tegevuse puudumisega viimase 5 aasta jooksul, pooleliolevate standardiprojektide puudumisega ja kooskõlas tehnilise komitee ettepanekuga.

## **HARMONEERITUD STANDARDID**

*Tehnilise normi ja standardi seaduse* kohaselt avaldab Eesti Standardikeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtvate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EÜ direktiivide kontekstis ja tehnilise normi ja standardi seaduse mõistes Euroopa Komisjoni mandaadi alusel Euroopa standardimisorganisatsioonide poolt koostatud ja vastu võetud standardit.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate direktiivide mõistes, et standardi kohaselt valmistatud toode täidab direktiivi olulisi nõudeid ning on seetõttu reeglina kõige lihtsam viis tõendada direktiivide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga direktiivi tekstist eraldi ning võib direktiivist olenevalt erineda.

Lisainfo:

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

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

Eesti Standardikeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtvate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate direktiivide kaupa.

# HARMONEERITUD STANDARDEID ÜLEVÕTVAD EESTI STANDARDID

## Direktiiv 93/42/EMÜ Meditsiiniseadmed (EL Teataja 2010/C 183/03)

| Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri  | Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas | Viide asendatavale Eesti standardile | Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1 |
|--|--|--------------------------------------|--|
| EVS-EN 455-2:2009<br>Ühekordselt kasutatavad meditsiinilised kindad. Osa 2: Nõuded füüsilistele omadustele ja katsetamine / <i>Medical gloves for single use - Part 2: Requirements and testing for physical properties</i>  | 07.07.2010   | EVS-EN 455-2:2001<br>Märkus 2.1      | Kehtivuse lõppkuupäev (31.05.2010)   |
| EVS-EN 455-4:2009<br>Ühekordselt kasutatavad meditsiinilised kindad. Osa 4: Säilivusaja määramise nõuded ja testimine / <i>Medical gloves for single use - Part 4: Requirements and testing for shelf life determination</i>   | 07.07.2010   |                                      |  |
| EVS-EN 794-3:1999+A2:2009<br>Kopsuventilaatorid. Osa 3: Erinõuded kiirabi- ja transportventilaatoritele KONSOLIDEERITUD TEKST / <i>Lung ventilators - Part 3: Particular requirements for emergency and transport ventilators CONSOLIDATED TEXT</i>  | 07.07.2010   | EVS-EN 794-3:1999                    | Kehtivuse lõppkuupäev (21.03.2010)   |
| EVS-EN 1060-1:1995+A2:2009<br>Mitteinvasiivsed sfügmomanomeetrid. Osa 1: Üldnõuded KONSOLIDEERITUD TEKST / <i>Non-invasive sphygmomanometers - Part 1: General requirements CONSOLIDATED TEXT</i>  | 07.07.2010   |                                      |  |
| EVS-EN 1060-2:1995+A1:2009<br>Mitteinvasiivsed sfügmomanomeetrid. Osa 2: Lisanõuded mehaanilistele sfügmomanomeetritele KONSOLIDEERITUD TEKST / <i>Non-invasive sphygmomanometers - Part 2: Supplementary requirements for mechanical sphygmomanometers CONSOLIDATED TEXT</i>                                      | 07.07.2010   | EVS-EN 1060-2:1999<br>Märkus 2.1     | Kehtivuse lõppkuupäev (31.05.2010)   |
| EVS-EN 1060-3:1997+A2:2009<br>Mitteinvasiivsed sfügmomanomeetrid. Osa 3: Lisanõuded elektromehaanilistele vererõhu mõõtesüsteemidele. KONSOLIDEERITUD TEKST / <i>Non-invasive sphygmomanometers - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems CONSOLIDATED TEXT</i> | 07.07.2010   | EVS-EN 1060-3:1999<br>Märkus 2.1     | Kehtivuse lõppkuupäev (31.05.2010)   |
| EVS-EN 1282-2:2005+A1:2009<br>Trahheostoomikanüülid. Osa 2: Pediaatrilised kanüülid KONSOLIDEERITUD TEKST<br>Tracheostomy tubes - Part 2: Paediatric tubes<br>CONSOLIDATED TEXT  | 07.07.2010   | EVS-EN 1282-2:2005<br>Märkus 2.1     | Kehtivuse lõppkuupäev (21.03.2010)   |

|  |            |                                      |                                    |
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| EVS-EN 1639:2009<br>Stomatoloogia. Meditsiinivahendid stomatoloogias.<br>Instrumendid / <i>Dentistry - Medical devices for dentistry - Instruments</i>   | 07.07.2010 | EVS-EN 1639:2004<br>Märkus 2.1       | Kehtivuse lõppkuupäev (30.04.2010) |
| EVS-EN 1640:2009<br>Stomatoloogia. Meditsiinivahendid stomatoloogias.<br>Aparatuur / <i>Dentistry - Medical devices for dentistry - Equipment</i>  | 07.07.2010 | EVS-EN 1640:2004<br>Märkus 2.1       | Kehtivuse lõppkuupäev (30.04.2010) |
| EVS-EN 1641:2009<br>Stomatoloogia. Meditsiinivahendid stomatoloogias.<br>Materjalid / <i>Dentistry - Medical devices for dentistry - Materials</i>   | 07.07.2010 | EVS-EN 1641:2004<br>Märkus 2.1       | Kehtivuse lõppkuupäev (30.04.2010) |
| EVS-EN 1642:2009<br>Stomatoloogia. Meditsiinivahendid stomatoloogias.<br>Hambaimplantaadid / <i>Dentistry - Medical devices for dentistry - Dental implants</i>  | 07.07.2010 | EVS-EN 1642:2004<br>Märkus 2.1       | Kehtivuse lõppkuupäev (30.04.2010) |
| EVS-EN 1782:1999+A1:2009<br>Intubatsioonitorud ja -liitmikud<br>KONSOLIDEERITUD TEKST / <i>Tracheal tubes and connectors CONSOLIDATED TEXT</i>   | 07.07.2010 | EVS-EN 1782:1999<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 1820:2005+A1:2009<br>Anesteetikumikotid KONSOLIDEERITUD TEKST / <i>Anaesthetic reservoir bags CONSOLIDATED TEXT</i>   | 07.07.2010 | EVS-EN 1820:2005<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 7396-1:2007/A1:2010<br>Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Amendment 1: Requirements for terminal units for vacuum fitted on medical supply units with operator-adjustable portions and connected to the pipeline through flexible hoses / <i>Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum - Amendment 1: Requirements for terminal units for vacuum fitted on medical supply units with operator-adjustable portions and connected to the pipeline through flexible hoses</i> | 07.07.2010 | Märkus 3                             | 31.07.2010                         |
| EVS-EN ISO 7396-1:2007/A2:2010   | 07.07.2010 | Märkus 3                             | 31.08.2010                         |
| EVS-EN ISO 7886-3:2009<br>Steriilsed nahaalusteks süsteteks ettenähtud ühekordselt kasutatavad süstlad. Osa 3: Fikseeritud doosiga immuniseerimiseks mõeldud automaatselt kasutuskõlbmatuks muutuvad süstlad / <i>Sterile hypodermic syringes for single use - Part 3: Auto-disable syringes for fixed-dose immunization</i>   | 07.07.2010 | EVS-EN ISO 7886-3:2005<br>Märkus 2.1 | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 7886-4:2009<br>Steriilsed nahaalusteks süsteteks ettenähtud ühekordselt kasutatavad süstlad. Osa 4: Korduskasutuse välistatusega süstlad / <i>Sterile hypodermic syringes for single use - Part 4: Syringes with re-use prevention feature</i>  | 07.07.2010 | EVS-EN ISO 7886-4:2006<br>Märkus 2.1 | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 10993-7:2008/AC:2009<br>Meditsiiniseadmete bioloogiline hindamine. Osa 7: Jäägid etüleenoksiidiga steriliseerimisest / <i>Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - Technical Corrigendum 1</i>   | 07.07.2010 |                                      |                                    |

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| EVS-EN ISO 10993-16:2010<br>Meditsiiniseadmete bioloogiline hindamine. Osa 16: Mittetäisväärtuslike saaduste ja uhtainete jaoks mõeldud toksikokineetilise uuringu ülesehitus / <i>Biological evaluation of medical devices - Part 16: Toxicokinetic study design for degradation products and leachables</i>  | 07.07.2010 | EVS-EN ISO 10993-16:2009<br>Märkus 2.1 | 31.08.2010                         |
| EVS-EN ISO 11607-1:2009<br>Terminaalselt steriliseeritud meditsiiniseadmete pakendid. Osa 1: Nõuded materjalile, steriilsele kaitse- ja pakendamismeetoditele / <i>Packaging for terminally sterilized medical devices - Part 1: Requirements for materials, sterile barrier systems and packaging systems</i>   | 02.12.2009 | EVS-EN ISO 11607-1:2006                | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 11737-1:2006/AC:2009<br>Meditsiiniseadmete steriliseerimine. Mikrobioloogilised meetodid. Osa 1: Mikroobse populatsiooni määramine tootel / <i>Sterilization of medical devices - Microbiological methods - Part 1: Determination of a population of microorganisms on products</i>   | 02.12.2009 |  |                                    |
| EVS-EN ISO 11737-2:2010<br>Meditsiiniseadmete steriliseerimine. Mikrobioloogilised meetodid. Osa 2: Steriilsuskatsed steriliseerimisprotsessi määratlemisel, valideerimisel ja rakendamisel / <i>Sterilization of medical devices - Microbiological methods - Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process</i>  | 07.07.2010 |  |                                    |
| EVS-EN ISO 11810-1:2009<br>Laserid ja laserseadmed. Katsemeetod ja klassifikatsioon kirurgiliste linade ja/või patsientide katete laserikindluse määramiseks. Osa 1: Esmase süttimine ja läbitungimine (ISO 11810-1:2005) / <i>Lasers and laser-related equipment - Test method and classification for the laser resistance of surgical drapes and/or patient protective covers - Part 1: Primary ignition and penetration</i> | 02.12.2009 |  |                                    |
| EVS-EN ISO 11810-2:2009<br>Laserid ja laseritega seotud seadmestik. Laseriga kasutamiseks sobivad kirurgilised eesriided ja/või patsiendi kaitsekatted. Osa 2: Teisene süttimine / <i>Lasers and laser-related equipment - Test method and classification for the laser-resistance of surgical drapes and/or patient-protective covers - Part 2: Secondary ignition</i>  | 02.12.2009 | EVS-EN ISO 11810-2:2007<br>Märkus 2.1  | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 11979-8:2009<br>Oftalmilised implantaadid. Intraokulaarsed läätsed. Osa 8: Põhinõuded / <i>Ophthalmic implants - Intraocular lenses - Part 8: Fundamental requirements</i>  | 02.12.2009 | EVS-EN ISO 11979-8:2006<br>Märkus 2.1  | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 12006-2:1999+A1:2009<br>Mitteaktiivsed kirurgilised implantaadid. Erinõuded südame- ja soonteimplantaatidele. Osa 2: Soonteproteesid, k.a südameklapi suistikud<br>KONSOLIDEERITUD TEKST / <i>Non active surgical implants - Particular requirements for cardiac and vascular implants - Part 2: Vascular prostheses including cardiac valve conduits. CONSOLIDATED TEXT</i>  | 02.12.2009 | EVS-EN 12006-2:1999<br>Märkus 2.1      | Kehtivuse lõppkuupäev (21.03.2010) |

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| EVS-EN 12006-3:1999+A1:2009<br>Mitteaktiivsed kirurgilised implantaadid. Erinõuded südame- ja soonteimplantaatidele. Osa 3: Soonesisesed vahendid KONSOLIDEERITUD TEKST / <i>Non active surgical implants - Particular requirements for cardiac and vascular implants - Part 3: Endovascular devices CONSOLIDATED TEXT</i>   | 02.12.2009 | EVS-EN 12006-3:1999<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 12183:2009<br>Manuaalsed ratastoolid. Nõuded ja katsemeetodid / <i>Manual wheelchairs - Requirements and test methods</i>   | 07.07.2010 |   |                                    |
| EVS-EN 12184:2009<br>Elektri jõul töötavad ratastoolid, motorollerid ja nende laadijad. Nõuded ja katsemeetodid / <i>Electrically powered wheelchairs, scooters and their chargers - Requirements and test methods</i>   | 07.07.2010 |   |                                    |
| EVS-EN 12342:1999+A1:2009<br>Hingamistorud, mis on ette nähtud kasutamiseks koos anesteesiaaparaatidega ja ventilaatoritega KONSOLIDEERITUD TEKST / <i>Breathing tubes intended for use with anaesthetic apparatus and ventilators CONSOLIDATED TEXT</i>   | 07.07.2010 | EVS-EN 12342:1999<br>Märkus 2.1         | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 13060:2004+A2:2010<br>Väikesemahulised aurusterilisaatorid / <i>Small steam sterilizers</i>   | 07.07.2010 | EVS-EN 13060:2004+A1:2009<br>Märkus 2.1 | 30.09.2010                         |
| EVS-EN ISO 13485:2004/AC:2009<br>Meditsiiniseadmed. Kvaliteedijuhtimissüsteem. Normatiivsed nõuded / <i>Medical devices - Quality management systems - Requirements for regulatory purposes</i>  | 07.07.2010 |   |                                    |
| EVS-EN 13544-1:2007+A1:2009<br>Respiratoorse teraapia seadmed. Osa 1: Pihustussüsteemid ja nende komponendid KONSOLIDEERITUD TEKST / <i>Respiratory therapy equipment - Part 1: Nebulizing systems and their components CONSOLIDATED TEXT</i>  | 07.07.2010 | EVS-EN 13544-1:2007<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 13544-2:2002+A1:2010<br>Respiratoorse teraapia seadmed. Osa 2: Torustik ja toruliitmikud / <i>Respiratory therapy equipment - Part 2: Tubing and connectors</i>   | 07.07.2010 | EVS-EN 13544-2:2002<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 13544-3:2002+A1:2009<br>Respiratoorse teraapia seadmed. Osa 3: Õhuärakande seadmed KONSOLIDEERITUD TEKST / <i>Respiratory therapy equipment - Part 3: Air entrainment devices CONSOLIDATED TEXT</i>   | 07.07.2010 | EVS-EN 13544-3:2002<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 13795-1:2002+A1:2009<br>Kirurgilised linad, kitlid ja kaitseülkonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Osa 1. Üldnõuded tootjatele, töötajatele ja toodetele KONSOLIDEERITUD TEKST / <i>Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical stuff and equipment - Part 1: General requirements for manufacturers, processors and products CONSOLIDATED TEXT</i> | 07.07.2010 | EVS-EN 13795-1:2002<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |

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| EVS-EN 13795-2:2005+A1:2009<br>Kirurgilised linad, kitlid ja kaitseülikonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Osa 2: Katsemeetodid KONSOLIDEERITUD TEKST / <i>Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment - Part 2: Test methods CONSOLIDATED TEXT</i>   | 07.07.2010 | EVS-EN 13795-2:2005<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 13795-3:2006+A1:2009<br>Kirurgilised linad, kitlid ja kaitseülikonnad, mida kasutatakse meditsiiniliste seadmetena patsientide ja seadmete puhul ning kliinilise personali poolt. Osa 3: Toimimisnõuded ja -tasemed KONSOLIDEERITUD TEKST / <i>Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment - Part 3: Performance requirements and performance levels CONSOLIDATED TEXT</i> | 07.07.2010 | EVS-EN 13795-3:2006<br>Märkus 2.1       | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 14155-1:2009<br>Meditsiinitehnika inimeste terviseuuringuteks. Osa 1: Üldnõuded / <i>Clinical investigation of medical devices for human subjects -Part 1: General requirements</i>   | 07.07.2010 | EVS-EN ISO 14155-1:2003<br>Märkus 2.1   | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 14155-2:2009<br>Meditsiinitehnika inimeste terviseuuringuteks. Osa 2: Kliiniliste uuringute planeerimine / <i>Clinical investigation of medical devices for human subjects - Part 2: Clinical investigation plans</i>   | 07.07.2010 | EVS-EN ISO 14155-2:2003<br>Märkus 2.1   | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN 14180:2003+A2:2009<br>Meditsiinilised steriliseerijad. Madaltemperatuuriga auru ja formaldehüüdi kasutavad steriliseerijad. Nõuded ja katsetamine KONSOLIDEERITUD TEKST / <i>Sterilizers for medical purposes - Low temperature steam and formaldehyde sterilizers - Requirements and testing CONSOLIDATED TEXT</i>   | 07.07.2010 | EVS-EN 14180:2003+A1:2009<br>Märkus 2.1 | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 14937:2009<br>Tervishoiutoodete steriliseerimine. Üldnõuded steriliseerimisaine iseloomustusele ja meditsiiniseadmete steriliseerimisprotsessi väljatöötamisele, valideerimisele ja tavakontrollile / <i>Sterilization of health care products - General requirements for characterization of a sterilizing agent and the development, validation and routine control of a sterilization process for medical devices</i>                  | 07.07.2010 | EVS-EN ISO 14937:2001<br>Märkus 2.1     | Kehtivuse lõppkuupäev (30.04.2010) |
| EVS-EN ISO 14971:2009<br>Meditsiinvahendid. Riskijuhtimise rakendamine meditsiinvahenditele / <i>Medical devices - Application of risk management to medical devices</i>   | 07.07.2010 | EVS-EN ISO 14971:2007<br>Märkus 2.1     | Kehtivuse lõppkuupäev (21.03.2010) |
| EVS-EN ISO 15798:2010<br>Oftalmilised implantaadid. Oftalmilised visko-kirurgilised seadmed / <i>Ophthalmic implants - Ophthalmic viscosurgical devices</i>  | 07.07.2010 |   |                                    |
| EVS-EN ISO 16061:2010<br>Instrumendid kasutamiseks mitteaktiivsete kirurgiliste implantaatidega. Üldnõuded / <i>Instrumentation for use in association with non-active surgical implants - General requirements</i>  | 07.07.2010 | EVS-EN ISO 16061:2009<br>Märkus 2.1     | Kehtivuse lõppkuupäev (28.02.2010) |
| EVS-EN ISO 21649:2009<br>Nõelata süsteseaded meditsiiniliseks kasutamiseks. Nõuded ja katsemeetodid / <i>Needle-free injectors for medical use - Requirements and test methods</i>   | 07.07.2010 | EVS-EN ISO 21649:2006<br>Märkus 2.1     | Kehtivuse lõppkuupäev (21.03.2010) |



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| EVS-EN ISO 21969:2009<br>Paindliitmikud kõrgsurve meditsiinigaasi süsteemidele<br><i>/ High-pressure flexible connections for use with medical gas systems</i>   | 07.07.2010 | EVS-EN ISO 21969:2006<br>Märkus 2.1                    | Kehtivuse lõppkuupäev (31.05.2010) |
| EVS-EN ISO 21987:2009<br>Oftalmiline optika. Paigaldatud prilliklaasid /<br><i>Ophthalmic optics - Mounted spectacle lenses</i>  | 07.07.2010 |  |                                    |
| EVS-EN ISO 26782:2009<br>Anesteesia- ja hingamisseadmed. Spiromeetrid forsseeritud ekspiratoorsete mahtude mõõtmiseks inimestel /<br><i>Anaesthetic and respiratory equipment - Spirometers intended for the measurement of time forced expired volumes in humans</i>  | 07.07.2010 |  |                                    |
| EVS-EN ISO 26782:2009/AC:2009  | 07.07.2010 |  |                                    |
| EVS-EN 60601-2-2:2009<br>Elektrilised meditsiiniseadmed. Osa 2-2: Erinõuded kõrgsageduse kirurgiliste instrumentide ja kõrgsageduse kirurgiliste lisaseadmete esmasele ohutusele ja olulistele toimimisinäitajatele /<br><i>Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories</i> | 07.07.2010 | EVS-EN 60601-2-2:2007<br>Märkus 2.1                    | 01.04.2012                         |
| EVS-EN 60601-2-19:2009<br>Elektrilised meditsiiniseadmed. Osa 2-19: Erinõuded imikuinkubaatorite esmasele ohutusele ja olulistele toimimisinäitajatele /<br><i>Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators</i>   | 07.07.2010 | EVS-EN 60601-2-19:2001<br>Märkus 2.1                   | 01.04.2012                         |
| EVS-EN 60601-2-21:2009<br>Elektrilised meditsiiniseadmed. Osa 2-21: Erinõuded väikelaste kiirgussoojendajate esmasele ohutusele ja olulistele toimimisinäitajatele /<br><i>Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers</i>  | 07.07.2010 | EVS-EN 60601-2-21:2001<br>Märkus 2.1                   | 01.04.2012                         |
| EVS-EN 60601-2-44:2009<br>Elektrilised meditsiiniseadmed. Osa 2-44: Erinõuded röntgenkompuutertomograafide esmasele ohutusele ja olulistele toimimisinäitajatele /<br><i>Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography</i>   | 07.07.2010 | EVS-EN 60601-2-44:2002 ja selle muudatus<br>Märkus 2.1 | 01.05.2012                         |
| EVS-EN 60601-2-50:2009<br>Elektrilised meditsiiniseadmed. Osa 2-50: Erinõuded väikelaste füsioteraapiaseadmetiku esmasele ohutusele ja olulistele toimimisinäitajatele /<br><i>Medical electrical equipment -- Part 2-50: Particular requirements for basic safety and essential performance of infant phototherapy equipment</i>  | 07.07.2010 | EVS-EN 60601-2-50:2003<br>Märkus 2.1                   | 01.05.2012                         |
| EVS-EN 61676:2003/A1:2009<br>Elektrilised meditsiiniseadmed. Dosimeetrilised instrumendid röntgenitoru pinge mitteinvasiivseks mõõtmiseks diagnostilises radioloogias /<br><i>Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology</i>  | 07.07.2010 | Märkus 3   | 01.03.2012                         |

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| EVS-EN 80601-2-58:2009<br>Elektrilised meditsiiniseadmed. Osa 2-58: Erinõuded silmakirurgias läätsede eemaldamisel ja vitrektoomias kasutatavate seadmete esmasele ohutusele ja olulistele toimimishäirete / <i>Medical electrical equipment -- Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery</i> | 07.07.2010 |  |  |
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#### Märkus 1

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

#### Märkus 2.1

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

#### Märkus 3

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

### Direktiiv 88/378/EMÜ Mänguasjad

(EL Teataja 2010/C 216/01)

| <b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>   | <b>Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas</b> | <b>Viide asendatavale Eesti standardile</b> | <b>Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1</b> |
|--|---|---|---|
| EVS-EN 71-1:2005+A9:2009<br>Mänguasjade ohutus. Osa 1: Mehaanilised ja füüsilised omadused KONSOLIDEERITUD TEKST / <i>Safety of toys - Part 1: Mechanical and physical properties CONSOLIDATED TEXT</i>      | 10.08.2010  | EVS-EN 71-1:2005+A8:2009<br>Märkus 2.1      | Kehtivuse lõppkuupäev (31.01.2010)  |
| EVS-EN 71-4:2009<br>Mänguasjade ohutus. Osa 4: Katsekomplektid keemiakatseteks ja samalaadseks tegevuseks / <i>Safety of toys - Part 4: Experimental sets for chemistry and related activities</i>           | 10.08.2010  | EVS-EN 71-4:1999<br>Märkus 2.1              | Kehtivuse lõppkuupäev (28.02.2010)  |
| EVS-EN 71-5:1999/A2:2009<br>Mänguasjade ohutus. Osa 5: Keemilised mänguasjad (komplektid), välja arvatud katsekomplektid / <i>Safety of toys - Part 5: Chemical toys (sets) other than experimental sets</i> | 10.08.2010  | Märkus 3                                    | Kehtivuse lõppkuupäev (31.01.2010)  |

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| EVS-EN 71-8:2003+A4:2009<br>Mänguasjade ohutus. Osa 8: Kiiged, liumäed ja teised sarnased mänguasjad sise- ja välitingimustes perekondlikuks koduseks kasutamiseks<br>KONSOLIDEERITUD TEKST / <i>Safety of toys - Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use CONSOLIDATED TEXT</i> | 10.08.2010 | EN 71-8:2003<br>Märkus 2.1 | Kehtivuse lõppkuupäev (28.02.2010) |
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#### Märkus 1

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

#### Märkus 2.1

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

### Direktiiv 1999/5/EÜ Raadioseadmed ja telekommunikatsioonivõrgu lõppseadmed (EL Teataja 2010/C 216/02)

| <b>Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri</b>  | <b>Kuupäev, millal Eesti standardi aluseks oleva Euroopa standardi kohta on avaldatud viide EL Teatajas</b> | <b>Viide asendatavale Eesti standardile</b> | <b>Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse Märkus 1</b> | <b>Direktiivi 1999/5/EÜ artikkel</b>                            |
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| EVS-EN 41003:2009<br>Erinõuded telekommunikatsioonivõrku ja/või kaabeljaotussüsteemi ühendatavate seadmete ohutusele / <i>Particular safety requirements for equipment to be connected to telecommunication networks and/or a cable distribution system</i> | 10.08.2010  | EVS-EN 41003:2001<br>Märkus 2.1             | 01.07.2011  | Artikli 3 lõike 1 punkt a (ja direktiivi 2006/95/EÜ artikkel 2) |
| EVS-EN 60065:2002/A11:2008<br>Audio-, video- jms elektriseadmed. Ohutusnõuded / <i>Audio, video and similar electronic apparatus - Safety requirements</i>  | 10.08.2010  | Märkus 3                                    | Kehtivuse lõppkuupäev (01.07.2010)  |   |
| EVS-EN 60950-1:2006/A11:2009<br>Infotehnikaseadmed. Ohutus. Osa 1: Üldnõuded / <i>Information technology equipment - Safety - Part 1: General requirements</i>  | 10.08.2010  | Märkus 3                                    | 01.12.2010  |   |

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| EVS-EN 61000-3-2:2006/A1:2009<br>Elektromagnetiline ühilduvus. Osa 3-2:<br>Piirväärtused. Vooluharmonooniliste emissiooni<br>lubatavad piirid (seadmetel sisendvooluga<br>kuni 16 A faasi kohta) / <i>Electromagnetic<br/>compatibility (EMC) -- Part 3-2: Limits -<br/>Limits for harmonic current emissions<br/>(equipment input current <math>\leq 16</math> A per phase)</i>  | 10.08.2010 | Märkus 3   | 01.07.2012 |                      |
| EVS-EN 61000-3-2:2006/A2:2009   | 10.08.2010 | Märkus 3   | 01.07.2012 |                      |
| EVS-EN 300 065-2 V1.2.1:2009<br>Elektromagnetilise ühilduvuse ja<br>raadiospektri küsimused (ERM); Kitsaribalise<br>tähttrükkimise telegraafseadmed<br>meteoroloogialase või navigatsioonialase<br>informatsiooni vastuvõtmiseks (NAVTEX);<br>Osa 2: Harmoneeritud EN R&TTE direktiivi<br>artikli 3.2 põhinõuete alusel / <i>Electromagnetic<br/>compatibility and Radio spectrum Matters<br/>(ERM); Narrow-band direct-printing<br/>telegraph equipment for receiving<br/>meteorological or navigational information<br/>(NAVTEX); Part 2: Harmonized EN covering<br/>the essential requirements of article 3.2 of the<br/>R&amp;TTE directive</i>   | 10.08.2010 | EVS-EN<br>300 065-2<br>V1.1.1:2002<br>Märkus 2.1 | 30.04.2011 | Artikli 3<br>lõige 2 |
| EVS-EN 300 113-2 V1.4.2:2010<br>Elektromagnetilise ühilduvuse ja<br>raadiospektri küsimused (ERM); Liikuv<br>maaside; Antenniühendusega pidevat või<br>vahelduvat mähisjoone modulatsiooni<br>kasutavad raadioseadmed andme- ja/või<br>kõneedastuseks; Osa 2: Harmoneeritud EN<br>R&TTE direktiivi artikli 3 lõike 2 põhinõuete<br>alusel / <i>Electromagnetic compatibility and<br/>Radio spectrum Matters (ERM); Land mobile<br/>service; Radio equipment intended for the<br/>transmission of data (and/or speech) using<br/>constant or non-constant envelope<br/>modulation and having an antenna<br/>connector; Part 2: Harmonized EN covering<br/>essential requirements of article 3.2 of the<br/>R&amp;TTE Directive</i> | 10.08.2010 | EVS-EN<br>300 113-2<br>V1.4.1:2007<br>Märkus 2.1 | 31.08.2011 | Artikli 3<br>lõige 2 |
| EVS-EN 300 220-2 V2.3.1:2010<br>Elektromagnetilise ühilduvuse ja<br>raadiospektri küsimused (ERM);<br>Lähitoimeseadmed (SRD);<br>Raadiosagedusvahemikus 25 MHz kuni 1 000<br>MHz kasutamiseks mõeldud<br>võimsustasemetega kuni 500 mW<br>raadioseadmed; Osa 2: Harmoneeritud EN<br>R&TTE direktiivi artikli 3.2 põhinõuete<br>alusel / <i>Electromagnetic compatibility and<br/>Radio spectrum Matters (ERM); Short Range<br/>Devices (SRD); Radio equipment to be used in<br/>the 25 MHz to 1 000 MHz frequency range<br/>with power levels ranging up to 500 mW; Part<br/>2: Harmonized EN covering essential<br/>requirements under article 3.2 of the R&amp;TTE<br/>Directive</i>  | 10.08.2010 | EVS-EN<br>300 220-2<br>V2.1.2:2007<br>Märkus 2.1 | 31.05.2013 | Artikli 3<br>lõige 2 |

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| <p>EVS-EN 300 330-2 V1.5.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Lähitoimeseadmed (SRD);Raadiosagedusalas 9 kHz kuni 25 MHz töötavad raadioseadmed ja sagedusalas 9 kHz kuni 30 MHz töötavad induktiivseadmed;Osa 2:Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Short Range Devices (SRD);Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz;Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> | <p>EVS-EN 300 330-2 V1.3.1: 2006<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 300 373-2 V1.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);MF ja HF raadiosagedusalas kasutatavad liikuva mereside raadiosaatjad ja -vastuvõtjad;Osa 2:Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhiolemuse alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Maritime mobile transmitters and receivers for use in the MF and HF bands;Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&amp;TTE Directive</i></p>  | <p>10.08.2010</p> | <p>EVS-EN 300 373-2 V1.1.1: 2004<br/> Märkus 2.1</p> | <p>30.09.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 300 373-3 V1.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);MF ja HF raadiosagedusalas kasutatavad liikuva mereside raadiosaatjad ja -vastuvõtjad;Osa 3:Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 3 punkti e põhiolemuse alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Maritime mobile transmitters and receivers for use in the MF and HF bands;Part 3: Harmonized EN covering essential requirements under article 3.3(e) of the R&amp;TTE Directive;Equipment with integrated or associated equipment for Class E Digital Selective Calling (DSC)</i></p>            | <p>10.08.2010</p> | <p>EVS-EN 300 373-3 V1.1.1: 2004<br/> Märkus 2.1</p> | <p>30.09.2010</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 300 698-2 V1.2.1:2009<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Siseveekogudel kasutatavad VHF raadiosagedusalas töötavate liikuva mereside raadiotelefonide saatjad ja vastuvõtjad; Osa 2: Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhiolemuse alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>                                 | <p>10.08.2010</p> | <p>EVS-EN 300 698-2 V1.1.1: 2002<br/> Märkus 2.1</p> | <p>31.08.2010</p> | <p>Artikli 3 lõige 2</p> |

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| <p>EVS-EN 300 698-3 V1.2.1:2009<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Siseveekogudel kasutatavad VHF raadiosagedusalas töötavate liikuva mereside raadiotelefonide saatjad ja vastuvõtjad; Osa 3: Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 punkti e põhioüete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways; Part 3: Harmonized EN covering essential requirements of article 3.3 (e) of the R&amp;TTE Directive</i></p>   | <p>10.08.2010</p> | <p>EVS-EN 300 698-3 V1.1.1:2002<br/> Märkus 2.1</p> | <p>31.08.2010</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 166-2 V1.2.3:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Liikuv maaside; Antenni ühendusega kitsaribalisel kanalil töötavad analoog- ja/või digitaalide (kõne ja /või andmeedastus) raadioseadmed; Osa 2: Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhioüete alusel / <i>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 2: Harmonized EN covering essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>                  | <p>10.08.2010</p> | <p>EVS-EN 301 166-2 V1.2.2:2008<br/> Märkus 2.1</p> | <p>31.08.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 839-2 V1.3.1:2009<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed; Raadiosagedusalas 402 MHz kuni 405 MHz töötavad väga väikese võimsusega aktiivsed meditsiinilised implantaadid (ULP-AMI) ja nende lisatarvikud (ULP-AMI-P); Osa 2: Harmoneeritud EN R&amp;TTE direktiivi artikli 3.2 põhioüete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> | <p>EVS-EN 301 839-2 V1.2.1:2007<br/> Märkus 2.1</p> | <p>30.06.2011</p> | <p>Artikli 3 lõige 2</p> |

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| <p>EVS-EN 301 908-1 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS),repiiterid ja kasutajaseadmed (UE);Osa 1:IMT-2000,sissejuhatus ja üldised nõuded,harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhiohuet alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks;Part 1: Harmonized EN for IMT-2000, introduction and common requirements, covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>   | <p>10.08.2010</p> | <p>EVS-EN 301 908-1 V3.2.1:2007<br/> Märkus 2.1</p>  | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-11 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 11: IMT-2000, CDMA otsese hajutamise (UTRA FDD ja E-UTRA FDD) repiiterite harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhiohuet alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks;Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (Repeaters) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> | <p>EVS-EN 301 908-11 V3.2.1:2007<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-12 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 12: IMT-2000, mitme kandjaga CDMA (cdma2000) repiiterite põhiohuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks;Part 12: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) (Repeaters) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>                               | <p>10.08.2010</p> | <p>EVS-EN 301 908-12 V3.1.1:2008<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |

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| <p>EVS-EN 301 908-13 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 13: IMT-2000 E-UTRA kasutajaseadmete põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 13: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (UE) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>           | <p>10.08.2010</p> |  |  | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-14 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 14: IMT-2000 E-UTRA baasjaamade põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 14: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (BS) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>                | <p>10.08.2010</p> |  |  | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-15 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 15: IMT-2000 E-UTRA FDD repiiterite põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 15: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (FDD Repeaters) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> |  |  | <p>Artikli 3 lõige 2</p> |



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| <p>EVS-EN 301 908-16 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 16: IMT-2000 CDMA mitme kandjaga UMB kasutajaseadmete põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 16: Harmonized EN for IMT-2000, Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (UE) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>           | <p>10.08.2010</p> |  |                   | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-17 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 17: IMT-2000 CDMA mitme kandjaga UMB baasjaamade põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 17: Harmonized EN for IMT-2000, Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (BS) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>                | <p>10.08.2010</p> |  |                   | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-2 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 2: IMT-2000, otsese hajutamise CDMA (UTRA FDD ja E-UTRA FDD) kasutajaseadmete harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 2: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (UE) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> | <p>EVS-EN 301 908-2 V3.2.1:2007 Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |

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| <p>EVS-EN 301 908-3 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 3: IMT-2000, otsese hajutamisega CDMA (UTRA FDD ja E-UTRA FDD) baasjaamade harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 3: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (BS) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>  | <p>10.08.2010</p> | <p>EVS-EN 301 908-3 V3.2.1:2007<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-4 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 4: IMT-2000, mitme kandjaga CDMA (cdma2000 ja UMB) kasutajaseadmete põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 4: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) and Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (UE) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> | <p>EVS-EN 301 908-4 V3.2.1:2007<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-5 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 5: IMT-2000, mitme kandjaga CDMA (cdma2000 ja UMB) baasjaamade põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 5: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) and Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (BS) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>      | <p>10.08.2010</p> | <p>EVS-EN 301 908-5 V3.2.1:2007<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |

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| <p>EVS-EN 301 908-6 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 6: IMT-2000, CDMA TDD (UTRA TDD ja E-UTRA TDD) kasutajaseadmete põhinõuded, harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 6: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD and E-UTRA TDD) (UE) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | <p>10.08.2010</p> | <p>EVS-EN 301 908-6 V3.2.1:2007<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 301 908-7 V4.2.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Kolmanda põlvkonna mobiilsidevõrgu IMT-2000 baasjaamad (BS), repiiterid ja kasutajaseadmed (UE); Osa 7: IMT-2000, CDMA TDD (UTRA TDD) ja E-UTRA TDD) baasjaamade harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 7: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD and E-UTRA TDD) (BS) covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>      | <p>10.08.2010</p> | <p>EVS-EN 301 908-7 V3.2.1:2007<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |
| <p>EVS-EN 302 208-2 V1.3.1:2010<br/> Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Raadiosagedusalas 865 MHz kuni 868 MHz võimsusega kuni 2 W töötavad raadiosageduslikud identifitseerimisseadmed; Osa 2: Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>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 2: Harmonized EN covering essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>   | <p>10.08.2010</p> | <p>EVS-EN 302 208-2 V1.2.1:2008<br/> Märkus 2.1</p> | <p>30.11.2011</p> | <p>Artikli 3 lõige 2</p> |

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| <p>EVS-EN 302 217-4-2 V1.5.1:2010<br/>Paiksed raadiosüsteemid.Raadioliinide seadmete ja antennide karakteristikud ja nõuded.Osa 4-2:Antennid.Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>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&amp;TTE Directive</i></p>  | 10.08.2010 | EVS-EN 302 217-4-2 V1.4.1:2009<br>Märkus 2.1 | 31.10.2011 | Artikli 3 lõige 2 |
| <p>EVS-EN 302 288-2 V1.3.2:2009<br/>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed; Maanteesidesüsteemi seadmed (RTTT); Sagedusalas 24 GHz töötavad sõidukiradarid; Osa 2: Harmoneeritud EN R&amp;TTE direktiivi artikli 3.2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Road Transport and Traffic Telematics (RTTT); Short range radar equipment operating in the 24 GHz range</i></p>  | 10.08.2010 | EVS-EN 302 288-2 V1.2.2:2008<br>Märkus 2.1   | 31.10.2010 | Artikli 3 lõige 2 |
| <p>EVS-EN 302 435-2 V1.3.1:2009<br/>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM); Lähitoimeseadmed (SRD); Ultralairiba (UWB) tehnoloogiat kasutavate lähitoimeseadmete tehnilised näitajad; Raadiosagedusvahemikus 2,2 GHz kuni 8 GHz töötavad ehitusmaterjalide analüüsi ja klassifitseerimise rakendused; Osa 2: Harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Technical characteristics for SRD equipment using Ultra WideBand technology (UWB); Building Material Analysis and Classification equipment applications operating in the frequency band from 2,2 GHz to 8,5 GHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p> | 10.08.2010 |  |            | Artikli 3 lõige 2 |
| <p>EVS-EN 302 544-1 V1.1.2:2010<br/>Sagedusalas 2500 MHz kuni 2690 MHz töötavad lairibaandmeedastussüsteemid; Osa 1:Aegtihendus dupleks modulatsiooniga (TDD) baasjaamad; harmoneeritud EN R&amp;TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>Broadband Data Transmission Systems operating in the 2 500 MHz to 2 690 MHz frequency band; Part 1: TDD Base Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i></p>   | 10.08.2010 |  |            | Artikli 3 lõige 2 |

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| EVS-EN 302 561 V1.2.1:2010<br>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Liikuv maaside;Sageduskanalis laiusega 25 kHz,50 kHz,100 kHz või 150 kHz töötavad pidevat või vahelduvat mähisjoone modulatsiooni kasutavad raadioseadmed;Harmoneeritud EN R&TTE direktiivi artikli 3 lõike 2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM);Land Mobile Service;Radio equipment using constant or non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz;Harmonized EN covering essential requirements of article 3.2 of the R&amp;TTE Directive</i> | 10.08.2010 | EVS-EN 302 561 V1.1.1:2008<br>Märkus 2.1 | 31.08.2011 | Artikli 3 lõige 2 |
| EVS-EN 302 625 V1.1.1:2009<br>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM).Suurõnnetuste korral kasutatavad 5 GHz raadiosagedusalas töötavad kriisiabi lairiba rakendused (BBDR). Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); 5 GHz BroadBand Disaster Relief applications (BBDR); Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i>  | 10.08.2010 |  |            | Artikli 3 lõige 2 |
| EVS-EN 302 752 V1.1.1:2009<br>Elektromagnetilise ühilduvuse ja raadiospektri küsimused (ERM);Aktiivsed radarid;Harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinõuete alusel / <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Active radar target enhancers; Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive</i>   | 10.08.2010 |  |            | Artikli 3 lõige 2 |
| EVS-EN 302 977 V1.1.2:2010<br>Kosmoseside maajaamad ja süsteemid (SES). Raadiosagedusalades 12/14 GHz töötavad liiklusvahenditele paigaldatud maajaamade (VMES) harmoneeritud EN R&TTE direktiivi artikli 3.2 põhinõuete alusel / <i>Satellite Earth Stations and Systems (SES);Harmonized EN for Vehicle-Mounted Earth Stations (VMES) operating in the 14/12 GHz frequency bands covering the essential requirements of article 3.2 of the R&amp;TTE directive</i>   | 10.08.2010 |  |            | Artikli 3 lõige 2 |

#### Märkus 1

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

#### Märkus 2.1

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

## 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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- 03 Teenused. Ettevõtte organiseerimine, juhtimine ja kvaliteet. Haldus. Transport. Sotsioloogia
- 07 Matemaatika. Loodusteadused
- 11 Tervisehooldus
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- 17 Metroloogia ja mõõtmine. Füüsilised nähtused
- 19 Katsetamine
- 21 Üldkasutatavad masinad ja nende osad
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- 29 Elektrotehnika
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- 53 Tõste- ja teisaldusseadmed
- 55 Pakendamine ja kaupade jaotussüsteemid
- 59 Tekstiili- ja nahatehnoloogia
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- 67 Toiduainete tehnoloogia
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- 75 Nafta ja naftatehnoloogia
- 77 Metallurgia
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- 81 Klaasi- ja keraamikatööstus
- 83 Kummi- ja plastitööstus
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- 87 Värvide ja värvainete tööstus
- 91 Ehitusmaterjalid ja ehitus
- 93 Rajatised
- 95 Sõjatehnika
- 97 Olme. Meelelahutus. Sport
- 99 Muud

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 1317-1:2010**

Hind 219,00

Identne EN 1317-1:2010

#### **Teepiirdesüsteemid. Osa 1: Terminoloogia ja katsemeetodite üldkriteeriumid**

This European Standard contains provisions for the measurement of performance of products for the road restraint systems, under impact and impact severity levels, and includes: - Test site data; - Definitions for road restraint systems; - Vehicle specification (including loading requirements) for vehicles used in the impact tests; - Instrumentation for the vehicles; - Calculation procedures and methods of recording crash impact data including impact severity levels; - VCDI. The modifications included in this standard are not a change of test criteria, in the sense of EN 1317-5:2007+A1:2008, ZA.3.

Keel en

Asendab EVS-EN 1317-1:1999

#### **EVS-EN 13306:2010**

Hind 198,00

Identne EN 13306:2010

#### **Maintenance - Maintenance terminology**

This European Standard specifies generic terms and definitions for the technical, administrative and managerial areas of maintenance. It may not be applicable to terms which are used for the maintenance of software only.

Keel en

Asendab EVS-EN 13306:2001

#### **EVS-EN 15878:2010**

Hind 315,00

Identne EN 15878:2010

#### **Steel static storage systems - Terms and definitions**

This European Standard specifies terms and definitions for steel storage systems, as listed in Table 1, and their basic components and accessories.

Keel en

#### **EVS-EN ISO 5457:2001/A1:2010**

Hind 68,00

Identne EN ISO 5457:1999/A1:2010

ja identne ISO 5457:1999/Amd 1:2010

#### **Technical product documentation - Sizes and layout of drawing sheets - Amendment 1**

This International Standard specifies the size and layout of preprinted sheets for technical drawings in any field of engineering, including those produced computer-based.

Keel en

#### **EVS-EN ISO 13349:2010**

Hind 243,00

Identne EN ISO 13349:2010

ja identne ISO 13349:2010

#### **Fans - Vocabulary and definitions of categories**

This International Standard defines terms and categories in the field of fans used for all purposes. It is not applicable to electrical safety.

Keel en

Asendab EVS-EN ISO 13349:2008

#### **EVS-EN ISO 81714-1:2010**

Hind 145,00

Identne EN ISO 81714-1:2010

ja identne ISO 81714-1:2010

#### **Toodete tehnilises dokumentatsioonis kasutatavate tingmärkide kujundamine. Osa 1: Põhireeglid**

ISO 81714 määrab kasutusvajadustest lähtuvalt toodete tehnilises dokumentatsioonis kasutatavate graafiliste sümbolite kujundamisreeglid.

Keel en

Asendab EVS-EN ISO 81714-1:2000

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 736-3:2000/A1:2002**

Identne EN 736-3:1999/A1:2001

#### **Torustikuarmatuur. Terminoloogia. Osa 3: Terminite määratlused. MUUDATUS**

Käesolevas standardis on esitatud terminid ja nende määratlused (või viited teistele standarditele, kus need on määratletud), mis on vajalikud torustikuarmatuuriga seonduvate mõistete - rõhu ja temperatuuri, mõõtmete konstruktsiooni, vooluparameetrite, käsitlemise ja katsetamise - käsitlemisel. Standardi eesmärgiks on ühtse terminoloogia loomine kõigi armatuuritüüpide kohta. Käesolevas standardis toodud terminid ja määratlused võivad olla rakendatavad ka muude, armatuurist erinevate toodete kohta, kusjuures neid määratlusi saab rakendada samal kujul. Selles standardis toodud terminid on ühised mitme armatuuritüübi jaoks. Termineid ja määratlusi, mis on omased ainult ühele armatuuritüübile, võib leida vastavast tootestandardist.

Keel en

Asendatud EVS-EN 736-3:2008

#### **EVS-EN 1317-1:1999**

Identne EN 1317-1:1998

#### **Teepiirdesüsteemid. Osa 1: Terminoloogia ja katsemeetodite üldkriteeriumid**

Käesolev Euroopa standard esitab selle standardi muudes osades maanteesõidukite piirdesüsteemide ja jalakäijate piirdesüsteemide käsitlemisel kasutatavate põhimõistete määratlused. Samuti määrab standard kindlaks katsemeetodite üldnormid. Teatmelisad B ja C annavad teavet kokkupõrke tagajärjel tekkiva kineetilise energia ja sõiduki kiirenduse kohta.

Keel en

Asendatud EVS-EN 1317-1:2010

#### **EVS-EN 13306:2001**

Identne EN 13306:2001

#### **Maintenance terminology**

This European Standard specifies generic terms and definitions for the technical, administrative and managerial areas of maintenance. It is not intended to be applicable to terms which are used for the maintenance of software only.

Keel en

Asendatud EVS-EN 13306:2010



**EVS-EN 13859-1:2005+A1:2008**

Identne EN 13859-1:2005+A1:2008

**Elastsed niiskusisolatsioonimaterjalid. Aluskihtide definitsioonid ja omadused. Osa 1: Mitmest osast koosnevate katuste alusmaterjalid KONSOLIDEERITUD TEKST**

This document specifies the characteristics of flexible sheets for underlays which are to be used under roof covering of discontinuous roofs. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

Keel en

Asendab EVS-EN 13859-1:2005

Asendatud EVS-EN 13859-1:2010

**EVS-EN 13859-2:2005+A1:2008**

Identne EN 13859-2:2004+A1:2008

**Elastsed niiskusisolatsioonimaterjalid. Aluskihtide definitsioonid ja omadused. Osa 2: Seinte alusmaterjalid KONSOLIDEERITUD TEKST**

This document specifies the characteristics of flexible sheets for underlays for walls which are to be used in walls behind outside wall coverings in order to avoid penetration of wind and water from outside. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

Keel en

Asendab EVS-EN 13859-2:2005

Asendatud EVS-EN 13859-2:2010

**EVS-EN ISO 13349:2008**

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 EVS-EN ISO 13349:2010

**EVS-EN ISO 15225:2000/A1:2004**

Identne EN ISO 15225:2000/A1:2004

ja identne ISO 15225:2000/A1:2004

**Nomenklatuur. Meditsiinivahendite nomenklatuurisüsteemi spetsifikatsioon ettenähtud andmevahetuse otstarbel**

This European Standard specifies requirements and guidance for the construction of a nomenclature for medical devices in order to facilitate co-operation and exchange of regulatory data on an international level between interested parties such as: Regulatory Authorities, Manufacturers, Suppliers, Health Care Providers, and End Users.

Keel en

Asendatud EVS-EN ISO 15225:2010

**EVS-EN ISO 81714-1:2000**

Identne EN ISO 81714-1:1999

ja identne ISO 81714-1:1999

**Toodete tehnilises dokumentatsioonis kasutatavate tingmärkide kujundamine. Osa 1: Põhireeglid**

ISO 81714 määrab kasutusvajadustest lähtuvalt toodete tehnilises dokumentatsioonis kasutatavate graafiliste sümbolite kujundamisreeglid.

Keel et

Asendatud EVS-EN ISO 81714-1:2010

**KAVANDITE ARVAMUSKÜSITLUS****prEN 12258-1**

Identne prEN 12258-1:2010

Tähtaeg 29.11.2010

**Alumiinium ja alumiiniumsulamid. Tingimused ja määratlused. Osa 1: Üldterminid**

This European Standard defines general terms which are helpful for the communication within the aluminium industry and its customers relating to products of aluminium and aluminium alloys. It includes terms dealing with aluminium products, processing, sampling and testing, product characteristics and different types of visual quality characteristics. It does not include terms dealing with bauxite mining, alumina and anode production and aluminium smelting. This European Standard tries to be as close as possible to terms and definitions as used in other standards or documents. This European Standard tries to follow the "common language" as used in native English speaking countries, without giving preference to specific idioms of one of these countries. In cases where in different English-speaking countries different terms are used for the same concept or different concepts refer to an identical term, it gives the appropriate explanations.

Keel en,de,fr

Asendab EVS-EN 12258-1:1999

**prEVS 910**

Tähtaeg 29.11.2010

**Kinnisvara korrashoiu hankedokumendid ja nende koostamise juhised**

Käesolev standard annab ja avab kinnisvara korrashoiu valdkonna hangete korraldamise põhimõisted, juhised ja tüüpvormid ning arusaama korrashoiu hanke ratsionaalsest ja kvaliteetsest korraldusest ning sellega kaasnevast dokumenteerimisest.

Keel et

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

#### UUED STANDARDID JA PUBLIKATSIOONID

##### **CWA 16180-1:2010**

Hind 229,00

Identne CWA 16180-1:2010

##### **The CEN ORCHID Roadmap Standardising Information Across the Plant Engineering Supply Chain - Part 1: Direction and Framework**

This document is part of a family of standards consisting of - CWA Part 1. CEN ORCHID Roadmap: Direction and Framework (this document) - CWA Part 2. CEN ORCHID Roadmap: Implementation Guide - CWA Part 3. CEN ORCHID Roadmap: Standards Landscape The scope of the various parameters for the ORCHID Roadmap Part 1 Direction and Framework is defined as follows: - Stakeholders - The process industry supply chain i.e.: plant owners, EPC contractors, equipment suppliers and manufacturers, service companies, software vendors, standardisation consortia, trade associations. This of course is not limited to Europe. It includes process industry globally. - Authorities, regulatory bodies - Standards - All standards that are relevant for the implementation of the Roadmap in practice. - The standards landscape report lists those. - Timeframe - The timeframe covered by the Roadmap - Up until now covers from about 1994 – 2010 - From 2010 – 5-10 years further away - Normative part of document - Annex A. - Annex D. - Not in scope - Real time process and asset information i.e. DCS - Smart equipment i.e. equipment in the field transmitting intelligent information to a central unit about conditions in the field. - Part of transition standards - The business process used by supply chain participants to create information - Standardisation of process flow scheme designs such as progressed by CAPE. Although this is an important subject, it was not included in the study in order for the project to be feasible.

Keel en

##### **CWA 16180-2:2010**

Hind 243,00

Identne CWA 16180-2:2010

##### **The CEN ORCHID Roadmap Standardising Information Across the Plant Engineering Supply Chain - Part 2: Implementation Guide**

This document is part of a family of standards consisting of - CWA 16180-1. CEN ORCHID Roadmap: Direction and Framework - CWA 16180-2. CEN ORCHID Roadmap: Implementation Guide (this document) - CWA 16180-3. CEN ORCHID Roadmap: Standards Landscape

Keel en

##### **CWA 16180-3:2010**

Hind 336,00

Identne CWA 16180-3:2010

##### **The CEN ORCHID Roadmap Standardising Information Across the Plant Engineering Supply Chain - Part 3: Standards Landscape**

This document is part of a family of documents consisting of: - CWA Part 1. CEN ORCHID Roadmap: Direction and Framework - CWA Part 2. CEN ORCHID Roadmap: Implementation Guide - CWA Part 3. CEN ORCHID Roadmap: Standards Landscape (this document)

Keel en

##### **EVS 875-12:2010**

Hind 178,00

##### **Vara hindamine. Osa 12: Hindamine hüvitamise eesmärgil**

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 875-12 „Hindamine hüvitamise eesmärgil“ käsitleb vara hindamise erisusi, mis tavaliselt on seotud avalike huvide, kuid mitte ainult, teostamisega. Hüvitamise küsimus võib tõstatada seonduvalt sundvõõrandamise, kindlustuse kahjukäsitluste jms. juhtumitega. Käesolev standard keskendub küsimustele, mis on seotud avalike huvide teostamisega ja ei anna detaileid juhtnööre hüvitusväärtuse leidmiseks muid hindamise eesmarke silmas pidades.

Keel et

##### **EVS-EN 9104-003:2010**

Hind 188,00

Identne EN 9104-003:2010

##### **Aerospace series - Quality management systems - Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification**

This standard provides the minimum requirements (Body of Knowledge) for AQMS Auditors who will participate in AQMS Certification/registration activities including Auditor Authentication process and for training organization. It is applicable to auditors seeking formal approval to conduct audits of the AQMS systems under the IAQG and those who manage the competency element of an AQMS audit program and to training organizations.

Keel en

Asendatud EVS-EN 9104-003:2009

**EVS-EN 9120:2010**

Hind 188,00

Identne EN 9120:2010

**Quality Management Systems - Requirements for Aviation, Space and Defence Distributors**

This standard includes ISO 9001:2008 1) quality management system requirements and specifies additional aviation, space and defense industry requirements, definitions and notes as shown in bold, italic text. It is emphasized that the requirements specified in this standard are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable statutory or regulatory requirements, the latter shall take precedence. This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9120:2006

**EVS-EN 13306:2010**

Hind 198,00

Identne EN 13306:2010

**Maintenance - Maintenance terminology**

This European Standard specifies generic terms and definitions for the technical, administrative and managerial areas of maintenance. It may not be applicable to terms which are used for the maintenance of software only.

Keel en

Asendab EVS-EN 13306:2001

**EVS-EN 14508:2006+A1:2010**

Hind 114,00

Identne EN 14508:2003+A1:2007

**Postal services - Quality of service - Measurement of the transit time of end-to-end services for single piece nonpriority and second class mail (KONSOLIDEERITUD TEKST)**

In addition to EN 13850:2002 Postal Services - Quality of Service - Measurement of the transit time of end-to-end services for single piece priority mail and first class mail, this European Standard specifies methods for measuring the end-to-end transit time of domestic and cross-border non-priority single piece mail, collected, processed and distributed by postal service operators. It considers methods using a representative end-to-end sample of all types of single piece addressed letter mail

Keel en

Asendab EVS-EN 14508:2006

**EVS-EN ISO 24534-1:2010**

Hind 124,00

Identne EN ISO 24534-1:2010

ja identne ISO 24534-1:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of ISO 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 Parts 2, 3, 4 and 5 of ISO 24534 and more limited, though relevant, provisions are defined in ISO 24535.

Keel en

Asendab CEN ISO/TS 24534-1:2007

**EVS-EN ISO 24534-2:2010**

Hind 166,00

Identne EN ISO 24534-2:2010

ja identne ISO 24534-2:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of ISO 24534 defines the operational requirements for the remaining parts of ISO 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 24534, a list of potential stakeholders in the public and private sector has been included.

Keel en

Asendab CEN ISO/TS 24534-2:2007

### **EVS-EN ISO 24534-3:2010**

Hind 219,00

Identne EN ISO 24534-3:2010

ja identne ISO 24534-3:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of ISO 24534 defines the vehicle identification data. This data is called the ERI data and includes - the vehicle identifier, and - possible additional vehicle-related information (as typically included in a vehicle registration certificate). All additional vehicle data elements are defined as optional. It is left to local legislation and/or the discretion of a registration authority to use or not to use a particular data element. If used, the value is assumed to be the one registered by the registration authority in accordance with local legislation. This part of ISO 24534 only provides the syntax for all these data elements.

Keel en

Asendab CEN ISO/TS 24534-3:2008

### **EVS-EN ISO 24534-4:2010**

Hind 315,00

Identne EN ISO 24534-4:2010

ja identne ISO 24534-4:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of 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. NOTE 1 The onboard device containing the ERI data is called the electronic registration tag (ERT). This part of ISO 24534 includes: - the application layer interface between an ERT and an onboard ERI reader or writer; - the application layer interface between the onboard ERI equipment and external ERI readers and writers; - security issues related to the communication with the ERT.

Keel en

Asendab CEN ISO/TS 24534-4:2008

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

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

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 EVS-EN ISO 24534-1:2010

#### **CEN ISO/TS 24534-2:2007**

Identne CEN ISO/TS 24534-2:2007

ja identne ISO/TS 24534-2:2007

#### **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

Asendatud EVS-EN ISO 24534-2:2010

#### **EVS-EN 9120:2006**

Identne EN 9120:2005

#### **Aerospace series - Quality management systems - Requirements for stockist distributors (based on ISO 9001:2000)**

The adoption of a quality management system should be a strategic decision of an organization. The design and implementation of an organization's quality management system is influenced by varying needs, particular objectives, the products provided, the processes employed and the size and structure of the organization.

Keel en

Asendatud EVS-EN 9120:2010

### **EVS-EN 13306:2001**

Identne EN 13306:2001

#### **Maintenance terminology**

This European Standard specifies generic terms and definitions for the technical, administrative and managerial areas of maintenance. It is not intended to be applicable to terms which are used for the maintenance of software only.

Keel en

Asendatud EVS-EN 13306:2010

### **EVS-EN 14508:2006**

Identne EN 14508:2003

#### **Postiteenused. Teenuse kvaliteet. Mitteprioriteetsete ja teise klassi üksikute kirisaadetiste postitamise kättetoimetamise kulgemisaja mõõtmine**

standard lisandub standardile EN 13850:2002

Postiteenused. Teenuse kvaliteet. Üksikute prioriteetsete ja esimese klassi kirisaadetiste postitamisest kättetoimetamise kulgemisaja mõõtmine ning määratleb meetodid, mida kasutada postiettevõtjate poolt kogutud, töödeldud ja jaotatud siseriiklike ja rahvusvaheliste mitteprioriteetsete üksikute postisaadetiste postitamise kättetoimetamise kulgemisaja mõõtmiseks. Selles vaadeldakse meetodeid, mis võimaldavad mõõtmiseks kasutada esinduslikku valimit igat tüüpi üksikutest adresseeritud kirisaadetistest.

Keel et

Asendatud EVS-EN 14508:2006+A1:2010

### **EVS-EN ISO 13485:2004/AC:2007**

Identne EN ISO 13485:2003/AC:2007

#### **Meditiiniseadmed. Kvaliteedijuhtimissüsteem. Reguleerivad sätted**

This International Standard specifies requirements for a quality management system where an organization needs to demonstrate its ability to provide medical devices and related services that consistently meet customer requirements and regulatory requirements applicable to medical devices and related services. The primary objective of this International Standard is to facilitate harmonized medical device regulatory requirements for quality management systems. As a result, it includes some particular requirements for medical devices and excludes some of the requirements of ISO 9001 that are not appropriate as regulatory requirements. Because of these exclusions, organizations whose quality management systems conform to this International Standard cannot claim conformity to ISO 9001 unless their quality management systems conform to all the requirements of ISO 9001 (see Annex B).

Keel en

### **EVS-IEC 60605-3-1:2006**

ja identne IEC 60605-3-1:1986

#### **Equipment reliability testing. Part 3: Preferred test conditions. Indoor portable equipment - Low degree of simulation**

Applies to indoor portable equipment operated in a stationary position with a low degree of simulation. Contains preferred test conditions given in IEC 605-1.

Keel en

### **EVS-IEC 60605-3-2:2006**

ja identne IEC 60605-3-2:1986

#### **Equipment reliability testing. Part 3: Preferred test conditions. Equipment for stationary use in weatherprotected locations - High degree of simulation**

Applies to equipment for stationary use in weatherprotected locations and in temperate climates. Contains preferred test conditions given in IEC 605-1.

Keel en

### **EVS-IEC 60605-3-4:2006**

ja identne IEC 60605-3-4:1992

#### **Equipment reliability testing - Part 3: Preferred test conditions - Section 4: Test cycle 4: Equipment for portable and non-stationary use - Low degree of simulation**

This section is applicable to portable equipment for non-stationary use covered by IEC 60721-3-7. The degree of simulation is low. Contains preferred test conditions as given in IEC 60605-1. During exposure to the test conditions, the test items should be monitored according to 9.1 of IEC 60605-1. The test cycle provided here is not intended to replace tests for other purposes, such as qualification tests, functional performance tests, environmental tests and tests aiming at the verification of the ability to survive or function during extreme conditions of storage, transportation or use.

Keel en

### **EVS-IEC 60706-1:2006**

ja identne IEC 60706-1:1982

#### **Guide on maintainability of equipment. Part 1 - Sections One, Two and Three. Introduction, requirements and maintainability programme**

Describes the concept of maintainability, defines the general approach and gives the objectives of maintainability. Gives the maintainability requirements for specifications and contracts and describes the contents of maintainability programmes. Sections 1 and 3 are replaced by IEC 60300-3-10 (2000).

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **prEN 16154**

Identne prEN 16154:2010

Tähtaeg 29.11.2010

#### **Air Traffic Management - Software assurance levels**

The present document is for the production of assurance evidence for software used in ground-based systems and their constituents. This Community Specification on Software Assurance Levels (SWAL) is intended to apply to software that is part of the EATMN, focusing only on its "ground" segment and providing a reference against which stakeholders can assess their own practices for software specification, design, development, operation, maintenance, evolution and decommissioning. This Community Specification defines the Technical, Operational and Maintenance requirements for Software Assurance Levels to demonstrate compliance with the applicable (see Annex A) Essential Requirements of the Regulation (EC) N° 552/2004 of the European Parliament and of the Council on the interoperability of the European Air Traffic network ("the Interoperability regulation"). Requirements in the present document which refer to "should" statements or recommendations in the normatively referenced material (2.1) are to be interpreted as fully normative ("shall") for the purpose of compliance with the present document.

Keel en

## prEVS 910

Tähtaeg 29.11.2010

### Kinnisvara korrashoiu hankedokumentid ja nende koostamise juhised

Käesolev standard annab ja avab kinnisvara korrashoiu valdkonna hangete korraldamise põhimõisted, juhised ja tüüpvormid ning arusaama korrashoiu hanke ratsionaalsest ja kvaliteetsest korraldusest ning sellega kaasnevast dokumenteerimisest.

Keel et

## 07 MATEMAATIKA. LOODUSTEADUSED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 13798:2010**

Hind 114,00

Identne EN 13798:2010

#### **Hydrometry - Specification for a reference raingauge pit**

This European Standard specifies the design of a reference raingauge pit. The reference raingauge pit is designed for the liquid precipitation only. The specified details of the pit and the grating, are purposely kept to a minimum in order to allow each raingauge operator latitude in their construction and to suit local conditions.

Keel en

Asendab EVS-EN 13798:2002

#### **EVS-EN ISO 6887-5:2010**

Hind 135,00

Identne EN ISO 6887-5:2010

ja identne ISO 6887-5:2010

#### **Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 5: Specific rules for the preparation of milk and milk products**

This part of ISO 6887 specifies rules for the preparation of samples of milk and milk products and their suspension for microbiological examination when the samples require a different preparation from the general methods specified in ISO 6887-1. ISO 6887-1 defines the general rules for the preparation of the initial suspension and decimal dilutions for microbiological examination. This part of ISO 6887 excludes preparation of samples for both enumeration and detection test methods where preparation details are specified in the relevant International Standards. This part of ISO 6887 is applicable to: a) milk and liquid milk products; b) dried milk products; c) cheese; d) casein and caseinates; e) butter; f) ice-cream; g) custard, desserts and sweet cream; h) fermented milk and sour cream; i) milk-based infant foods.

Keel en

Asendab EVS-EN ISO 8261:2002

#### **EVS-ISO 4832:2010**

Hind 80,00

ja identne ISO 4832:2006

#### **Toidu ja loomasöötade mikrobioloogia. Horisontaalmeetod coli-laadsete arvuliseks määramiseks. Kolooniate loendamise meetod (ISO 4832:2006)**

Standard annab coli-laadsete mikroorganismide arvulise määramise põhijuhised. See on rakendatav: - toiduks kasutatavatele toodetele ja loomasöötadele ning - keskkonnaproovidele toidu tootmise ja toidu käitlemise piikonnas kolooniate loendamise tehnikaga pärast tardsöötmet kasvatamist 30 0C või 37 0C juures. MÄRKUS Temperatuuri lepivad kokku asjahuvilised osapooled. Piima ja piimatoodete korral on inkubeerimistemperatuuriks 30 0C. Käesolevat meetodit soovitatakse kasutada siis, kui eeldatav kolooniate arv milliliitris või grammis katseproovis on üle 100.

Keel et

#### **EVS-ISO 18593:2010**

Hind 92,00

ja identne ISO 18593:2004

#### **Toidu ja loomasöötade mikrobioloogia. Pindadelt kontaktplaatide ja tampoonidega proovivõtu horisontaalmeetodid. (ISO 18593:2004)**

Standard käsitleb elusate mikroorganismide leidmiseks või loendamiseks suunatud proovivõtutehnika horisontaalmeetodeid, milles kasutatakse kontaktplaatide või tampoone toiduainetööstuse keskkonnas (ja toiduainetööstuses). MÄRKUS: Termin "keskkond" tähendab igat kokkupuutepunkti toiduainega, või tõenäoliselt esindab saastumise või korduva saastumise allikat, näiteks materjali, ruume, töötajaid.

Keel et

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN ISO 8261:2002**

Identne EN ISO 8261:2001

ja identne ISO 8261:2001

#### **Piim ja piimatooted. Mikrobioloogilisteks uuringuteks katseproovide, algsuspensioonide ja kümnendlahjenduste valmistamise üldjuhend**

Standard kirjeldab üldjuhiseid katseproovide, algsuspensioonide ja kümnendlahjenduste valmistamiseks piima ja piimatoodete, kaasa arvatud piimapõhiste imikutoitude, mikrobioloogiliseks uuringuks.

Keel et

Asendatud EVS-EN ISO 6887-5:2010

## 11 TERVISEHOOLDUS

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 1865-1:2010**

Hind 209,00

Identne EN 1865-1:2010

#### **Kiirabiautodes kasutatavate patsiendi transpordi abivahendite spetsifikatsioonid. Osa 1: Üldised kanderaamisüsteemid ja patsiendi transpordivahendid**

Käesolev standard sätestab kiirabiautodes kasutatavatele kanderaamidele ja teistele patsiendi transpordi abivahenditele esitatavaid miinimumnõuded niisugusel viisil, et lisakahjustuste tekke võimalus oleks minimaalne.

Keel en

Asendab EVS-EN 1865:2000

**EVS-EN 1865-2:2010**

Hind 114,00

Identne EN 1865-2:2010

**Kiirabiautodes kasutatavad patsiendi transpordi abivahendid. Osa 2: Muudetava asendiga kandraam**

This European Standard defines minimum requirements for the design and performance of power assisted stretchers used in road ambulances for the treatment and transportation of patients. It aims to ensure patient safety and minimize the physical effort required by staff operating the equipment.

Keel en

Asendab EVS-EN 1865:2000

**EVS-EN 14139:2010**

Hind 92,00

Identne EN 14139:2010

**Oftalmiline optika. Valmisprillide spetsifikatsioonid**

This European Standard specifies the minimum requirements for complete ready-to-wear spectacles. These are not intended for regular use without the approval of an eye-care professional.

Keel en

Asendab EVS-EN 14139:2002

**EVS-EN 15823:2010**

Hind 145,00

Identne EN 15823:2010

**Packaging - Braille on packaging for medicinal products**

This European Standard specifies requirements and provides guidance for the application of Braille to the labelling of medicinal products.

Keel en

**EVS-EN 15927:2010**

Hind 178,00

Identne EN 15927:2010

**Services offered by hearing aid professionals**

This European Standard applies to the services offered by hearing aid professionals in their efforts to provide benefit for their clients. This European Standard specifies the process of hearing aid provision from the first client contact to the long term follow-up. This European Standard also defines requirements for education, facilities, equipment and code of conduct. A quality management system with the overall objective of securing client satisfaction and covering the elements of the service is also an essential part of the requirements. This European Standard centres on the services offered to the majority of clients with hearing impairment. Certain groups of hearing impaired such as children, persons with other disabilities or persons with implantable devices may require services beyond what is covered in this European Standard.

Keel en

**EVS-EN ISO 10451:2010**

Hind 114,00

Identne EN ISO 10451:2010

ja identne ISO 10451:2010

**Dentistry - Contents of technical file for dental implant systems**

This International Standard specifies requirements for the contents of a technical file to demonstrate the fulfilment of regulatory requirements for a dental implant and any prefabricated part thereof that remains in the mouth after surgery. This International Standard is not applicable to instruments and other parts specifically made for the dental implant system but which do not remain in the mouth. However, documentation relating to these components may be included in the technical file.

Keel en

Asendab EVS-EN ISO 10451:2002

**EVS-EN ISO 10993-10:2010**

Hind 295,00

Identne EN ISO 10993-10:2010

ja identne ISO 10993-10:2010

**Biological evaluation of medical devices - Part 10: Tests for irritation and skin sensitization**

This part of ISO 10993 describes the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation and skin sensitization. This part of ISO 10993 includes: a) pretest considerations for irritation, including in silico and in vitro methods for dermal exposure; b) details of in vivo (irritation and sensitization) test procedures; c) key factors for the interpretation of the results. Instructions are given in Annex A for the preparation of materials specifically in relation to the above tests. In Annex B several special irritation tests are described for application of medical devices in areas other than skin.

Keel en

Asendab EVS-EN ISO 10993-10:2009

## **EVS-EN ISO 10993-13:2010**

Hind 155,00

Identne EN ISO 10993-13:2010

ja identne ISO 10993-13:2010

### **Meditsiiniseadmete bioloogiline hindamine. Osa 13: Polümeersest meditsiiniseadmetest pärit mittetäisvääruslike saaduste kuuluvuse ja koguse kindlakstegemine**

This part of ISO 10993 provides general requirements for the design of tests in a simulated environment for identifying and quantifying degradation products from finished polymeric medical devices ready for clinical use. This part of ISO 10993 describes two test methods to generate degradation products, an accelerated degradation test as a screening method and a real-time degradation test in a simulated environment. For materials that are intended to polymerize in situ, the set or cured polymer is used for testing. The data generated are used in the biological evaluation of the polymer. This part of ISO 10993 considers only non-resorbable polymers. Similar but appropriately modified procedures may be applicable for resorbable polymers. This part of ISO 10993 considers only those degradation products generated by a chemical alteration of the finished polymeric device. It is not applicable to degradation of the device induced during its intended use by mechanical stress, wear or electromagnetic radiation or biological factors such as enzymes, other proteins and cellular activity. NOTE An informative text discussing environmental stress cracking (ESC) of polymers is included as a potential aid to the design of degradation studies (see Annex B). The biological activity of the debris and soluble degradation products is not addressed in this part of ISO 10993, but should be evaluated according to the principles of ISO 10993-1, ISO 10993-16 and ISO 10993-17. Because of the wide range of polymeric materials used in medical devices, no specific analytical techniques are identified or given preference. No specific requirements for acceptable levels of degradation products are provided in this part of ISO 10993.

Keel en

Asendab EVS-EN ISO 10993-13:2009

## **EVS-EN ISO 11990-2:2010**

Hind 135,00

Identne EN ISO 11990-2:2010

ja identne ISO 11990-2:2010

### **Laserid ja laserseadmed. Trahheaalitorude laserikindluse määramine. Osa 2: Trahheaalitoru mansetid**

This part of ISO 11990 specifies a method of testing the continuous wave (cw) resistance of the cuff regions of tracheal tubes designed to resist ignition by a laser. Other components of the system, such as the inflation system and shaft (as defined in ISO 11990-1), are outside the scope of this part of ISO 11990. NOTE 1 The method for testing the laser resistance of the tracheal tube shaft is in the scope of ISO 11990-1. The specified test method can be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions. It does not describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual clinical use conditions. However, the results of this test method may be used as an element of a fire risk assessment which takes into account all of the factors that are pertinent to an assessment of the hazard of a particular end use.

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 1865:2000**

Identne EN 1865:1999

#### **Kiirabiautodes kasutatavate kandraamide ja teiste patsiendi transpordi abivahendite spetsifikatsioonid**

Käesolev standard sätestab kiirabiautodes kasutatavatele kandraamidele ja teistele patsiendi transpordi abivahenditele esitatavaid miinimumnõuded niisugusel viisil, et lisakahjustuste tekke võimalus oleks minimaalne.

Keel et

Asendatud EVS-EN 1865-1:2010; EVS-EN 1865-2:2010; prEN 1865-5; prEN 1865-4; prEN 1865-3

### **EVS-EN 14139:2002/AC:2006**

Identne EN 14139:2002/AC:2006

#### **Ophthalmic optics - Specifications for ready-to-wear spectacles**

Keel en

### **EVS-EN 14139:2002**

Identne EN 14139:2002+AC:2006

#### **Ophthalmic optics - Specifications for ready-to-wear spectacles**

This European Standard specifies the minimum requirement for complete ready-to-wear spectacles. These are not intended for regular use without the approval of an eye-care professional.

Keel en

Asendatud EVS-EN 14139:2010

### **EVS-EN ISO 10451:2002**

Identne EN ISO 10451:2002

ja identne ISO 10451:2002

#### **Dental implant systems - Contents of technical file**

This International Standard specifies requirements for the contents of a technical file to demonstrate the fulfilment of regulatory requirements for a dental implant and any prefabricated part thereof which remains in the mouth after surgery.

Keel en

Asendatud EVS-EN ISO 10451:2010

### **EVS-EN ISO 10993-13:2009**

Identne EN ISO 10993-13:2009

ja identne ISO 10993-13:1998

#### **Meditsiiniseadmete bioloogiline hindamine. Osa 13: Polümeersest meditsiiniseadmetest pärit mittetäisvääruslike saaduste kuuluvuse ja koguse kindlakstegemine**

This part of ISO 10993 provides guidance on general requirements for the design of tests for identifying and quantifying degradation products from finished polymeric medical devices ready for clinical use. This part of ISO 10993 describes two test methods to generate degradation products, an accelerated degradation test as a screening method and a real-time degradation test. For materials which are intended to polymerize in situ, the set or cured polymer is used for testing. The data generated are used in the biological evaluation of the polymer. This part of ISO 10993 considers only those degradation products generated by a chemical alteration of the finished polymeric device. It is not applicable to degradation of the device induced during its intended use by mechanical stress, wear or electromagnetic radiation.

Keel en

Asendab EVS-EN ISO 10993-13:1999

Asendatud EVS-EN ISO 10993-13:2010



### **EVS-EN ISO 10993-10:2009**

Identne EN ISO 10993-10:2009

ja identne ISO 10993-10:2002+Amd 1:2006

#### **Meditsiiniseadmete bioloogiline hindamine. Osa 10: Ärrituse ja hilise ülitundlikkuse katsed**

This part of ISO 10993 describes the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation and skin sensitization. This part of ISO 10993 includes: a) pretest considerations for irritation, including in silico and in vitro methods for dermal exposure; b) details of in vivo (irritation and sensitization) test procedures, and; c) key factors for the interpretation of the results. Instructions are given in Annex A for the preparation of materials specifically in relation to the above tests. In Annex B several special irritation tests are described for application of medical devices in areas other than skin.

Keel en

Asendab EVS-EN ISO 10993-10:2002/A1:2006; EVS-EN ISO 10993-10:2002

Asendatud EVS-EN ISO 10993-10:2010

### **EVS-EN ISO 13485:2004/AC:2007**

Identne EN ISO 13485:2003/AC:2007

#### **Meditsiiniseadmed. Kvaliteedijuhtimissüsteem. Reguleerivad sätted**

This International Standard specifies requirements for a quality management system where an organization needs to demonstrate its ability to provide medical devices and related services that consistently meet customer requirements and regulatory requirements applicable to medical devices and related services. The primary objective of this International Standard is to facilitate harmonized medical device regulatory requirements for quality management systems. As a result, it includes some particular requirements for medical devices and excludes some of the requirements of ISO 9001 that are not appropriate as regulatory requirements. Because of these exclusions, organizations whose quality management systems conform to this International Standard cannot claim conformity to ISO 9001 unless their quality management systems conform to all the requirements of ISO 9001 (see Annex B).

Keel en

### **EVS-EN ISO 15225:2000/A1:2004**

Identne EN ISO 15225:2000/A1:2004

ja identne ISO 15225:2000/A1:2004

#### **Nomenklatuur. Meditsiinvahendite nomenklatuurisüsteemi spetsifikatsioon ettenähtud andmevahetuse otstarbel**

This European Standard specifies requirements and guidance for the construction of a nomenclature for medical devices in order to facilitate co-operation and exchange of regulatory data on an international level between interested parties such as: Regulatory Authorities, Manufacturers, Suppliers, Health Care Providers, and End Users.

Keel en

Asendatud EVS-EN ISO 15225:2010

### **EVS-EN ISO 15225:2000/A2:2005**

Identne EN ISO 15225:2000/A2:2005

ja identne ISO 15225:2000/Amd1:2004

#### **Nomenklatuur. Meditsiinvahendite nomenklatuurisüsteemi spetsifikatsioon ettenähtud andmevahetuse otstarbel**

This European Standard specifies requirements and guidance for the construction of a nomenclature for medical devices in order to facilitate co-operation and exchange of regulatory data on an international level between interested parties such as: Regulatory Authorities, Manufacturers, Suppliers, Health Care Providers, and End Users.

Keel en

Asendatud EVS-EN ISO 15225:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 455-2:2009/FprA1**

Identne EN 455-2:2009/FprA1:2010

Tähtaeg 29.11.2010

#### **Ühekordselt kasutatavad meditsiinilised kindad. Osa 2: Nõuded füüsilistele omadustele ja katsetamine**

Käesolev Euroopa standard määratleb nõuded ja katsemeetodid ühekordselt kasutatavate meditsiiniliste kinnaste (st kirurgilised kindad ja läbivaatus-/protseduurikindad) füüsilistele omadustele, tagamaks, et kindad annavad ja säilitavad kasutamisel piisava kaitse riskide eest nii patsiendile kui ka kinda kasutajale. Käesolevas standardis ei täpsustata partii suurust. Tähelepanu on pööratud raskustele, mis on seotud väga suurte partiide levitamise ja kontrollimisega. Suurim soovituslik tootmispartii suurus on 500 000.

Keel en

#### **FprEN 60601-2-3**

Identne FprEN 60601-2-3:2010

ja identne IEC 60601-2-3:201X

Tähtaeg 29.11.2010

#### **Medical electrical equipment - Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment**

This particular standard specifies the requirements for the safety of SHORT-WAVE THERAPY EQUIPMENT as defined in subclause 201.3.206. LOW POWER EQUIPMENT as defined in subclause 201.3.202 is exempted from certain requirements of this standard.

Keel en

Asendab EVS-EN 60601-2-3:2001

#### **FprEN 60601-2-6**

Identne FprEN 60601-2-6:2010

ja identne IEC 60601-2-6:201X

Tähtaeg 29.11.2010

#### **Medical electrical equipment - Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment**

This Particular Standard specifies requirements for the safety of MICROWAVE THERAPY EQUIPMENT used in medical practice, as defined in 201.3.204.

Keel en

#### **FprEN 60601-2-10**

Identne FprEN 60601-2-10:2010

ja identne IEC 60601-2-10:201X

Tähtaeg 29.11.2010

#### **Medical electrical equipment - Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators**

This Particular Standard specifies the requirements for the safety of nerve and muscle STIMULATORS, defined in subclause 201.3.204, for use in the practice of physical medicine, hereinafter referred to as STIMULATOR(S). This includes Transcutaneous Electrical Nerve STIMULATORS (TENS) and Electrical Muscle STIMULATORS (EMS). The following EQUIPMENT is excluded: - EQUIPMENT intended to be implanted or to be connected to implanted electrodes, - EQUIPMENT intended for the stimulation of the brain (e.g. electroconvulsive therapy - EQUIPMENT), - EQUIPMENT intended for neurological research, - external cardiac pacemakers (see IEC 60601-2-31), - EQUIPMENT intended for averaged evoked potential diagnosis (see IEC 60601-2-40), - EQUIPMENT intended for electromyography (see IEC 60601-2-40), - EQUIPMENT intended for cardiac defibrillation (see IEC 60601-2-4).

Keel en

Asendab EVS-EN 60601-2-10:2002

#### **FprEN ISO 5364**

Identne FprEN ISO 5364:2010

ja identne ISO 5364:2008

Tähtaeg 29.11.2010

#### **Anaesthetic and respiratory equipment - Oropharyngeal airways**

This International Standard specifies requirements for oropharyngeal airways of plastics materials and/or rubber, including those with a reinforcement insert made of plastics materials and/or metal. This International Standard is not applicable to metal oropharyngeal airways, nor to requirements concerning flammability of oropharyngeal airways. Flammability of oropharyngeal airways, for example if flammable anaesthetics, electrosurgical units or lasers are used, is a well-recognized hazard. It is addressed by appropriate clinical management, which is outside the scope of this International Standard. This International Standard is not applicable to supralaryngeal airways without an internal, integral sealing mechanism.

Keel en

#### **FprEN ISO 8362-6**

Identne FprEN ISO 8362-6:2010

ja identne ISO 8362-6:2010

Tähtaeg 29.11.2010

#### **Injection containers and accessories - Part 6: Caps made of aluminium-plastics combinations for injection vials**

This part of ISO 8362 specifies caps made of aluminium-plastics combinations for injection vials as specified in ISO 8362-1 and ISO 8362-4.

Keel en

#### **prEN ISO 6876**

Identne prEN ISO 6876:2010

ja identne ISO/DIS 6876:2010

Tähtaeg 29.11.2010

#### **Dentistry - Root canal sealing materials**

This International Standard specifies requirements and test methods for root canal sealing materials which set with and without the assistance of moisture and are used for permanent obturation of the root canal with or without the aid of obturating points/cones. It only covers sealers intended for orthograde use i.e. a root filling placed from the coronal aspect of a tooth

Keel en

Asendab EVS-EN ISO 6876:2003

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

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TR 13910:2010**

Hind 166,00

Identne CEN/TR 13910:2010

#### **Packaging - Report on criteria and methodologies for life cycle analysis of packaging**

This Technical Report establishes a set of best practice guidelines for undertaking those aspects of life cycle assessment specific to packaging and distribution systems.

Keel en

#### **CLC/TR 50436-3:2010**

Hind 188,00

Identne CLC/TR 50436-3:2010

#### **Alcohol interlocks - Test methods and performance requirements - Part 3: Guidance for decision makers, purchasers and users**

An alcohol interlock is a system comprising a breath alcohol measuring instrument and an immobiliser which may be easily installed in a motor vehicle. Before the vehicle can be started, a breath sample has to be provided to the alcohol interlock, normally through a mouthpiece. Once the breath alcohol measurement has been performed, the alcohol interlock will prevent drivers from starting the motor if they have an alcohol concentration above a predetermined limit value. This limit may be set at the legal limit of a respective country or lower. Alcohol interlocks that meet the relevant European Standards detect, for example, if the sample is delivered by a human being. They are also capable of preventing and detecting tampering with the instrument. Additional parts of the system may include identity checking or recording mechanisms. The purpose of this Technical Report is to give practical guidance for selection, installation, use and maintenance of alcohol interlocks. It is directed to all those who have an interest in alcohol interlocks as well as companies selling and installing alcohol interlocks, purchasers and users for commercial, professional or private use. The Technical Report gives information about the alcohol interlock and how it is to be used. This Technical Report primarily describes alcohol interlocks for use in vehicles as a general preventive measure in traffic safety. However, information provided may also be useful for alcohol interlocks in other applications.

Keel en

**CLC/TR 62061-1:2010**

Hind 219,00

Identne CLC/TR 62061-1:2010

ja identne IEC/TR 62061-1:2010

**Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery**

This Technical Report is intended to explain the application of IEC 62061 and ISO 13849-12) in the design of safety-related control systems for machinery.

Keel en

**CLC/TS 50131-7:2010**

Hind 256,00

Identne CLC/TS 50131-7:2010

**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 50131-7:2008

**EVS-EN 54-25:2008/AC:2010**

Hind 0,00

Identne EN 54-25:2008/AC:2010

**Automaatne tulekahjusignalisatsioonisüsteem. Osa 25: Raadiolinke kasutavad komponendid ja nõuded süsteemidele**

Keel en

**EVS-EN 354:2010**

Hind 135,00

Identne EN 354:2010

**Kõrgelt kukkumise isikukaitsevahendid. Trosstalrepid**

This European Standard specifies the requirements, test

methods, marking, information supplied by the

manufacturer and packaging for lanyards. Lanyards

conforming to this European Standard are used as

connecting elements or components in personal fall

protection systems (i.e. restraint systems, work

positioning systems, rope access systems, fall arrest

systems and rescue systems).

Keel en

Asendab EVS-EN 354:2002

**EVS-EN 530:2010**

Hind 114,00

Identne EN 530:2010

**Kaitserõivaste materjali hõõrdekindlus. Katsemeetod**

This European Standard describes two test methods on

abrasion resistance of materials using the same

abrasion apparatus. The first method describes the

determination of the abrasion resistance of protective

clothing materials. The second method describes

abrasion pre-treatment of these materials where the test

specimens are used afterwards in other test methods or

for evaluating the remaining protective properties. The

abradant is regarded to be a woven wool fabric for the

purposes of this standard. If other abradants (e.g. glass

paper) are used, they should be specified in the

requirement standard. Mounting instructions of special

abradants should be described in requirement

standards. This European Standard is applicable as a

reference standard on abrasion for standards and

specifications on protective clothing textile materials.

Keel en

Asendab EVS-EN 530:1999

**EVS-EN 1317-2:2010**

Hind 188,00

Identne EN 1317-2:2010

**Teepiirdesüsteemid. Osa 2: Põrkpiirete ekspluatatsiooniomaduste klassid, pörkekatseläbimistingimused ja katsemeetodid**

This European Standard specifies requirements on

impact performance of safety barriers, including vehicle

parapets, classes of containment, working width, vehicle

intrusion and impact severity levels. NOTE This

European Standard should be read in conjunction with

EN 1317-1. Both these standards support EN 1317-5.

The modifications included in standard are not a change

of test criteria, in the sense of the EN 1317-

5:2007+A1:2008, ZA.3.

Keel en

Asendab EVS-EN 1317-2:1999; EVS-EN 1317-

2:1999/A1:2006

**EVS-EN 1317-3:2010**

Hind 188,00

Identne EN 1317-3:2010

**Road restraint systems - Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions**

This European Standard specifies requirements for the

performance of crash cushions during vehicle impacts. It

specifies performance classes and acceptance criteria

for impact tests, which should be read in conjunction

with EN 1317-1 and EN 1317-5. The modifications

included in this European Standard are not a change of

test criteria, in the sense of EN 1317-5:2007+A1:2008,

ZA.3.

Keel en

Asendab EVS-EN 1317-3:2000

**EVS-EN 1911:2010**

Hind 243,00

Identne EN 1911:2010

**Stationary source emissions - Determination of mass concentration of gaseous chlorides expressed as HCl - Standard reference method**

The method described in this European Standard determines the concentration of chlorinated compounds in a flue gas that - after passage of the sampling system including a particle filter - give Cl<sup>-</sup> ions in the absorption solution. This Standard Reference Method has been evaluated during field tests on waste incineration. The method applies to waste gases in which chlorides concentration expressed as HCl may vary between 1 mg·m<sup>-3</sup> and 5 000 mg·m<sup>-3</sup> under normal pressure and temperature conditions (see Note 1), and according to emission limit values laid down, for example, in the Council Directive 2000/76/EC on waste incineration plants.

Keel en

Asendab EVS-EN 1911-1:1999; EVS-EN 1911-2:1999; EVS-EN 1911-3:1999

**EVS-EN 1938:2010**

Hind 209,00

Identne EN 1938:2010

**Silmakaitsevahendid. Mootorratturite ja mopeediga sõitjate kaitseprillid**

Käesolev Euroopa standard määrab kindlaks nõuded ja testimismeetodid kaitseprillidele mootorratturite ja mopeediga sõitjate jaoks. Standard ei kehti maastikusõidul ega võistlustel kasutamise kohta.

Keel en

Asendab EVS-EN 1938:1999

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

Hind 0,00

Identne EN 13565-2:2009/AC:2010

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

Keel en

**EVS-EN 13823:2010**

Hind 315,00

Identne EN 13823:2010

**Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

This European Standard specifies a method of test for determining the reaction to fire performance of construction products excluding floorings, and excluding products which are indicated in Table 1 of EC Decision 2000/147/EC, when exposed to thermal attack by a single burning item (SBI). The calculation procedures are given in Annex A. Information on the precision of the test method is given in Annex B. The calibration procedures are given in Annexes C and D, of which C is a normative annex.

Keel en

Asendab EVS-EN 13823:2007

**EVS-EN 15725:2010**

Hind 166,00

Identne EN 15725:2010

**Extended application reports on the fire performance of construction products and building elements**

This European Standard gives the procedures for preparing reports on the extended application process using the results of reaction to fire tests, fire resistance tests and external fire exposure to roof tests undertaken for fire classification of products and product families in accordance with the various parts of EN 13501. This standard makes reference to 'extended application standards' throughout; wherever this term is used it refers to either a standard prepared by CEN/TC 127 'Fire safety in buildings' or the relevant product standard which includes information on extended application. In some cases, where a standard is not yet published, relevant bodies may issue recommendations for use by Notified Bodies in attestation procedures for CE marking under the Construction Products Directive (CPD), <http://ec.europa.eu/enterprise/newapproach/nando/>. The European system currently permits extended application rules to be included in technical specifications. CEN Technical Committees and EOTA Working groups producing these rules are asked to seek the guidance of CEN/TC 127 to ensure that their rules comply with standards prepared by CEN/TC 127. In cases where extended application rules in harmonised EN product standards and ETAs do not comply with standards prepared by CEN/TC 127 the CEN BT should be informed.

Keel en

**EVS-EN 50131-1:2006+A1:2009**

Hind 243,00

Identne EN 50131-1:2006+A1:2009

**Häiresüsteemid. Sissetungi- ja paanikahäire süsteemid. Osa 1: Üldnõuded (konsolideeritud tekst)**

Standard sätestab nõuded sissetungi- ja paanikahäire süsteemidele, mis on paigaldatud hoonetesse, kus kasutatakse ainuotstarbelisi või mitmeotstarbelisi juhtmetatud või juhtmeteta komponentidevahelisi ühendusi. Nõuded kehtivad ka sellistele hoonesse paigaldatud I&HAS-süsteemi komponentidele, mis on tavaliselt paigaldatud hoone välistarindile, näiteks abijuhtimiseseade või häireseadmed. Standard ei sisalda nõudeid välistele I&HAS-süsteemidele.

Standard sätestab toimimise nõuded paigaldatud I&HAS-süsteemidele, kuid ei sisalda nõudeid projekteerimisele, planeerimisele, paigaldamisele, käidule või hooldusele. Nõuded kehtivad ka I&HAS-süsteemidele, mis jagavad avastusseadmeid, käivitamist, ühendusi, juhtimis-, kommunikatsiooni- ja toiteseadmeid teiste rakendustega. Teised rakendused ei tohi häirida I&HAS-süsteemi talitlust.

Nõuded on täpsustatud sellistele I&HAS-süsteemi komponentidele, kus ümbritsev keskkond on klassifitseeritud. Klassifikatsioon iseloomustab keskkonda, milles I&HAS-süsteemi komponent eeldatavasti talitleb projektikohaselt. Juhtumiks, kui nelja keskkonnaklassi nõuded osutuvad teatud geograafilistes paikkondades sealsete ekstreemsete tingimuste tõttu puudulikeks, on lisas A toodud rahvuslikud eritingimused. Üldised keskkonnannõuded I&HAS-süsteemi komponentidele on toodud jaotises 7.

Standardi nõuded kehtivad ka sissetungihäire süsteemide (edaspidi tekstis lühendina ingliskeelsest väljendist Intrusion Alarm Systems – IAS) ja paanikahäire süsteemide (edaspidi tekstis lühendina ingliskeelsest väljendist Hold-up Alarm Systems – HAS) kohta, kui need süsteemid on paigaldatud teineteisest sõltumatult.

Kui I&HAS-süsteem ei sisalda talitlusi, mis seonduvad sissetungi avastamisega, ei kehti sissetungi avastamise nõuded.

Kui I&HAS-süsteem ei sisalda talitlusi, mis seonduvad paanikahäirega, ei kehti paanikahäire nõuded.

**MÄRKUS** Kui puudub vastupidine väide, siis tähendab lühend I&HAS ühteagu ka IASi ja HASi.

Keel et

**EVS-EN 60335-2-27:2010/AC:2010**

Hind 0,00

Identne EVS-EN 60335-2-27:2010/Corr:2010

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

Keel en

**EVS-EN ISO 1716:2010**

Hind 188,00

Identne EN ISO 1716:2010

ja identne ISO 1716:2010

**Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)**

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

Keel en

Asendab EVS-EN ISO 1716:2002

**EVS-EN ISO 9239-1:2010**

Hind 188,00

Identne EN ISO 9239-1:2010

ja identne ISO 9239-1:2010

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

This part of ISO 9239 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. This part of ISO 9239 is applicable to the measurement and description of the properties of floorings in response to heat and flame under controlled laboratory conditions. It should not be used alone to describe or appraise the fire hazard or fire risk of floorings under actual fire conditions. Information on the precision of the test method is given in Annex B.

Keel en

Asendab EVS-EN ISO 9239-1:2002

**EVS-EN ISO 14122-4:2004/A1:2010**

Hind 92,00

Identne EN ISO 14122-4:2004/A1:2010

ja identne ISO 14122-4:2004/Amd 1:2010

**Masinate ohutus. Püsijuurdepääsuvahendid masinatele. Osa 4: Püsipaigaldusega redelid (ISO 14122-4:2004)**

This standard applies to all machinery (stationary and mobile) where fixed means of access are necessary. The purpose of this standard is to define the general requirements for safe access to machines mentioned in EN ISO 12100-2. EN ISO 14122-1 gives advice about the correct choice of access means when the necessary access to the machine is not possible directly from the ground level or from a floor. This standard applies to fixed ladders, which are a part of a machine.

Keel en

### **EVS-EN ISO 20685:2010**

Hind 178,00

Identne EN ISO 20685:2010

ja identne ISO 20685:2010

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

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

Keel en

Asendab EVS-EN ISO 20685:2005

### **EVS-EN ISO 21258:2010**

Hind 219,00

Identne EN ISO 21258:2010

ja identne ISO 21258:2010

#### **Stationary source emissions - Determination of the mass concentration of dinitrogen monoxide - Reference method: Non-dispersive infrared method**

This International Standard specifies a method for sampling, sample conditioning and determination of dinitrogen monoxide (N<sub>2</sub>O) content in the flue gas emitted from ducts and stacks to atmosphere. It sets out the non-dispersive infrared (NDIR) analytical technique, including the sampling system and sample gas conditioning system. This International Standard is a reference method for periodic monitoring and for calibration, adjustment or control of automatic monitoring systems permanently installed on a stack. This reference method has been successfully tested on a sewage sludge incinerator where the N<sub>2</sub>O concentration in the flue gas was up to about 200 mg/m<sup>3</sup>.

Keel en

### **EVS-EN ISO 25140:2010**

Hind 209,00

Identne EN ISO 25140:2010

ja identne ISO 25140:2010

#### **Stationary source emissions - Automatic method for the determination of the methane concentration using flame ionisation detection (FID)**

This International Standard specifies the principle, the essential performance criteria, and quality assurance and quality control procedures for an automatic method for measuring methane in the waste gas of stationary sources using flame ionisation detection. It is applicable to measurements of methane in dry or wet waste gases. The method allows continuous monitoring with permanently installed measuring systems as well as intermittent measurements of methane emissions.

Keel en

### **EVS-ENV 1317-4:2010**

Hind 166,00

Identne ENV 1317-4:2001

#### **Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers**

This European Prestandard specifies requirements for the performance of terminals and transitions. It defines performance classes and acceptance criteria for impact tests.

Keel en

Asendatud prEN 1317-8

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

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

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

Asendatud CLC/TS 50131-7:2010

#### **EVS-EN 354:2002**

Identne EN 354:2002

#### **Kõrgelt kukkumise isikukaitsevahendid. Trosstalrepid**

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for non-adjustable and adjustable lanyards. Lanyards conforming to this European Standard are used as connecting elements or components in fall arrest systems specified in prEN 363. Other types of lanyards are specified in EN 358.

Keel en

Asendab EVS-EN 354:1999

Asendatud EVS-EN 354:2010

#### **EVS-EN 530:1999**

Identne EN 530:1994 + AC:1995

#### **Kaitserõivaste materjali hõõrdekindlus. Katsemeetod**

Käesolev Euroopa standard kirjeldab kahte meetodit materjalide hõõrdkulumiskindluse määramiseks üht aparatuuri kasutades. Standard on kasutatav hõõrdkulumisega seonduva standardina, mis käsitleb kaitseriietuse standardite ja tehniliste omadustega seotud küsimusi. Esimene meetod kirjeldab kaitseriietuse materjalide hõõrdkulumiskindluse määramist. Teine meetod kirjeldab nende materjalide, mille testimisproove hiljem kasutatakse allesjäänud kaitseomaduste hindamiseks, abrasiivset eeltöötlemist.

Keel en

Asendatud EVS-EN 530:2010

### **EVS-EN 1317-2:1999**

Identne EN 1317-2:1998

#### **Teepiirdesüsteemid. Osa 2: Põrkpiirete ekspluatatsiooniomaduste klassid, pörkekatseläbimistingimused ja katsemeetodid**

Käesolev Euroopa standard määrab kindlaks pörkpiirete, kaasa arvatud sõiduki kaitseraua pörkeomadustele esitatavad nõuded. Standard määrab eri kaitseastmete ekspluatatsiooniomaduste klassid, pörketesti läbimistingimused ja testimismeetodid. Käesoleva standardi sätted kehtivad selliste süsteemide kohta, millel kaitsmine on ainus funktsioon. Need sätted kehtivad ka süsteemide kohta, millel kaitsefunktsioon on süsteemi lisafunktsioon (näiteks mürabarjäärid ja signalisatsiooniseadmed).

Keel en

Asendatud EVS-EN 1317-2:2010

### **EVS-EN 1317-3:2000**

Identne EN 1317-3:2000

#### **Road restraint systems - Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions**

This European Standard gives requirements for the performance of crash cushions. It defines performance classes and acceptance criteria for impact tests.

Keel en

Asendatud EVS-EN 1317-3:2010

### **EVS-EN 1317-1:1999**

Identne EN 1317-1:1998

#### **Teepiirdesüsteemid. Osa 1: Terminoloogia ja katsemeetodite üldkriteeriumid**

Käesolev Euroopa standard esitab selle standardi muudes osades maanteesõidukite piirdesüsteemide ja jalakäijate piirdesüsteemide käsitlemisel kasutatavate põhimõistete määratlused. Samuti määrab standard kindlaks katsemeetodite üldnormid. Teatmelisad B ja C annavad teavet kokkupörke tagajärjel tekkiva kineetilise energia ja sõiduki kiirenduse kohta.

Keel en

Asendatud EVS-EN 1317-1:2010

### **EVS-EN 1317-2:1999/A1:2006**

Identne EN 1317-2:1998/A1:2006

#### **Teepiirdesüsteemid. Osa 2: Põrkpiirete ekspluatatsiooniomaduste klassid, pörkekatseläbimistingimused ja katsemeetodid**

Käesolev Euroopa standard määrab kindlaks pörkpiirete, kaasa arvatud sõiduki kaitseraua pörkeomadustele esitatavad nõuded. Standard määrab eri kaitseastmete ekspluatatsiooniomaduste klassid, pörketesti läbimistingimused ja testimismeetodid. Käesoleva standardi sätted kehtivad selliste süsteemide kohta, millel kaitsmine on ainus funktsioon. Need sätted kehtivad ka süsteemide kohta, millel kaitsefunktsioon on süsteemi lisafunktsioon (näiteks mürabarjäärid ja signalisatsiooniseadmed).

Keel en

Asendatud EVS-EN 1317-2:2010

### **EVS-EN 1911-2:1999**

Identne EN 1911-2:1998

#### **Heitmed püsiallikatest. Käsitsimeetod HCl määramiseks. Osa 2: Gaasiliste ühendite absorptsioon**

Käesolev Euroopa standard määrab kindlaks meetodi heitgaasides sisalduva vesinikkloriidi absorptsiooniks. Heitgaaside proovid peavad olema võetud ja filtreeritud vastavalt normdokumendile EN 1911-1. Selle tulemusena saadava absorbendilahuse analüüsimisel tuleb lähtuda normdokumendist EN 1911-3.

Keel en

Asendatud EVS-EN 1911:2010

### **EVS-EN 1911-3:1999**

Identne EN 1911-3:1998

#### **Heitmed püsiallikatest. Käsitsimeetod HCl määramiseks. Osa 3: Absorbendi lahuse analüüsimine ja tulemuse arvutamine**

Käesolev Euroopa standard määrab kindlaks meetodid heitgaasides sisalduva vesinikkloriidi absorptsioonil saadud kloriidide analüüsimiseks vastavalt normdokumendile EN 1911-2. Heitgaaside proovide võtmisel ja filtreerimisel tuleb lähtuda normdokumendist EN 1911-1.

Keel en

Asendatud EVS-EN 1911:2010

### **EVS-EN 1911-1:1999**

Identne EN 1911-1:1998

#### **Heitmed püsiallikatest. Käsitsimeetod HCl määramiseks. Osa 1: Gaasiproovi võtmine**

Käesolev Euroopa standard määrab kindlaks meetodi gaaside proovi võtmiseks ja filtreerimiseks, arvestades nende HCl kontsentratsiooni määramist. Järgnevat HCl absorptsiooni ja analüüsimist on kirjeldatud vastavalt normdokumentides EN 1911-2 ja EN 1911-3.

Keel en

Asendatud EVS-EN 1911:2010

### **EVS-EN 1938:1999**

Identne EN 1938:1998

#### **Silmakaitsevahendid. Mootorratturite ja mopeediga sõitjate kaitseprillid**

Käesolev Euroopa standard määrab kindlaks nõuded ja testimismeetodid kaitseprillidele mootorratturite ja mopeediga sõitjate jaoks. Standard ei kehti maastikusõidul ega võistlustel kasutamise kohta.

Keel en

Asendatud EVS-EN 1938:2010

### **EVS-EN 13823:2007**

Identne EN 13823:2002+AC:2009

#### **Ehitustoodete tuletundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

Standard määratleb katsemeetodi määramaks tuletundlikkust ehitustoodetele, välja arvatud põrandakattematerjalid, samuti materjalid, millele on viidatud otsuses 2000/147/EÜ, kui termiline mõjutamine toimub üksiku põleva objekti poolt.

Keel et

Asendab EVS 620-10:1998

Asendatud EVS-EN 13823:2010

## **EVS-EN 13823:2007/AC:2009**

Identne EN 13823:2002

### **Ehitustoodete tuleundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

Standard määratleb katsemeetodi määramaks tuleundlikkust ehitustoodetele, välja arvatud põrandakattematerjalid, samuti materjalid, milledele on viidatud otsuses 2000/147/EÜ, kui termiline mõjutamine toimub üksiku põleva objekti poolt.

Keel et

Asendab EVS 620-10:1998

## **EVS-EN ISO 1716:2002**

Identne EN ISO 1716:2002

ja identne ISO 1716:2002

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

This Standard specifies a method for the determination of the heat of combustion of building products at constant volume in a bomb calorimeter.

Keel en

Asendatud EVS-EN ISO 1716:2010

## **EVS-EN ISO 9239-1:2002**

Identne EN ISO 9239-1:2001

ja identne ISO 9239-1:2002

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

This standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a radiant heat flux radiant gradient in a test chamber, when ignited with a pilot flames.

Keel en

Asendatud EVS-EN ISO 9239-1:2010

## **EVS-EN ISO 20685:2005**

Identne EN ISO 20685:2005

ja identne ISO 20685:2005

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

This International Standard addresses protocols for the use of 3-D surface-scanning systems in the acquisition of human body shape data and measurements defined in ISO 7250 that can be extracted from 3-D scans. It does not apply to instruments that measure the location and/or motion of individual landmarks.

Keel en

Asendatud EVS-EN ISO 20685:2010

## **EVS-ISO 1996-2:2006/A1:2006**

ja identne ISO 1996-2:1987/Amd.1:1998

### **Acoustics — Description and measurement of environmental noise — Part 2: Acquisition of data pertinent to land use Amendment 1**

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 61496-1:2004/FprA2**

Identne EN 61496-1:2004/FprA2:2010

ja identne IEC 61496-1:2004/A2:201X

Tähtaeg 29.11.2010

### **Masinate ohutus. Elektritundlik kaitseseadmestik.**

#### **Osa 1: Üldnõuded ja katsed**

specifies general requirements for the design, construction and testing of non-contact electro-sensitive protective equipment (ESPE) designed specifically to detect persons as part of a safety related system. Special attention is directed to functional and design requirements that ensure an appropriate safety-related performance is achieved. An ESPE may include optional safety-related functions, the requirements for which are given in Annex A.

Keel en

### **FprEN 15269-10**

Identne FprEN 15269-10:2010

Tähtaeg 29.11.2010

#### **Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies including their elements of building hardware - Part 10: Fire resistance of steel rolling shutter assemblies**

This Part of prEN 15269, which should be read in conjunction with EN 15269-1, covers the following types of steel rolling shutter assemblies: un-insulated manually operated shutters, un-insulated powered shutters, insulated manually operated shutters and insulated powered shutters. This document prescribes the methodology for extending the application of test results obtained from test(s) conducted in accordance with EN 1634-1. Subject to the completion of the appropriate test or tests selected from those identified in Clause 4 the extended application may cover all or some of the following non-exhaustive list: - Integrity only (E), radiation (EW) or insulated (EI1 or EI2) classifications; - shutter curtain; - wall/ceiling fixed elements (frame/suspension system); - decorative finishes; - intumescent, smoke, draught or acoustic seals; - alternative supporting construction(s).

Keel en

### **FprEN ISO 12952-2**

Identne FprEN ISO 12952-2:2010

ja identne ISO 12952-2:2010

Tähtaeg 29.11.2010

#### **Textiles — Assessment of the ignitability of bedding items — Part 2: Ignition source: match flame equivalent**

This part of ISO 12952 specifies tests for assessing the ignitability of all bedding items when subjected to a match-flame equivalent. This part of ISO 12952 applies to bedding items, which can normally be placed on a mattress, for example: - mattress covers; - underlays; - incontinence sheets and pads; - sheets; - blankets; - electric blankets; - quilts (duvets) and covers; - pillows (whatever the filling) and bolsters; - pillowcases. This part of ISO 12952 does not apply to mattresses, bed bases and mattress pads.

Keel en

Asendab EVS-EN ISO 12952-3:2001; EVS-EN ISO 12952-4:2001



## **prEN 1317-8**

Identne prEN 1317-8 rev:2010

Tähtaeg 29.11.2010

### **Road restraint systems - Part 8: Motorcycle road restraint systems which reduce the impact severity of motorcyclist collisions with safety barriers**

This part of the European standard shall be read in conjunction with EN 1317 Parts 1 and 2. These parts of the standard all support EN 1317-5. This part of the standard specifies requirements for the impact performance of PTW rider protection systems to be fitted to barriers or for the rider protection aspect of a barrier itself. It excludes the assessment of the vehicle restraint capabilities of barriers and the risk that they represent to the occupants of impacting cars. The performance of impacting vehicles must be assessed according to EN 1317-1 and 2. This part of the standard defines performance classes taking into account rider speed classes, impact severity and the working width of the system with respect to rider impacts. For systems designed to be added to a standard barrier, the test results are valid only when the system is fitted to the model of barrier used in the tests. EN 1317-5 describes how it may be determined whether other barrier models are sufficiently similar to the barrier tested to allow their use in conjunction with the tested system without the need for additional testing. Guidelines for making this judgement are given in Annex G.

Keel en

## **prEN 13205**

Identne prEN 13205:2010

Tähtaeg 29.11.2010

### **Workplace exposure - Assessment of sampler performance for measurement of airborne particle concentrations**

This European Standard specifies methods for testing aerosol samplers under prescribed laboratory conditions, and performance requirements that are specific to aerosol samplers. These performance requirements, which include conformity with the EN 481 sampling conventions, apply only to the process of sampling the airborne particles from the air, not to the process of analysing particles collected by the process of sampling. Although analysis of samples collected in the course of testing is usually necessary in order to evaluate the sampler performance, the specified test methods ensure that analytical errors are kept very low during testing and do not contribute significantly to the end result. The determination of analytical errors and factors related to them (for example the bias, precision and limit of detection of the analytical method) is outside the scope of this standard. Where the aerosol sampler requires the use of an external (rather than integral) pump, the pump is not subject to the requirements of this standard. EN 482 contains general performance requirements for methods used for determining the concentrations of chemical agents in workplace atmospheres. These performance requirements include maximum values of expanded uncertainty (a combination of random and non-random measurement uncertainty) achievable under prescribed laboratory conditions for the methods to be used. The requirements of EN 482 apply to a complete measurement procedure, a combination of the stages consisting of sampling, sample transport/storage and sample preparation/analysis. This standard specifies how the performance of aerosol measurement procedures is assessed with respect to the general requirements of EN 482, through the combination of errors arising in the sampling, sample transportation/storage and sample preparation/analysis stages. This standard applies to all samplers used for the health-related sampling of particles in workplace air, whatever their mode of operation. Different test procedures and types of evaluation are included to enable application of this standard to a wide variety of instruments. The standard shall enable manufacturers and users of aerosol sampling instruments to adopt a consistent approach to sampler validation, and provide a framework for the assessment of sampler performance with respect to EN 481 and EN 482. It is the responsibility of the manufacturer of aerosol samplers to inform the user of the sampler performance under the laboratory conditions<sup>1)</sup> specified in this European Standard. It is the responsibility of the user to ensure that the sampler complies with the overall uncertainty requirements of EN 482 under the actual conditions of use.

Keel en

Asendab EVS-EN 13205:2002

#### prEN 14043

Identne prEN 14043:2010

Tähtaeg 29.11.2010

#### Kõrghoonetes kasutatavad tuletõrjeteenistuste teleskooppäästeseadmed. Kombineeritud liikumisega pöördredelid. Ohutus- ja toimivusnõuded ja katsemeetodid

This European Standard specifies the safety and performance requirements and test methods applicable to turntable ladders with combined movements of classes 18, 24 and 30, as defined in 3.13, under the control of fire-fighters and intended for fire fighting and rescuing people.

Keel en

Asendab EVS-EN 14043:2005+A1:2009

#### prEN 14044

Identne prEN 14044:2010

Tähtaeg 29.11.2010

#### Kõrghoonetes kasutatavad tuletõrjeteenistuste teleskooppäästeseadmed. Järjestikuse liikumisega pöördredelid. Ohutus- ja toimivusnõuded ja katsemeetodid

This European Standard specifies the safety and performance requirements and test methods applicable to turntable ladders with sequential movements of classes 18, 24 and 30, as defined in 3.13, under the control of fire-fighters and intended for fire fighting and rescuing people.

Keel en

Asendab EVS-EN 14044:2005+A1:2009

#### prEN 16164

Identne prEN 16164:2010

Tähtaeg 29.11.2010

#### Water quality - Guidance standard for designing and selecting taxonomic keys

This guidance standard defines standard principles for the design of taxonomic keys to ensure proper use of nomenclatural rules and reproducible and traceable identification. These principles also allow for the selection of the best key available.

Keel en

#### prEN ISO 16000-26

Identne prEN ISO 16000-26:2010

ja identne ISO/DIS 16000-26:2010

Tähtaeg 29.11.2010

#### Indoor air - Part 26: Sampling strategy for carbon dioxide (CO<sub>2</sub>)

This part of ISO 16000 specifies the planning of carbon dioxide indoor pollution measurements. In the case of indoor air measurements, the careful planning of sampling and the entire measurement strategy are of particular significance since the result of the measurement may have far-reaching consequences, for example, with regard to ascertaining the need for remedial action or the success of such an action. An inappropriate measurement strategy may lead to misrepresentation of the true conditions or, worse, to erroneous results. This part of ISO 16000 concerns measurement strategy for determining carbon dioxide (CO<sub>2</sub>) in indoor air but not for carbon monoxide (CO) (see 5.1).

Keel en

## 17 METROLOOGIA JA MÕÕTMINE. FÜSIKALISED NÄHTUSED

### UUED STANDARDID JA PUBLIKATSIOONID

#### CEN/TR 15760:2010

Hind 188,00

Identne CEN/TR 15760:2010

#### Heat meters - Checklist documenting the relationship between the Directive 2004/22/EC (MID) and EN 1434:2007

This Technical Report constitutes a checklist to show the appropriate coverage of the relevant Essential Requirements for Heat Meters in the Measuring Instrument Directive 2004/22/EC with the technical solutions in EN 1434:2007. The checklist indicates that in EN 1434 you have standardized solutions that: - are one way of showing conformity to the MID; - make it possible to combine sub-assemblies of different brands; - make it possible to replace an installed sub-assembly with a sub-assembly of another brand.

Keel en

#### EVS 745:2010

Hind 198,00

#### Kauba ja materjali massi mõõtmine kaalumise ja mõõtemetoodika

Käesolev Eesti standard käsitleb kauba ja materjalide massi mõõtmist kaalu abil ning saadud mõõdistest massi ja mõõteobjekti tiheduse tabeliandmete põhjal mahu mõõtetulemuse ja selle mõõtemääramatuse arvutamist. Standardi mõõtemetoodika kirjeldab kauba, materjalide massi ja mahu mõõtmist kaalu abil ladudes, kauplustes, tollis, müügitehingutes ja muudel analoogilistel juhtudel. Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes ning sõidukite massi (või teljekoormuse) kontrollimisel.

Keel et

Asendab EVS 745:1998

#### EVS 746:2010

Hind 114,00

#### Tükikauba koguse mõõtmine. Mõõtemetoodika

Käesolev Eesti standard käsitleb kauba koguse mõõtmist tükikauba loendamise teel ning (vajadusel) tükikauba kaubapartii kogumassi või -mahu väärtuse ja selle mõõtemääramatuse arvutamist tükikauba massi või mahu väärtuste põhjal. Standardi mõõtemetoodika kirjeldab tükikauba loendamist, kaubapartii kogumassi või -mahu väärtuse arvutamist ladudes, kauplustes, müügitehingutes, tollis ja muudel analoogilistel juhtudel. Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi ja mahu mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes.

Keel et

Asendab EVS 746:1998

**EVS-EN ISO 286-2:2010**

Hind 256,00

Identne EN ISO 286-2:2010

ja identne ISO 286-2:2010

**Geometrical product specifications (GPS) - ISO code system for tolerances on linear sizes - Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts**

This part of ISO 286 gives values of the limit deviations for commonly used tolerance classes for holes and shafts calculated from the tables given in ISO 286-1. This part of ISO 286 covers values for the upper limit deviations ES (for holes) and es (for shafts), and the lower limit deviations EI (for holes) and ei (for shafts) (see Figures 1 and 2). The ISO system for tolerances on linear size provides a system of tolerances and deviations suitable for features of the following types: a) cylinders; b) two parallel opposite surfaces. For simplicity, and also because of the importance of cylindrical workpieces of circular section, only these are referred to explicitly. It should be clearly understood, however, that the tolerances and deviations given in this part of ISO 286 equally apply to workpieces of other than circular sections. In particular, the term "hole" or "shaft" is used to designate features of the cylinder type (e.g. for the tolerancing of the diameter of a hole or shaft) and, for simplicity, these terms are also used for two parallel opposite surfaces (e.g. for the tolerancing of the thickness of a key or the width of a slot). For further information on terminology, symbols, the basis of the system, etc., see ISO 286-1.

Keel en

Asendab EVS-EN 20286-2:1999

**EVS-EN ISO 7779:2010**

Hind 271,00

Identne EN ISO 7779:2010

ja identne ISO 7779:2010

**Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment**

This International Standard specifies procedures for measuring and reporting the noise emission of information technology and telecommunications equipment. NOTE 1 This International Standard is considered part of a noise test code (see 3.1.2) for this type of equipment, and is based on basic noise emission standards (see 3.1.1) ISO 3741, ISO 3744, ISO 3745 and ISO 11201. The basic emission quantity is the A-weighted sound power level which may be used for comparing equipment of the same type but from different manufacturers, or for comparing different equipment. Three basic noise emission standards for determination of the sound power levels are specified in this International Standard in order to avoid undue restriction on existing facilities and experience. ISO 3741 specifies comparison measurements in a reverberation test room; ISO 3744 and ISO 3745 specify measurements in an essentially free field over a reflecting plane. Any one of these three basic noise emission standards can be selected and used exclusively in accordance with this International Standard when determining sound power levels of a machine. The A-weighted sound power level is supplemented by the A-weighted emission sound pressure level determined at the operator position(s) or the bystander positions, based on basic noise emission standard ISO 11201. This sound pressure level is not a worker's immission rating level, but it can assist in identifying any potential problems that could cause annoyance, activity interference, or hearing damage to operators and bystanders. Methods for determination of whether the noise emission includes prominent discrete tones or is impulsive in character are specified in Annexes D and E, respectively. This International Standard is suitable for type tests and provides methods for manufacturers and testing laboratories to obtain comparable results. The methods specified in this International Standard allow the determination of noise emission levels for a functional unit (see 3.1.4) tested individually. The procedures apply to equipment which emits broad-band noise, narrow-band noise and noise which contains discrete-frequency components, or impulsive noise. The sound power and emission sound pressure levels obtained can serve noise emission declaration and comparison purposes (see ISO 9296). NOTE 2 The sound power and emission sound pressure levels obtained are not to be considered as installation noise immission levels; however, they can be used for installation planning (see ECMA TR/27[4]). If sound power levels obtained are determined for a number of functional units of the same production series, they can be used to determine a statistical value for that production series (see ISO 9296).

Keel en

Asendab EVS-EN ISO 7779:2002

**EVS-EN ISO 25178-601:2010**

Hind 166,00

Identne EN ISO 25178-601:2010

ja identne ISO 25178-601:2010

**Geometrical product specifications (GPS) - Surface texture: Areal - Part 601: Nominal characteristics of contact (stylus) instruments**

This part of ISO 25178 defines the metrological characteristics of contact (stylus) areal surface texture measuring instruments.

Keel en

**EVS-EN ISO 25178-602:2010**

Hind 209,00

Identne EN ISO 25178-602:2010

ja identne ISO 25178-602:2010

**Geometrical product specifications (GPS) - Surface texture: Areal - Part 602: Nominal characteristics of noncontact (confocal chromatic probe) instruments**

This part of ISO 25178 defines the design and metrological characteristics of a particular non-contact instrument for measuring surface texture using a confocal chromatic probe based on axial chromatic dispersion of white light.

Keel en

**EVS-EN ISO 25178-701:2010**

Hind 188,00

Identne EN ISO 25178-701:2010

ja identne ISO 25178-701:2010

**Geometrical product specifications (GPS) - Surface texture: Areal - Part 701: Calibration and measurement standards for contact (stylus) instruments**

This part of ISO 25178 specifies - the characteristics of material measures used as measurement standards, - the estimation methods of the residual errors, and - the calibration methods and tests for acceptance and periodical re-verification for areal surface texture contact (stylus) measurement instruments.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS 745:1998**

ja identne EVS 745:1998

**Kauba ja materjali massi mõõtmine kaalumise ja mõõtemetoodika**

Standard käsitleb kauba ja materjalide massi mõõtmist kaalude abil ning saadud mõõdistest mõõtetulemuse ja selle määramatuse arvutamist.

Keel et

Asendatud EVS 745:2010

**EVS 746:1998**

ja identne EVS 746:1998

**Tükikauba koguse mõõtmine. Mõõtemetoodika**

Standard käsitleb kauba koguse mõõtmist tükikauba loendamise teel ning kaubapartii kogu massi või mahu arvutamist kauba dokumentides toodud tükikauba massi või mahu väärtuse põhjal. Antakse juhised saadud tulemusele mõõtemääramatuse leidmiseks.

Keel et

Asendatud EVS 746:2010

**EVS-EN 13798:2002**

Identne EN 13798:2002

**Hydrometry - Specification for a reference rain gauge pit**

This European Standard specifies the design of a reference rain gauge pit. The specified details of the pit and the grating, are purposely kept to a minimum in order to allow each rain gauge operator latitude in their construction and to suit local conditions

Keel en

Asendatud EVS-EN 13798:2010

**EVS-EN 20286-2:1999**

Identne EN 20286-2:1999

ja identne ISO 286-2:1988

**ISO piirväärtuste ja istude süsteem. Osa 2: Avade ja võllide standardsete tolerantsimäärade ja piirhälvete tabelid**

Käesolev standardi ISO 286 osa esitab üldkasutatavate tolerantsiklasside piirhälvete väärtused, mis kehtivad käesoleva standardi osas 1 toodud info alusel arvatud avade ja võllide väärtuste puhul. Käesoleva standardi ISO 286 osa käsitleb ülemiste hälvete "ES" (avad) ja "es" (võllid) ning alumiste hälvete "EI" (avad) ja "ei" (võllid) väärtusi.

Keel en

Asendatud EVS-EN ISO 286-2:2010

**EVS-EN ISO 7779:2002/A1:2004**

Identne EN ISO 7779:2001/A1:2003

ja identne ISO 7779:1999/A1:2003

**Akustika. Infotehnoloogia ja telekommunikatsiooniseadmete õhumüra mõõtmine. Muudatus 1: Müra mõõtmise spetsifikatsioon CD/DVDROM seadmetel**

Standard määrab kindlaks meetmed infotehnoloogia ja telekommunikatsiooniseadmete müra mõõtmiseks ja protokollimiseks. Standard põhineb standardites ISO 3740, ISO 3741, ISO 3742, ISO 3744 ja ISO 3745 esitatud mõõtmisprotseduuridel. Põhiline emissiooni suuruse näitaja on A-sageduskorrektsiooniga mõõdetud helivõimsustase, mida saab kasutada kas eri tootjate samatüübiliste seadmete võrdlemiseks või erisuguste seadmete võrdlemiseks.

Keel en

**EVS-EN ISO 7779:2002**

Identne EN ISO 7779:2001

ja identne ISO 7779:1999

**Akustika. Infotehnoloogia ja telekommunikatsiooniseadmete õhumüra mõõtmine**

Standard määrab kindlaks meetmed infotehnoloogia ja telekommunikatsiooniseadmete müra mõõtmiseks ja protokollimiseks. Standard põhineb standardites ISO 3740, ISO 3741, ISO 3742, ISO 3744 ja ISO 3745 esitatud mõõtmisprotseduuridel. Põhiline emissiooni suuruse näitaja on A-sageduskorrektsiooniga mõõdetud helivõimsustase, mida saab kasutada kas eri tootjate samatüübiliste seadmete võrdlemiseks või erisuguste seadmete võrdlemiseks.

Keel en

Asendab EVS-EN 27779:1999

Asendatud EVS-EN ISO 7779:2010

## **EVS-ISO 1996-2:2006**

ja identne ISO 1996-2:1987

### **Acoustics - Description and measurement of environmental noise; Part 2 : Acquisition of data pertinent to land use.**

This part of ISO 1996 describes methods for the acquisition of data which provide descriptors that enable a) a description of the environmental noise in a specified area of land to be made in a uniform way; b) the compatibility of any land use activity or projected activity to be assessed with respect to existing or predicted noise.

Keel en

## **EVS-ISO 1996-3:2006**

ja identne ISO 1996-3:1987

### **Acoustics - Description and measurement of environmental noise - Part 3 : Application to noise limits**

This part of ISO 1996 lays down guidelines for the specification of noise limits and describes methods for the acquisition of data that enable specific noise situations to be checked for compliance with specified noise limits.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 61672-1**

Identne FprEN 61672-1:2010

ja identne IEC 61672-1:201X

Tähtaeg 29.11.2010

#### **Electroacoustics - Sound level meters - Part 1: Specifications**

This standard gives electroacoustical performance specifications for three kinds of sound measuring instruments: - a time-weighting sound level meter that measures exponential-time-weighted, frequency weighted sound levels; - an integrating-averaging sound level meter that measures time-averaged, frequency weighted sound levels; and - an integrating sound level meter that measures frequency-weighted sound exposure levels.

Keel en

Asendab EVS-EN 61672-1:2003

### **FprEN 61672-2**

Identne FprEN 61672-2:2010

ja identne IEC 61672-2:201X

Tähtaeg 29.11.2010

#### **Electroacoustics - Sound level meters - Part 2: Pattern evaluation tests**

This part of IEC 61672 provides details of the tests necessary to verify conformance to all mandatory specifications given in IEC 61672-1 for time-weighting sound level meters, integrating-averaging sound level meters, and integrating sound level meters. Pattern evaluation tests apply for each channel of a multi-channel sound level meter, as necessary. Tests and test methods are applicable to class 1 and class 2 sound level meters. The aim is to ensure that all testing laboratories use consistent methods to perform pattern evaluation tests.

Keel en

Asendab EVS-EN 61672-2:2003

## **FprEN 61672-3**

Identne FprEN 61672-3:2010

ja identne IEC 61672-3:201X

Tähtaeg 29.11.2010

### **Electroacoustics - Sound level meters - Part 3: Periodic tests**

This second edition of IEC 61672-3 describes procedures for periodic testing of time weighting, integrating-averaging, and integrating sound level meters that were designed to conform to the class 1 or class 2 specifications of the second edition of IEC 61672-1. The aim of the standard is to ensure that periodic testing is performed in a consistent manner by all calibration laboratories.

Keel en

Asendab EVS-EN 61672-3:2007

### **FprEN 61987-11**

Identne FprEN 61987-11:2010

ja identne IEC 61987-11:201X

Tähtaeg 29.11.2010

#### **Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 11: Lists of properties (LOP) of measuring equipment for electronic data exchange - Generic structures**

This standard provides - a characterisation of industrial process measuring equipment (device type dictionary) for integration in the Component Data Dictionary (CDD) and - generic structures for Operating Lists of Properties (OLOP) and Device Lists of Properties (DLOP) of measuring equipment in conformance with IEC 61987-10. The generic structures for the OLOP and DLOP contain the most important blocks for process measuring equipment. Blocks pertaining to a specific equipment type will be described in the corresponding part of the IEC 61987 standard series. Similarly, equipment properties are not part of IEC 61987 Part 11. For instance, the OLOP and DLOP for flow transmitters with blocks and properties are to be found in IEC 61987 Part 12.

Keel en

### **FprEN 62585**

Identne FprEN 62585:2010

ja identne IEC 62585:201X

Tähtaeg 29.11.2010

#### **Electroacoustics - Methods to determine corrections to obtain the free-field response of a sound level meter**

This International Standard provides information on the corrections required over a range of frequencies in order for a periodic test of a sound level meter to be performed according to IEC 61672-3. These corrections include: - corrections for the typical effects of reflections from the case of the sound level meter and diffraction of sound around the microphone - corrections for the deviation of the typical microphone frequency response from a uniform frequency response, where the actual microphone response cannot be measured - corrections for the influence on the frequency response of a typical microphone of a specified windscreen and any other accessory if the sound level meter is submitted for periodic testing with these items.

Keel en

## **FprEN ISO 11664-1**

Identne FprEN ISO 11664-1:2010

ja identne ISO 11664-1:2007

Tähtaeg 29.11.2010

### **Colorimetry - Part 1: CIE standard colorimetric observers**

This International Standard specifies colour-matching functions for use in colorimetry. Two sets of colour-matching functions are specified. a) Colour-matching functions for the CIE 1931 standard colorimetric observer This set of colour-matching functions is representative of the colour-matching properties of observers with normal colour vision for visual field sizes of angular subtense from about 1° to about 4°, for vision at photopic levels of adaptation. b) Colour-matching functions for the CIE 1964 standard colorimetric observer This set of colour-matching functions is representative of the colour-matching properties of observers with normal colour vision for visual field sizes of angular subtense greater than about 4°, for vision at sufficiently high photopic levels and with spectral power distributions such that no participation of the rod receptors of the retina is to be expected.

Keel en

## **FprEN ISO 11664-2**

Identne FprEN ISO 11664-2:2010

ja identne ISO 11664-2:2007

Tähtaeg 29.11.2010

### **Colorimetry - Part 2: CIE standard illuminants**

This International Standard specifies two illuminants for use in colorimetry. The illuminants, which are defined in clauses 4 and 5 of this International Standard, are as follows: a) CIE standard illuminant A This is intended to represent typical, domestic, tungsten-filament lighting. Its relative spectral power distribution is that of a Planckian radiator at a temperature of approximately 2 856 K. CIE standard illuminant A should be used in all applications of colorimetry involving the use of incandescent lighting, unless there are specific reasons for using a different illuminant. b) CIE standard illuminant D65 This is intended to represent average daylight and has a correlated colour temperature of approximately 6 500 K. CIE standard illuminant D65 should be used in all colorimetric calculations requiring representative daylight, unless there are specific reasons for using a different illuminant. Variations in the relative spectral power distribution of daylight are known to occur, particularly in the ultraviolet spectral region, as a function of season, time of day, and geographic location. However, CIE standard illuminant D65 should be used pending the availability of additional information on these variations. Values for the relative spectral power distribution of CIE standard illuminants A and D65 are given in Table 1 of this International Standard. Values are given at 1 nm intervals from 300 nm to 830 nm. The term "illuminant" refers to a defined spectral power distribution, not necessarily realizable or provided by an artificial source. Illuminants are used in colorimetry to compute the tristimulus values of reflected or transmitted object colours under specified conditions of illumination. The CIE has also defined illuminant C and other illuminants D. These illuminants are described in Publication CIE 15:2004 but they do not have the status of primary CIE standards accorded to the CIE standard illuminants A and D65 described in this International Standard. It is recommended that one of the two CIE standard illuminants defined in this International Standard be used wherever possible. This will greatly facilitate the comparison of published results. It is noted that in the fields of graphic arts and photography extensive use is also made of CIE illuminant D50. In most practical applications of colorimetry, it is sufficient to use the values of CIE standard illuminants A and D65 at less frequent wavelength intervals or in a narrower spectral region than defined in this Standard. Data and guidelines that facilitate such practice are provided in Publication CIE 15:2004, together with other recommended procedures for practical colorimetry. The term "source" refers to a physical emitter of light, such as a lamp or the sky. In certain cases, the CIE recommends laboratory sources that approximate the spectral power distributions of CIE illuminants. In all cases, however, the definition of a CIE recommended source is secondary to the definition of the corresponding CIE illuminant, because of the possibility that, from time to time, new developments will lead to improved sources that represent a particular illuminant more accurately or are more suitable for laboratory use. Subclause 6.1 of this International Standard describes CIE source A, which is recommended for laboratory realizations of CIE standard illuminant A. At present, there is no CIE recommended source representing CIE standard illuminant D65.

Keel en

#### **FprEN ISO 11664-4**

Identne FprEN ISO 11664-4:2010

ja identne ISO 11664-4:2008

Tähtaeg 29.11.2010

#### **Colorimetry - Part 4: CIE 1976 L\*a\*b\* Colour space**

This CIE Standard specifies the method of calculating the coordinates of the CIE 1976 L\*a\*b\* colour space including correlates of lightness, chroma and hue. It includes two methods for calculating Euclidean distances in this space to represent the perceived magnitude of colour differences. The Standard is applicable to tristimulus values calculated using colour-matching functions of the CIE 1931 standard colorimetric system or the CIE 1964 standard colorimetric system. The Standard may be used for the specification of colour stimuli perceived as belonging to a reflecting or transmitting object, where a three-dimensional space more uniform than tristimulus space is required. It does not apply to colour stimuli perceived as belonging to an area that appears to be emitting light as a primary light source, or that appears to be specularly reflecting such light. This Standard does apply to self-luminous displays, like cathode ray tubes, if they are being used to simulate reflecting or transmitting objects and if the stimuli are appropriately normalized.

Keel en

#### **FprEN ISO 11664-5**

Identne FprEN ISO 11664-5:2010

ja identne ISO 11664-5:2009

Tähtaeg 29.11.2010

#### **Colorimetry - Part 5: CIE 1976 L\*u\*v\* Colour space and u', v' uniform chromaticity scale diagram**

This CIE Standard specifies the method of calculating the coordinates of the CIE 1976 L\*u\*v\* colour space including correlates of lightness, chroma, saturation and hue. It includes two methods for calculating Euclidean distances in this space to represent the relative perceived magnitude of colour differences. It also specifies the method of calculating the coordinates of the u',v' uniform chromaticity scale diagram. The Standard is applicable to tristimulus values calculated using the colour-matching functions of the CIE 1931 standard colorimetric system or the CIE 1964 standard colorimetric system. The Standard may be used for the specification of colour stimuli perceived as belonging to a reflecting or transmitting object, where a three-dimensional space more uniform than tristimulus space is required. This includes self-luminous displays, like cathode ray tubes, if they are being used to simulate reflecting or transmitting objects and if the stimuli are appropriately normalized. The Standard, as a whole, does not apply to colour stimuli perceived as belonging to an area that appears to be emitting light as a primary light source, or that appears to be specularly reflecting such light. Only the u',v' chromaticity diagram defined in Section 4.1 and the correlates of hue and saturation defined in Section 4.3 apply to such colour stimuli.

Keel en

## **19 KATSETAMINE**

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-IEC 60605-3-1:2006**

ja identne IEC 60605-3-1:1986

#### **Equipment reliability testing. Part 3: Preferred test conditions. Indoor portable equipment - Low degree of simulation**

Applies to indoor portable equipment operated in a stationary position with a low degree of simulation. Contains preferred test conditions given in IEC 605-1.

Keel en

#### **EVS-IEC 60605-3-2:2006**

ja identne IEC 60605-3-2:1986

#### **Equipment reliability testing. Part 3: Preferred test conditions. Equipment for stationary use in weatherprotected locations - High degree of simulation**

Applies to equipment for stationary use in weatherprotected locations and in temperate climates. Contains preferred test conditions given in IEC 605-1.

Keel en

#### **EVS-IEC 60605-3-4:2006**

ja identne IEC 60605-3-4:1992

#### **Equipment reliability testing - Part 3: Preferred test conditions - Section 4: Test cycle 4: Equipment for portable and non-stationary use - Low degree of simulation**

This section is applicable to portable equipment for non-stationary use covered by IEC 60721-3-7. The degree of simulation is low. Contains preferred test conditions as given in IEC 60605-1. During exposure to the test conditions, the test items should be monitored according to 9.1 of IEC 60605-1. The test cycle provided here is not intended to replace tests for other purposes, such as qualification tests, functional performance tests, environmental tests and tests aiming at the verification of the ability to survive or function during extreme conditions of storage, transportation or use.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 60068-2-57:2002/FprA1**

Identne EN 60068-2-57:2000/FprA1:2010

ja identne IEC 60068-2-57:1999/A1:201X

Tähtaeg 29.11.2010

#### **Environmental testing - Part 2-57: Tests - Test Ff: Vibration - Time-history method**

This standard provides a standard procedure for determining, by the time-history method, the ability of a specimen to withstand specified severities of transient vibration.

Keel en

#### **FprEN 60068-2-55**

Identne FprEN 60068-2-55:2010

ja identne IEC 60068-2-55:201X

Tähtaeg 29.11.2010

#### **Environmental testing - Part 2-55: Tests - Test Ee and guidance: Loose cargo testing including bounce**

This part of IEC 60068 provides a standard procedure for determining the ability of a specimen to withstand specified severities of bounce, e. g. when transported as loose cargo on wheeled vehicles. This test is primarily intended for specimens prepared for transportation, including specimens in their transport case when the latter may be considered as part of the specimen itself or packages. This test shall not be used as a low-frequency vibration test. Although primarily intended for electrotechnical products, this standard is not restricted to them and may be used in other fields where desired. This standard is to be used in conjunction with IEC 60068-1.

Keel en

Asendab EVS-EN 60068-2-55:2002

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

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-IEC 60605-3-1:2006**

ja identne IEC 60605-3-1:1986

#### **Equipment reliability testing. Part 3: Preferred test conditions. Indoor portable equipment - Low degree of simulation**

Applies to indoor portable equipment operated in a stationary position with a low degree of simulation. Contains preferred test conditions given in IEC 605-1.

Keel en

#### **EVS-IEC 60605-3-2:2006**

ja identne IEC 60605-3-2:1986

#### **Equipment reliability testing. Part 3: Preferred test conditions. Equipment for stationary use in weatherprotected locations - High degree of simulation**

Applies to equipment for stationary use in weatherprotected locations and in temperate climates. Contains preferred test conditions given in IEC 605-1.

Keel en

#### **EVS-IEC 60605-3-4:2006**

ja identne IEC 60605-3-4:1992

#### **Equipment reliability testing - Part 3: Preferred test conditions - Section 4: Test cycle 4: Equipment for portable and non-stationary use - Low degree of simulation**

This section is applicable to portable equipment for non-stationary use covered by IEC 60721-3-7. The degree of simulation is low. Contains preferred test conditions as given in IEC 60605-1. During exposure to the test conditions, the test items should be monitored according to 9.1 of IEC 60605-1. The test cycle provided here is not intended to replace tests for other purposes, such as qualification tests, functional performance tests, environmental tests and tests aiming at the verification of the ability to survive or function during extreme conditions of storage, transportation or use.

Keel en

#### **EVS-IEC 60706-1:2006**

ja identne IEC 60706-1:1982

#### **Guide on maintainability of equipment. Part 1 - Sections One, Two and Three. Introduction, requirements and maintainability programme**

Describes the concept of maintainability, defines the general approach and gives the objectives of maintainability. Gives the maintainability requirements for specifications and contracts and describes the contents of maintainability programmes. Sections 1 and 3 are replaced by IEC 60300-3-10 (2000).

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN ISO 10510**

Identne FprEN ISO 10510:2010

ja identne ISO/FDIS 10510:2010

Tähtaeg 29.11.2010

#### **Tapping screw and washer assemblies with plain washers**

This International Standard specifies the requirements for tapping screws and plain washer assemblies with spaced threads from ST2,2 to ST9,5 inclusive, flat seating heads and mechanical properties as specified in ISO 2702. The plain washers are captive, i.e. prevented from disassembly and free to rotate.

Keel en

Asendab EVS-EN ISO 10510:2000

#### **FprEN ISO 14585**

Identne FprEN ISO 14585:2010

ja identne ISO/FDIS 14585:2010

Tähtaeg 29.11.2010

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

This International Standard specifies the characteristics of hexalobular socket pan head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 1478, ISO 2702, ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14585:2002

#### **FprEN ISO 14586**

Identne FprEN ISO 14586:2010

ja identne ISO/FDIS 14586:2010

Tähtaeg 29.11.2010

#### **Hexalobular socket countersunk head tapping screws**

This International Standard specifies the characteristics of hexalobular socket pan head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 1478, ISO 2702, ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14586:2002



### **FprEN ISO 14587**

Identne FprEN ISO 14587:2010  
ja identne ISO/FDIS 14587:2010  
Tähtaeg 29.11.2010

#### **Hexalobular socket raised countersunk (oval) head tapping screws**

This International Standard specifies the characteristics of hexalobular socket raised countersunk (oval) head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive. If, in special cases, specifications other than those listed in this International Standard are required, they can be selected from existing International Standards, for example ISO 1478, ISO 2702, ISO 4759-1.

Keel en

Asendab EVS-EN ISO 14587:2002

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

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TS 21003-7:2008/A1:2010**

Hind 68,00

Identne CEN ISO/TS 21003-7:2008/A1:2010

#### **Multilayer piping systems for hot and cold water installations inside buildings - Part 7: Guidance for the assessment of conformity - Amendment 1**

This Technical Specification is applicable, in conjunction with the other parts of ISO 21003 (see Foreword), to multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water — whether or not the water is intended for human consumption (domestic systems) or for heating systems — under specified design pressures and temperatures appropriate to the class of application (see Table 1 of ISO 21003-1:2008). It gives guidance for the assessment of conformity, to be included in the manufacturer's quality plan as part of the quality system. It includes: - requirements for materials, components, joints and assemblies given in the applicable part(s) of ISO 21003; - requirements for the manufacturer's quality system (e.g. ISO 9001 [2]); - definitions and procedures to be used if third-party certification is involved.

Keel en

#### **CEN/TR 15729:2010**

Hind 114,00

Identne CEN/TR 15729:2010

#### **Plastics piping systems - Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) - Report on the determination of mean abrasion after a defined number of test cycles**

This Technical Report describes a method for determining the mean abrasion of the inner surface of glass-reinforced thermosetting polyester resin (GRP) pipes conforming to EN 14364, measured after a defined number of test cycles of a specified water/abrasive mixture.

Keel en

### **CEN/TR 16017:2010**

Hind 114,00

Identne CEN/TR 16017:2010

#### **Guide to the use of EN 598**

EN 598 specifies the requirements and associated test methods applicable to ductile iron pipes, fittings, accessories and their joints for the construction of drains and sewers outside buildings: - operating without pressure (gravity sewerage), or with positive or negative pressure; - to be installed below or above ground; - to convey surface water, domestic waste water and certain types of industrial effluents, either in separate systems or in combined systems. This technical report: - explains in more detail the process of testing for the performance tests; - explains in more detail the benefits of high alumina cement lining; - explains in more detail the definitions of the different types/levels of attestation to enable customers to ensure their requirements are fulfilled; - explains in more detail the ways of certification of conformity with EN 598 for a reliable evaluation of the performance of products; - explains in more detail CE marking and its relevance i.e. the CE mark is not a mark of conformity with a standard but only a self-declaration concerning the CPD essential requirements. In order to make the use of this Technical Report easier, the clauses of this document refer to the corresponding clause numbers in EN 598.

Keel en

#### **EVS-EN 13941:2009+A1:2010**

Hind 356,00

Identne EN 13941:2009+A1:2010

#### **Eelisoleeritud seotud kaugküttetorustike projekteerimine ja paigaldamine KONSOLIDEERITUD TEKST**

This European Standard specifies rules for design, calculation and installation for preinsulated bonded pipe systems for buried hot water distribution and transmission networks (cf. Figure 2) with pipe assemblies in accordance with EN 253, for continuous operation with hot water at various temperatures up to 120°C and occasionally with peak temperatures up to 140°C and maximum internal pressure 25 bar (overpressure).

Keel en

Asendab EVS-EN 13941:2009

#### **EVS-EN 558:2008/AC:2010**

Hind 0,00

Identne EN 558:2008/AC:2010

#### **Tööstuslikud ventiilid. Äärikühendustega torustikes kasutamiseks ettenähtud metallventiilide kogupikkus ja pikkus keskmest. Osa 1: PN-tähistusega ventiilid**

Keel en

**EVS-EN 12542:2010**

Hind 271,00

Identne EN 12542:2010

**LPG equipment and accessories - Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> - Design and manufacture**

This European Standard specifies requirements for the design and manufacture of static welded steel cylindrical tanks, serially produced for the storage of liquefied petroleum gas (LPG) with a volume not greater than 13 m<sup>3</sup> and for installation above or below ground.

Keel en

Asendab EVS-EN 12542:2002; EVS-EN 14075:2002; EVS-EN 14075:2002/A1:2005; EVS-EN 12542:2002/A1:2005

**EVS-EN 12735-1:2010**

Hind 155,00

Identne EN 12735-1:2010

**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 with an outside diameter from 3 mm up to and including 133 mm. These tubes are supplied in straight lengths in the material conditions hard or half-hard, or in coils in the annealed material condition.

Keel en

Asendab EVS-EN 12735-1:2001

**EVS-EN 12735-2:2010**

Hind 166,00

Identne EN 12735-2:2010

**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 outside diameter from 6 mm up to and including 133 mm. The tubes are supplied in straight length in the material conditions hard, half-hard or skin hard or as coils in the material conditions light annealed or soft annealed.

Keel en

Asendab EVS-EN 12735-2:2001

**EVS-EN 13121-3:2008+A1:2010**

Hind 415,00

Identne EN 13121-3:2008+A1:2010

**GRP paagid ja anumad kasutamiseks ülalpool maapinda. Osa 3: Valmistamine ja väljatootamisviis**

This European Standard gives requirements for the design, fabrication, inspection, testing and verification of GRP tanks and vessels with or without Thermoplastics lining for storage or processing of fluids, factory made or site built, non pressurised or pressurised up to 10 bar, for use above ground. The terms vessels and tanks as used in this European Standard include branches up to the point of connection to pipe work or other equipment by bolting and supports, brackets or other attachments bonded directly to the shell. In addition to the definitive requirements, this European Standard also requires the items in Clause 5 to be fully documented. This European Standard covers vessels and tanks subject to temperatures between - 40 °C and + 120 °C.

Keel en

Asendab EVS-EN 13121-3:2008

**EVS-EN 13480-3:2002/A4:2010**

Hind 155,00

Identne EN 13480-3:2002/A4:2010

**Metallist tööstustorustik. Osa 3: Kavandamine ja arvutamine**

This Part of this European Standard specifies the design and calculation of industrial metallic piping systems, including supports, covered by EN 13480.

Keel en

**EVS-EN 14638-3:2010**

Hind 219,00

Identne EN 14638-3:2010

**Transportable gas cylinders - Refillable welded receptacles of a capacity not exceeding 150 litres - Part 3: Welded carbon steel cylinders made to a design justified by experimental methods**

This European Standard specifies minimum requirements concerning material, design, construction and workmanship, procedures and tests at manufacture of refillable transportable welded cylinders made of carbon steel, justified by experimental methods, of water capacities from 0,5 l up to and including 150 l for compressed or liquefied gases and of a test pressure up to 90 bar.

Keel en

**EVS-EN 60335-2-40:2003/AC:2010**

Hind 0,00

Identne EN 60335-2-40:2003/Corr:2010

**Majapidamis- ja muud taolised elektriseadmed.****Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele**

Keel en

**EVS-EN ISO 10156:2010/AC:2010**

Hind 0,00

Identne EN ISO 10156:2010/AC:2010

ja identne ISO 10156:2010/Cor 1:2010

**Gaasid ja gaaside segud. Tuleohhtlikkuse ja oksüdeerimisvõime määramine balloonide väljalaskeventiilide valikuks**

Keel en

## **EVS-EN ISO 13349:2010**

Hind 243,00

Identne EN ISO 13349:2010

ja identne ISO 13349:2010

### **Fans - Vocabulary and definitions of categories**

This International Standard defines terms and categories in the field of fans used for all purposes. It is not applicable to electrical safety.

Keel en

Asendab EVS-EN ISO 13349:2008

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 736-3:2000/A1:2002**

Identne EN 736-3:1999/A1:2001

#### **Torustikuarmatuur. Terminoloogia. Osa 3: Terminite määratlused. MUUDATUS**

Käesolevas standardis on esitatud terminid ja nende määratlused (või viited teistele standarditele, kus need on määratletud), mis on vajalikud torustikuarmatuuriga seonduvate mõistete - rõhu ja temperatuuri, mõõtmete konstruktsiooni, vooluparameetrite, käsitlemise ja katsetamise - käsitlemisel. Standardi eesmärgiks on ühtse terminoloogia loomine kõigi armatuuritüüpide kohta. Käesolevas standardis toodud terminid ja määratlused võivad olla rakendatavad ka muude, armatuurist erinevate toodete kohta, kusjuures neid määratlusi saab rakendada samal kujul. Selles standardis toodud terminid on ühised mitme armatuuritüübi jaoks. Termineid ja määratlusi, mis on omased ainult ühele armatuuritüübile, võib leida vastavast tootestandardist.

Keel en

Asendatud EVS-EN 736-3:2008

### **EVS-EN 12542:2002**

Identne EN 12542:2002

#### **Seeriatootmises valmistatud, keevitatud terasest staatilised vedelgaaside (LPG) hoidmiseks mõeldud silindrilised mahutid, mille ruumala ei ületa 13 m<sup>3</sup> ja mis on maapealseks paigaldamiseks. Kavandamine ja valmistamine**

This European Standard specifies requirements for the design and manufacture of static welded steel cylindrical tanks, serially produced for the storage of liquefied petroleum gas (LPG) with a volume not greater than 13 m<sup>3</sup> and for installation above ground.

Keel en

Asendatud EVS-EN 12542:2010

### **EVS-EN 12542:2002/A1:2005**

Identne EN 12542:2002/A1:2004

#### **Seeriatootmises valmistatud, keevitatud terasest staatilised vedelgaaside (LPG) hoidmiseks mõeldud silindrilised mahutid, mille ruumala ei ületa 13 m<sup>3</sup> ja mis on maapealseks paigaldamiseks. Kavandamine ja valmistamine**

This European Standard specifies requirements for the design and manufacture of static welded steel cylindrical tanks, serially produced for the storage of liquefied petroleum gas (LPG) with a volume not greater than 13 m<sup>3</sup> and for installation above ground.

Keel en

Asendatud EVS-EN 12542:2010

## **EVS-EN 12735-2:2001**

Identne EN 12735-2:2001

### **Vask ja vasesulamid. Õmblusteta 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 grooved, used for heat exchangers and their internal connecting pipes in the manufacturing of refrigeration and air conditioning equipment.

Keel en

Asendatud EVS-EN 12735-2:2010

### **EVS-EN 12735-2:2001/A1:2005**

Identne EN 12735-2:2001/A1:2005

### **Vask ja vasesulamid. Õmblusteta 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 grooved, used for heat exchangers and their internal connecting pipes in the manufacturing of refrigeration and air conditioning equipment.

Keel en

### **EVS-EN 12735-1:2001/A1:2005**

Identne EN 12735-1:2001/A1:2005

### **Vask ja vasesulamid. Õmblusteta 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). These tubes are supplied in straight lengths in the hard or half-hard tempers, or in coils in the annealed temper.

Keel en

### **EVS-EN 12735-1:2001**

Identne EN 12735-1:2001

### **Vask ja vasesulamid. Õmblusteta 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). These tubes are supplied in straight lengths in the hard or half-hard tempers, or in coils in the annealed temper.

Keel en

Asendatud EVS-EN 12735-1:2010

**EVS-EN 13121-3:2008**

Identne EN 13121-3:2008

**GRP paigid ja anumad kasutamiseks ülalpool maapinda. Osa 3: Valmistamine ja väljatootamisviis**

This European Standard gives requirements for the design, fabrication, inspection, testing and verification of GRP tanks and vessels with or without Thermoplastics lining for storage or processing of fluids, factory made or site built, non pressurised or pressurised up to 10 bar, for use above ground. The terms vessels and tanks as used in this European Standard include branches up to the point of connection to pipe work or other equipment by bolting and supports, brackets or other attachments bonded directly to the shell. In addition to the definitive requirements, this European Standard also requires the items in Clause 5 to be fully documented. This European Standard covers vessels and tanks subject to temperatures between – 40 °C and + 120 °C.

Keel en

Asendatud EVS-EN 13121-3:2008+A1:2010

**EVS-EN 14075:2002**

Identne EN 14075:2002

**Seeriatootmises valmistatud, keevitatud terasest staatilised vedelgaaside (LPG) hoidmiseks mõeldud silindrilised mahutid, mille ruumala ei ületa 13 m<sup>3</sup> ja mis on maaaluseks paigaldamiseks. Kavandamine ja valmistamine**

This European Standard specifies requirements for the design and manufacture of static welded steel cylindrical tanks, serially produced for the storage of liquefied petroleum gas (LPG) with a volume not greater than 13 m<sup>3</sup> and for installation underground

Keel en

Asendatud EVS-EN 12542:2010

**EVS-EN 14075:2002/A1:2005**

Identne EN 14075:2002/A1:2004

**Seeriatootmises valmistatud, keevitatud terasest staatilised vedelgaaside (LPG) hoidmiseks mõeldud silindrilised mahutid, mille ruumala ei ületa 13 m<sup>3</sup> ja mis on maaaluseks paigaldamiseks. Kavandamine ja valmistamine**

This European Standard specifies requirements for the design and manufacture of static welded steel cylindrical tanks, serially produced for the storage of liquefied petroleum gas (LPG) with a volume not greater than 13 m<sup>3</sup> and for installation underground

Keel en

Asendatud EVS-EN 12542:2010

**EVS-EN ISO 13349:2008**

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 EVS-EN ISO 13349:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 593:2009/FprA1**

Identne EN 593:2009/FprA1:2010

Tähtaeg 29.11.2010

**Tööstusventiilid. Pöördsulguriga metallist drosselklapid**

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

Keel en

**FprEN 14894**

Identne FprEN 14894:2010

Tähtaeg 29.11.2010

**LPG equipment and accessories - Cylinder and drum marking**

This European Standard specifies stamp marking requirements for transportable refillable LPG cylinders and metallic drums including: - Steel LPG cylinders designed and manufactured in accordance with EN 1442, EN 14140, EN 12807 or an equivalent standard or technical code recognised by the Competent Authority. - LPG metallic drums designed and manufactured in accordance with EN 14893 or an equivalent standard or technical code recognised by the Competent Authority. - Welded aluminium LPG cylinders designed and manufactured in accordance with EN 13110 or an equivalent standard or technical code recognised by the Competent Authority. - LPG composite cylinders designed and manufactured in accordance with EN 14427 or an equivalent standard or technical code recognised by the Competent Authority.

Keel en

Asendab EVS-EN 14894:2006

**FprEN 61362**

Identne FprEN 61362:2010

ja identne IEC 61362:201X

Tähtaeg 29.11.2010

**Guide to specification of hydraulic turbine governing systems**

The scope of IEC 61362 is restricted to the turbine governing level. Additionally some remarks about the control loops of the plant level and about primary and secondary frequency control (see also Annex B) are made for better understanding without making a claim to be complete. Important topics covered by the guide are: - speed, power, water level, opening and flow (discharge) control for reaction and impulse type turbines including double regulated machines; - means of providing actuating energy; - safety devices for emergency shut-down, etc;

Keel en

Asendab EVS-EN 61362:2002

### **prEN 126**

Identne prEN 126:2010

Tähtaeg 29.11.2010

#### **Gaasitarvitite multiregulaatorid**

This European Standard specifies the safety, construction and performance requirements for multifunctional controls (MFC) intended for use with gas burners, gas appliances and similar use, hereafter referred to as "multifunctional controls". This European Standard is applicable to multifunctional controls with declared maximum inlet pressures up to and including 50 kPa (500 mbar) of nominal connection sizes up to and including DN 150 for use with one or more fuel gases in accordance with EN 437. MFC consist of two or more functions, at least one of which is a mechanical control, as specified in the relevant control standards (see Figure 1). MFC only consisting of electronics are not covered by EN 126 (an example is a combination of EN 298 and EN 1643).

Keel en

Asendab EVS-EN 126:2004

### **prEN 10352**

Identne prEN 10352:2010

Tähtaeg 29.11.2010

#### **Stainless steel plumbing fittings - Fittings with press ends for metallic tubes**

This European Standard specifies materials and test requirements for tube connections with press end fittings of stainless steel. This European Standard specifies press end connections in the size range 6 mm to 108 mm for the purpose of joining stainless steel tubes intended for use in hot or cold or combined hot and cold water, heating and cooling systems, natural gas and liquefied petroleum gas systems. Permissible operating temperatures and maximum operating pressures are also established. Fittings may comprise a combination of end types, specified in this standard or other standards, providing they are suitable for the fluid /gas being conveyed. The standard establishes a designation tube system with press end joints made with the components fitting and, tube pressed with a pressing tool. This standard is applicable to press fittings for joining stainless steel tubes to EN 10312. Fittings may be suitable for joining other metallic tubes provided the press fitting joint with the specified tube meets the requirements of this standard

Keel en

### **prEN 16129**

Identne prEN 16129:2010

Tähtaeg 29.11.2010

#### **Pressure regulators, automatic change-over devices, having a maximum regulated pressure of 4 bar, with a maximum capacity of 100kg/h, associated safety devices and adaptors for butane, propane, and their mixtures**

This standard defines the constructional and operational characteristics, the safety requirements, test methods and the marking of regulators and automatic change-over devices having a maximum regulated pressure of 4 bar, with a maximum capacity of 100 kg/h, for use with butane, propane and their mixtures in the vapour phase. This European Standard also applies to the safety devices which are included within regulating devices covered by this standard. The characteristics of these safety devices are given in annexes A and B. This standard also includes the requirements for: - adaptors for connecting to self closing valves; - remote supply-reserve indicators; - remote safety devices. For the purpose of these standards: - Regulators and automatic change-over devices are referred to as "regulating devices" - Regulators, automatic change-over devices and adaptors are referred to as "devices" The requirements apply to devices used in locations where the temperature likely to be reached during use is between -20 °C and +50 °C. Additional requirements for devices to be used at temperatures below -20 °C are given in Annex C. Additional requirements for regulating devices intended to be used in caravans, motor caravans and freshwater boats are given in annex D. Additional requirements for regulating devices intended to be used in seawater boats are given in Annex M. For specific uses in caravans motor caravans and boats (freshwater and seawater), the automatic change over devices function may also be carried out by an assembly of regulators, forming a "automatic change over devices system" as defined in 3.1.2. This European standard does not include the installation rules for devices and their possible associated safety devices. In this matter, reference should be made to national regulations in force in the member countries. All connection and their used in various countries are given in annexes G and H. - Drawings of cylinder valve connections are given in EN 15202 - Drawings of cartridge connections are given in EN 417 - Drawings of other connections are given in annexes G and H where the device part is normative. The other part applies to the part to be connected to the device, is given only for test purposes and is not normative.

Keel en

Asendab EVS-EN 12864:2003; EVS-EN

13785:2005+A1:2008; EVS-EN 13786:2004+A1:2008

## **25 TOOTMISTEHNOLLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TR 62061-1:2010**

Hind 219,00

Identne CLC/TR 62061-1:2010

ja identne IEC/TR 62061-1:2010

#### **Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery**

This Technical Report is intended to explain the application of IEC 62061 and ISO 13849-1) in the design of safety-related control systems for machinery.

Keel en

**CLC/TR 62541-1:2010**

Hind 178,00

Identne CLC/TR 62541-1:2010

ja identne IEC/TR 62541-1:2010

**OPC unified architecture - Part 1: Overview and concepts**

This part of IEC 62541 presents the concepts and overview of the Unified Architecture (OPC UA) specification produced by the OPC Foundation. Reading this report enables the reader to understand the series of IEC 62541 standards. Each of the other parts is briefly explained along with a suggested reading order.

Keel en

**CLC/TR 62541-2:2010**

Hind 198,00

Identne CLC/TR 62541-2:2010

ja identne IEC/TR 62541-2:2010

**OPC unified architecture - Part 2: Security model**

This part of IEC 62541 describes the OPC Unified Architecture (OPC UA) security model. It describes the security threats of the physical, hardware and software environments in which OPC UA is expected to run. It describes how OPC UA relies upon other standards for security. It gives an overview of the security features that are specified in other parts of the OPC UA specification. It references services, mappings, and profiles that are specified normatively in other parts of this series of standards. Note that there are many different aspects of security that have to be addressed when developing applications. However since OPC UA specifies a communication protocol, the focus is on securing the data exchanged between applications. This does not mean that an application developer can ignore the other aspects of security like protecting persistent data against tampering. It is important that the developer look into all aspects of security and decide how they can be addressed in the application. This part of IEC 62541 is directed to readers who will develop OPC UA client or server applications or implement the OPC UA services layer. It is assumed that the reader is familiar with Web Services and XML/SOAP. Information on these technologies can be found in SOAP Part 1 and SOAP Part 2.

Keel en

**CR 13259:1998**

Hind 114,00

Identne CR 13259:1998

**Gas welding equipment - Industrial manual and machine oxygen-fuel gases blowpipes for flame heating and allied processes**

This Technical report gives safety recommendations for industrial manual and machine oxygen-fuel gases blowpipes for flame heating and allied processes, which are not covered by EN 847 and EN ISO 5172. This Technical report is applicable to manual and machine blowpipes, which are fed with oxygen, compressed air and a fuel gas (e.g. Acetylene, MPS, propane, natural gas, LPG, hydrogen, etc.), in the gaseous state.

Keel en

**EVS-EN 1247:2004+A1:2010**

Hind 219,00

Identne EN 1247:2004+A1:2010

**Valukoja seadmed. Ohutusnõuded kulpidele, valamisseadmetele, tsentrifugaal valumasinatele, pideva- ja poolpideva töötükkliga valumasinatele KONSOLIDEERITUD TEKST**

This document specifies requirements to be met by the manufacturer for the foreseeable significant hazards due to design, construction and installation, during commissioning, operation, maintenance, and decommissioning of the following machines and equipment which are used directly and indirectly for the manufacture of castings: - Ladles; - Pouring equipment; - Centrifugal casting machines for production of tubes (only machines with horizontal or oblique axis of rotation); - Continuous and semi continuous casting machines for non-ferrous metals.

Keel en

Asendab EVS-EN 1247:2004

**EVS-EN 14730-1:2006+A1:2010**

Hind 256,00

Identne EN 14730-1:2006+A1:2010

**Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes CONSOLIDATED TEXT**

This standard defines the laboratory tests and requirements for approval of an aluminothermic welding process using welds produced in workshop conditions. It applies to the joining of new, Vignole rails as described in EN 13674-1 of the same profile and steel grade. Compliance with the requirements of this standard does not of itself ensure the suitability of a welding process for specific conditions of track and traffic. The standard does not cover welds made between different rail sections, differently worn rails and different rail grades. In addition to the definitive requirements this standard also requires the items detailed in Clause 4 to be documented. For compliance with this standard, it is important that both the definitive requirements and the documented items be satisfied.

Keel en

Asendab EVS-EN 14730-1:2006

**EVS-EN ISO 2085:2010**

Hind 68,00

Identne EN ISO 2085:2010

ja identne ISO 2085:2010

**Anodizing of aluminium and its alloys - Check for continuity of thin anodic oxidation coatings - Copper sulfate test**

This International Standard specifies a method for checking the continuity of thin anodic oxidation coatings on aluminium and its alloys by a copper sulfate contact test. The use of this method is limited to anodic oxidation coatings of thickness less than 5 µm, or coatings that have been deformed.

Keel en

Asendab EVS-EN 12373-16:2002

**EVS-EN ISO 2143:2010**

Hind 105,00

Identne EN ISO 2143:2010

ja identne ISO 2143:2010

**Anodizing of aluminium and its alloys - Estimation of loss of absorptive power of anodic oxidation coatings after sealing - Dye spot test with prior acid treatment**

This International Standard specifies a method of estimating the loss of absorptive power of anodic oxidation coatings that have undergone a sealing treatment, by dye absorption after acid pretreatment. The method is suitable for use as a production control method and is applicable to anodic oxidation coatings which may be subjected to weathering or aggressive environments, or where resistance to staining is important. The method is not applicable to those coatings that: a) are formed on alloys containing more than 2 % copper or 4 % silicon; b) are sealed by the dichromate process; c) have been given supplementary processing, e.g. oiling, waxing or lacquering; d) are coloured in deep shades; e) are less than 3 µm thick. The method is less appropriate where nickel or cobalt salts, or organic additives, have been added to the sealing bath.

Keel en

Asendab EVS-EN 12373-4:2001

**EVS-EN ISO 2376:2010**

Hind 80,00

Identne EN ISO 2376:2010

ja identne ISO 2376:2010

**Anodizing of aluminium and its alloys - Determination of electric breakdown potential**

This International Standard specifies test methods for the determination of the electric breakdown potential of anodic oxidation coatings on aluminium and its alloys, on flat or near-flat surfaces and on round wire. The methods are applicable to anodic oxidation coatings used primarily as electrical insulators. The methods are not applicable to coatings in the vicinity of cut edges, the edges of holes, or sharp changes of angle on, for example, extruded shapes.

Keel en

Asendab EVS-EN 12373-17:2002

**EVS-EN ISO 2931:2010**

Hind 105,00

Identne EN ISO 2931:2010

ja identne ISO 2931:2010

**Anodizing of aluminium and its alloys - Assessment of quality of sealed anodic oxidation coatings by measurement of admittance**

This International Standard specifies a method for assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the admittance. The method is applicable to anodic oxidation coatings sealed in an aqueous medium. The method is suitable for use as a production-control test and as an acceptance test where there is agreement between the supplier and the customer. Any type of anodized component can be tested by the method described, provided that there is a sufficient area (a circle of diameter about 20 mm) and that the film thickness is greater than 3 µm.

Keel en

Asendab EVS-EN 12373-5:2001

**EVS-EN ISO 3210:2010**

Hind 105,00

Identne EN ISO 3210:2010

ja identne ISO 3210:2010

**Anodizing of aluminium and its alloys - Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution**

This International Standard specifies methods of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution. This International Standard consists of the following two methods. - Method 1: assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution, without prior acid treatment. - Method 2: assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution with prior acid treatment. Method 1 is applicable to anodic oxidation coatings intended for decorative or protective purposes or where resistance to staining is important. Method 2 is applicable to anodic oxidation coatings intended for architectural purposes. For less severe applications, Method 1 may be more suitable. The methods are not applicable to the following: - hard-type anodic oxidation coatings which normally are not sealed; - anodic oxidation coatings that have been sealed only in dichromate solutions; - anodic oxidation coatings produced in chromic acid solutions; - anodic oxidation coatings that have undergone a treatment to render them hydrophobic.

Keel en

Asendab EVS-EN 12373-6:2001; EVS-EN 12373-7:2002

**EVS-EN ISO 6581:2010**

Hind 80,00

Identne EN ISO 6581:2010

ja identne ISO 6581:2010

**Anodizing of aluminium and its alloys - Determination of the comparative fastness to ultraviolet light and heat of coloured anodic oxidation coatings**

This International Standard specifies a comparative method for the determination of the fastness of coloured anodic oxidation coatings to ultraviolet (UV) light and heat. The method is not suitable for testing coloured anodic oxidation coatings that are heat sensitive.

Keel en

Asendab EVS-EN 12373-8:2001

## **EVS-EN ISO 7599:2010**

Hind 178,00

Identne EN ISO 7599:2010

ja identne ISO 7599:2010

### **Anodizing of aluminium and its alloys - General specifications for anodic oxidation coatings on aluminium**

This International Standard lays down a method for specifying decorative and protective anodic oxidation coatings on aluminium (including aluminium-based alloys). It defines the characteristic properties of anodic oxidation coatings, lists methods of test for checking the characteristic properties, provides minimum performance requirements, and gives information on the grades of aluminium suitable for anodizing and the importance of pretreatment to ensure the required appearance or texture of the finished work. It is not applicable to a) non-porous oxidation coatings of the barrier layer type, b) oxidation coatings produced by chromic acid or phosphoric acid anodizing, c) oxidation coatings intended merely to prepare the substrate for subsequent application of organic coatings or electrodeposition of metals, d) hard anodic oxidation coatings used mainly for engineering purposes, for which abrasion and wear resistance are the primary characteristics (see ISO 10074).

Keel en

Asendab EVS-EN 12373-1:2002

## **EVS-EN ISO 8993:2010**

Hind 124,00

Identne EN ISO 8993:2010

ja identne ISO 8993:2010

### **Anodizing of aluminium and its alloys - Rating system for the evaluation of pitting corrosion - Chart method**

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

Keel en

Asendab EVS-EN 12373-18:2002

## **EVS-EN ISO 10215:2010**

Hind 114,00

Identne EN ISO 10215:2010

ja identne ISO 10215:2010

### **Anodizing of aluminium and its alloys - Visual determination of image clarity of anodic oxidation coatings - Chart scale method**

This International Standard specifies a visual method for determining the image clarity of anodic oxidation coatings on aluminium and aluminium alloys, using a chart scale and a lightness scale, which are defined. The method can be applied only to flat surfaces that can reflect the image of the chart scale pattern.

Keel en

Asendab EVS-EN 12373-14:2001

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 874:1999**

Identne EN 874:1995

#### **Gaaskeevitusseadmed. Silindriliste pikkade põletikorpustega hapnik- või põlevgaaspõletid (lõikemasina tüüpi). Konstruktioonitüüp, üldised tehnilised andmed, katsemeetodid**

Käesolev standard kehtib pikkade silinderkeregga masinlõikamispõletite kohta, mille gaasidüüs on koaksiaalse korpusega ja mis töötavad hapniku ning põlevgaasiga ja lõigatava materjali paksuse piires 3 kuni 300 mm. Põletid on kinnitatud gaaslõikamismasinale.

Keel en

Asendatud EVS-EN ISO 5172:2006

### **EVS-EN 1247:2004**

Identne EN 1247:2004

#### **Valukoja seadmed. Ohutusnõuded kulpidele, valamisseadmetele, tsentrifugaal valumasinale, pideva- ja poolpideva töötüükliga valumasinale**

This standard specifies requirements to be met by the manufacturer for the foreseeable significant hazards due to design, construction and installation, during commissioning, operation, maintenance, and decommissioning of the following machines and equipment which are used directly and indirectly for the manufacture of castings: - Ladles; - Pouring equipment; - Centrifugal casting machines for production of tubes (only machines with horizontal or oblique axis of rotation); - Continuous and semi continuous casting machines for non-ferrous metals

Keel en

Asendatud EVS-EN 1247:2004+A1:2010

### **EVS-EN 1290:1999/A2:2004**

Identne EN 1290:1998/A2:2003

#### **Keevituste mittepurustav katsetamine. Keevituste magnetosakeste uurimine**

This standard specifies magnetic particle examination techniques for the detection of surface imperfections in ferromagnetic welds including the heat affected zones using the magnetic method.

Keel en

Asendatud EVS-EN ISO 17638:2010

### **EVS-EN 1290:1999/A1:2002**

Identne EN 1290:1998/A1:2002

#### **Keevituste mittepurustav katsetamine. Keevituste magnetosakeste uurimine**

This standard specifies magnetic particle examination techniques for the detection of surface imperfections in ferromagnetic welds including the heat affected zones using the magnetic method.

Keel en

Asendatud EVS-EN ISO 17638:2010

### **EVS-EN 1291:1999/A2:2004**

Identne EN 1291:1998/A2:2003

#### **Keevisõmbluste mittepurustav kontrollimine. Keevisõmbluste katsetamine magnetpulbriga. Tehnilistele tingimustele vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed ferromagnetiliste teraste keevisõmbluste defektide magnetpulbermeetodil saadud keevitusvigade tunnusjälgede järgi.

Keel en

Asendatud EVS-EN ISO 23278:2010



**EVS-EN 1291:1999/A1:2002**

Identne EN 1291:1998/A1:2002

**Keevisõmbuste mittepurustav kontrollimine.  
Keevisõmbuste katsetamine magnetpulbriga.  
Tehnilistele tingimustele vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed ferromagnetiliste teraste keevisõmbuste defektide magnetpulbermeetodil saadud keevitusvigade tunnusjälgede järgi.

Keel en

Asendatud EVS-EN ISO 23278:2010

**EVS-EN 12373-4:2001**

Identne EN 12373-4:1998

**Aluminium and aluminium alloys - Anodizing - Part 4:  
Estimation of loss of absorptive power of anodic  
oxidation coatings after sealing by dye spot test with  
prior acid treatment**

This Part of this European Standard specifies a method of estimating the loss of absorptive power of anodic oxidation coatings that have undergone a sealing treatment, by dye absorption after acid pretreatment.

Keel en

Asendatud EVS-EN ISO 2143:2010

**EVS-EN 12373-5:2001**

Identne EN 12373-5:1998

**Aluminium and aluminium alloys - Anodizing - Part 5:  
Assessment of quality of sealed anodic oxidation  
coatings by measurement of admittance**

This part of this European Standard specifies a method for assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the admittance.

Keel en

Asendatud EVS-EN ISO 2931:2010

**EVS-EN 12373-6:2001**

Identne EN 12373-6:1998

**Aluminium and aluminium alloys - Anodizing - Part 6:  
Assessment of quality of sealed anodic oxidation  
coatings by measurement of the loss of mass after  
immersion in phosphoric acid/chromic acid solution  
without prior acid treatment**

This Part of this European Standard specifies a method of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution without prior acid treatment.

Keel en

Asendatud EVS-EN ISO 3210:2010

**EVS-EN 12373-7:2002**

Identne EN 12373-7:2002

**Aluminium and aluminium alloys - Anodizing - Part 7:  
Assessment of quality of sealed anodic oxidation  
coatings by measurement of the loss of mass after  
immersion in phosphoric acid/chromic acid solution  
with prior acid treatment**

This European Standard specifies a method of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution with prior acid treatment. A related standard (EN 12373-61)) describes the same method used without prior acid treatment

Keel en

Asendab EVS-EN 12373-7:2001

Asendatud EVS-EN ISO 3210:2010

**EVS-EN 12373-8:2001**

Identne EN 12373-8:1998

**Aluminium and aluminium alloys - Anodizing - Part 8:  
Determination of the comparative fastness to ultra-  
violet light and heat of coloured anodic oxidation  
coatings**

This Part of this European standard specifies a comparative method for the determination of the fastness of coloured anodic oxidation coatings to ultra-violet light and heat.

Keel en

Asendatud EVS-EN ISO 6581:2010

**EVS-EN 12373-14:2001**

Identne EN 12373-14:2000

**Aluminium and aluminium alloys - Anodizing - Part  
14: Visual determination of image clarity of anodic  
oxidation coatings - Chart scale method**

This part of this European Standard specifies a visual method for determining the image clarity of anodic oxidation coatings on aluminium and aluminium alloys using a chart scale and a lightness scale, which are defined. The method can be applied only to flat surfaces which can reflect the image of the chart scale pattern.

Keel en

Asendatud EVS-EN ISO 10215:2010

**EVS-EN 12373-16:2002**

Identne EN 12373-16:2001

**Aluminium and aluminium alloys - Anodizing - Part  
16: Check for continuity of thin anodic oxidation  
coatings - Copper sulfate test**

This Part of this European Standard specifies a method of checking the continuity of thin anodic oxidation coatings on aluminium and its alloys by a copper sulfate contact test.

Keel en

Asendatud EVS-EN ISO 2085:2010

**EVS-EN 12373-17:2002**

Identne EN 12373-17:2001

**Aluminium and aluminium alloys - Anodizing - Part  
17: Determination of electric breakdown potential**

This Part of this European Standard specifies method of test for the determination of the electrical breakdown potential of anodic oxidation coatings on aluminium and its alloys on flat or near-flat surfaces and on round wire.

Keel en

Asendatud EVS-EN ISO 2376:2010

**EVS-EN 12373-18:2002**

Identne EN 12373-18:2001

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

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

Keel en

Asendatud EVS-EN ISO 8993:2010

**EVS-EN 12373-1:2002**

Identne EN 12373-1:2001

**Aluminium and aluminium alloys - Anodizing - Part 1: Method for specifying decorative and protective anodic oxidation coatings on aluminium**

This part of this European Standard describes a method for specifying decorative and protective anodic oxidation coatings on aluminium.

Keel en

Asendatud EVS-EN ISO 7599:2010

**EVS-EN 14730-1:2006**

Identne EN 14730-1:2006

**Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes**

This standard defines the laboratory tests and requirements for approval of an aluminothermic welding process using welds produced in workshop conditions. It applies to the joining of new, Vignole rails as described in EN 13674-1 of the same profile and steel grade. Compliance with the requirements of this standard does not of itself ensure the suitability of a welding process for specific conditions of track and traffic. The standard does not cover welds made between different rail sections, differently worn rails and different rail grades. In addition to the definitive requirements this standard also requires the items detailed in Clause 4 to be documented. For compliance with this standard, it is important that both the definitive requirements and the documented items be satisfied.

Keel en

Asendatud EVS-EN 14730-1:2006+A1:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 12413:2007/FprA1**

Identne EN 12413:2007/FprA1:2010

Tähtaeg 29.11.2010

**Ohutusnõuded liimühendusega toodetele**

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

Keel en

Asendab EVS-EN 12413:2007

**FprEN 61029-2-1**

Identne FprEN 61029-2-1:2010

ja identne IEC 61029-2-1:1993 (MOD) + A1:1999 (EQV) + A2:2001 (EQV)

Tähtaeg 29.11.2010

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

This standard applies to table saws intended for cutting wood and analogous materials, plastics and nonferrous metals except magnesium with a blade diameter not exceeding 315 mm, which hereinafter may simply be referred to as saw or tool.

Keel en

Asendab EVS-EN 61029-2-1:2010

**FprEN 61029-2-9**

Identne FprEN 61029-2-9:2010

ja identne IEC 61029-2-9:1995

Tähtaeg 29.11.2010

**Teisaldatavate mootorajamiga elektritööriistade ohutus. Osa 2: Erinõuded pendelsaagidele**

This International Standard applies to transpo rtable mitre saws intended for cutting non ferrous metals such as aluminium, wood and similar materials with a blade diameter not exceeding 400 mm, as defined in 2.101. Tools combining the function of mitre saw with the function of circular saw are not covered by this standard.

Keel en

Asendab EVS-EN 61029-2-9:2009

**FprEN 61029-2-11**

Identne FprEN 61029-2-11:2010

ja identne IEC 61029-2-11:2001

Tähtaeg 29.11.2010

**Teisaldatavate mootorajamiga elektritööriistade ohutus. Osa 2-11: Erinõuded kombineeritud järkamis- ja lauasaagidele**

This standard applies to combined mitre-bench saws intended for cutting non-ferrous metals such as aluminium, wood or similar materials with a blade diameter not exceeding 350 mm, as defined in 2.101.

Keel en

Asendab EVS-EN 61029-2-11:2009

**FprEN ISO 28721-1**

Identne FprEN ISO 28721-1:2010

ja identne ISO 28721-1:2008

Tähtaeg 29.11.2010

**Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 1: Quality requirements for apparatus, components, appliances and accessories**

This part of ISO 28721 specifies the quality requirements for apparatus, components, appliances and accessories of glass-lined steel (including semi-crystallized enamel coatings) and glass-lined steel castings used for process plants. It specifies the quality requirements and the tests to be carried out by the manufacturer as well as the action to be taken to repair defects. It is also applicable to glass-lined pumps, pump components and fittings. It is not applicable to glass-lined flanged steel pipes or glass-lined flanged steel fittings. NOTE 1 Provisions for glass-lined flanged steel pipes and glass-lined flanged steel fittings are given in DIN 2876 [1]. The test methods specified cover checking the enamel, the dimensional accuracy and the performance of apparatus and components. This part of ISO 28721 applies to new apparatus and components as well as used items that have been re-enamelled. It does not contain requirements regarding the chemical or physical properties of vitreous and porcelain enamels.

Keel en

Asendab EVS-EN 15159-1:2006

### **FprEN ISO 28721-2**

Identne FprEN ISO 28721-2:2010

ja identne ISO 28721-2:2008

Tähtaeg 29.11.2010

#### **Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 2: Designation and specification of resistance to chemical attack and thermal shock**

This part of ISO 28721 specifies requirements for the resistance to chemical attack and thermal shock of chemical enamels and their designation for ordering purposes. It is applicable to enamelled apparatus, piping and other components primarily used for process equipment in chemical plants. It only applies to unalloyed and low-alloy carbon steels suitable for enamelling.

Keel en

Asendab EVS-EN 15159-2:2006

### **FprEN ISO 28721-3**

Identne FprEN ISO 28721-3:2010

ja identne ISO 28721-3:2008

Tähtaeg 29.11.2010

#### **Vitreous and porcelain enamels - Glass-lined apparatus for process plants - Part 3: Thermal shock resistance**

This part of ISO 28721 specifies requirements for the thermal shock resistance of, and heating and cooling procedures for, glass-lined apparatus, components, accessories and pipes primarily used for process equipment in chemical plants. It specifies the limits of thermal shock resistance using diagrams (see Figure 1 and Figure 2). For glass-lined steel, a distinction is made between a thermal shock on the glass-lined side (produced by charging an apparatus) and a thermal shock on the steel side (produced by heating or cooling an apparatus). This part of ISO 28721 applies to operating temperatures from - 25 °C to + 230 °C. It is only applicable to enamelled unalloyed and low-alloy carbon steels.

Keel en

Asendab EVS-EN 15159-3:2006

### **FprEN ISO 28722**

Identne FprEN ISO 28722:2010

ja identne ISO 28722:2008

Tähtaeg 29.11.2010

#### **Vitreous and porcelain enamels - Characteristics of enamel coatings applied to steel panels intended for architecture**

This International Standard specifies the requirements for enamel-coated, plane, cold-rolled, heavy- and light-gauge steel panels intended for interior and exterior architectural use. It includes the functional and aesthetic characteristics and resistance to graffiti of these panels and the related coatings.

Keel en

Asendab EVS-EN 14431:2004

### **FprEN ISO 28723**

Identne FprEN ISO 28723:2010

ja identne ISO 28723:2008

Tähtaeg 29.11.2010

#### **Vitreous and porcelain enamels - Determination of the edge covering on enamelled steel plate to be used in heat exchangers**

This International Standard specifies a test method for the determination of the covering of the edge of enamelled steel plate to be used in heat exchangers.

This method is applicable to all enamelling processes. It is applicable to plates with a thickness between 0,5 mm and 1,5 mm. This method is not applicable where the current flow generated in the test exceeds 3 A.

Keel en

Asendab EVS-EN 14863:2006

### **FprEN ISO 28763**

Identne FprEN ISO 28763:2010

ja identne ISO 28763:2008

Tähtaeg 29.11.2010

#### **Vitreous and porcelain enamels - Regenerative, enamelled and packed panels for air-gas and gas-gas heat exchangers - Specifications**

This International Standard specifies the minimum requirements and the functional characteristics of enamel coatings applied by any process, such as wet dipping, wet flow-coating, wet spraying, wet electrostatic spraying, wet electrodeposition or dry-powder electrostatic spraying, to profiled steel heat exchanger panels in regenerative heat exchangers, before and after packing in baskets. For very severe service conditions, or to obtain extended operational life, more stringent limits may be agreed between customer and supplier.

Keel en

Asendab EVS-EN 14866:2006

### **FprEN ISO 28764**

Identne FprEN ISO 28764:2010

ja identne ISO 28764:2008

Tähtaeg 29.11.2010

#### **Vitreous and porcelain enamels - Production of specimens for testing enamels on sheet steel, sheet aluminium and cast iron**

This International Standard specifies a method for the production of specimens suitable for testing vitreous and porcelain enamel coatings. It specifies two different specimens: - specimens taken from production articles; - specially produced specimens.

Keel en

Asendab EVS-EN 15206:2007

## FprEN ISO 28765

Identne FprEN ISO 28765:2010

ja identne ISO 28765:2008

Tähtaeg 29.11.2010

### **Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges**

This International Standard establishes the requirements for the design and use of vitreous-enamel-coated bolted cylindrical steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges. It applies to the design of the tank and any associated roof and gives guidance on the requirements for the design of the foundation. It applies where a) the tank is cylindrical and is mounted on a load-bearing base substantially at or above ground level; b) the product of the tank diameter in metres and the wall height in metres lies within the range 5 to 500; c) the tank diameter does not exceed 100 m and the total wall height does not exceed 50 m; d) the stored material has the characteristics of a liquid, exerting a negligible frictional force on the tank wall; the stored material may be undergoing treatment as part of a municipal or industrial effluent treatment process; e) the internal pressure in the headspace above the liquid does not exceed 50 kPa and the internal partial vacuum above the liquid does not exceed 10 kPa; f) the walls of the tank are vertical; g) the floor of the tank is substantially flat at its intersection with the wall; the floor of the tank may have a rise or fall built in to allow complete emptying of the tank contents, the slope of which does not exceed 1:100; h) there is negligible inertial and impact load due to tank filling; i) the minimum thickness of the tank shell is 1,5 mm; j) the material used for the manufacture of the steel sheets is carbon steel (tanks constructed of sheets made from aluminium or stainless steel are outside the scope of this International Standard); k) the temperature of the tank wall during operation is within the range -50 °C to +100 °C under all operating conditions. This International Standard also gives details of procedures to be followed during installation on site and for inspection and maintenance of the installed tank. It does not apply to chemical-reaction vessels. It does not apply to tanks fitted with floating roofs. It does not cover resistance to fire.

Keel en

Asendab EVS-EN 15282:2007

## 27 ELEKTRI- JA SOOJUSENERGEETIKA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 257:2010**

Hind 209,00

Identne EN 257:2010

#### **Gaasiseadmete mehaanilised termostaadid**

This European Standard specifies the safety, construction and performance requirements for mechanical thermostats intended for use with gas appliances and similar use, hereafter referred to as 'thermostats'. This European Standard applies to thermostats with declared maximum inlet pressures up to and including 50 kPa (500 mbar) of nominal connection sizes up to and including DN 50 for use with one or more fuel gases in accordance with EN 437. This European Standard applies to thermostats controlling the gas flow directly or indirectly through an integral gas valve, and which do not require external electrical energy for their operation. This European Standard only applies to thermostats used with gas appliances which are not installed in the open air. Thermostats dealt with in this European Standard are intended for control functions.

Keel en

Asendab EVS-EN 257:1999

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 257:1999**

Identne EN 257:1992+A1:1996

#### **Gaasiseadmete mehaanilised termostaadid**

See standard määrab kindlaks konstruktsiooni- ja töö nõuded gaasiseadmete mehaanilistele termostaatidele. Standard kehtestab ühtlasi määratlused, katsetingimused ja märgistused. Standard kehtib mehaaniliste termostaatide kohta, mis kontrollivad gaasivoolu otseselt või kaudselt läbi integraalgaasiventili ning mis ei vaja toimimiseks välist elektrienergiat. Selle standardi nõuded kehtivad kõigi gaasiseadmete termostaatidele nii soojendusel kui jahutusel, mis ...

Keel en

Asendatud EVS-EN 257:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 16147**

Identne FprEN 16147:2010

Tähtaeg 29.11.2010

#### **Heat pumps with electrically driven compressors - Testing and requirements for marking for domestic hot water units**

This European Standard specifies methods for testing and reporting of the rating and it specifies requirements for marking of air/water, brine/water, water/water and direct exchange/water heat pumps with electrically driven compressors connected to or including a domestic hot water storage tank. When these units are used for space heating, then EN 14511-1 to EN 14511-4 applies. This European Standard comprises only factory-made units which can be ducted on the airside. This European Standard comprises only the testing procedure for the domestic hot water production of the heat pump system. NOTE Testing procedures for simultaneous operation for domestic hot water production and space heating are not treated in this standard. Simultaneous means, that domestic hot water production and space heating generation occur at the same time and may interact. In the case of units consisting of several parts, the standard applies only to those designed and supplied as a complete package. This European Standard does not include any requirement about the quality of water.

Keel en

Asendab EVS-EN 255-3:2000

### **FprEN 62282-5-1**

Identne FprEN 62282-5-1:2010

ja identne IEC 62282-5-1:201X

Tähtaeg 29.11.2010

#### **Fuel cell technologies - Part 5-1: Portable fuel cell power systems - Safety**

This part of IEC 62282 covers construction, marking and test requirements for portable fuel cell systems. These fuel cell systems are movable and not fastened or otherwise secured to a specific location. The purpose of the portable fuel cell system is to produce electrical power. This standard applies to a.c. and d.c. type portable fuel cell systems, with a rated output voltage not exceeding 600 V a.c., or 850 V d.c. for indoor and outdoor use. These portable fuel cell power systems are not to be used in hazardous locations as defined by IEC 426-03-01 unless additional protective measures are added in accordance with IEC 60079-1. This standard does not apply to portable fuel cell systems that are: a) permanently connected (hard wired) to the electrical distribution system; b) permanently connected to a utility fuel distribution system; c) exporting power to the grid; d) for propulsion or auxiliary power of road vehicles; e) micro fuel cell power systems. The following fuels and fuel feedstocks are considered within the scope of this standard: - natural gas; - liquefied petroleum gas, such as propane and butane; - liquid alcohols, for example methanol, ethanol; - gasoline; - diesel; - kerosene; - hydrogen; - metals (e.g. Mg, Al or Zn) or metal alloys immersed in electrolyte (e.g. aqueous solutions of salts or alkali) in air or oxygen; - chemical hydrides. This standard does not preclude the use of similar fuels or oxidants from sources other than air provided the unique hazards are addressed through additional requirements.

Keel en

Asendab EVS-EN 62282-5-1:2007

### **prEN ISO 12211**

Identne prEN ISO 12211:2010

ja identne ISO/DIS 12211:2010

Tähtaeg 29.11.2010

#### **Petroleum, petrochemical and natural gas industries - Spiral plate heat exchangers**

This International Standard specifies requirements and gives recommendations for the mechanical design, materials selection, fabrication, inspection, testing, and preparation for shipment of spiral plate heat exchangers for the petroleum, petrochemical and natural gas industries. It is applicable to stand-alone spiral plate heat exchangers and those integral with a pressure vessel.

Keel en

## **29 ELEKTROTEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TR 62061-1:2010**

Hind 219,00

Identne CLC/TR 62061-1:2010

ja identne IEC/TR 62061-1:2010

#### **Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery**

This Technical Report is intended to explain the application of IEC 62061 and ISO 13849-12) in the design of safety-related control systems for machinery.

Keel en

#### **CLC/TS 50238-2:2010**

Hind 219,00

Identne CLC/TS 50238-2:2010

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

This Technical Specification defines, for the purpose of ensuring compatibility between rolling stock and track circuits the limits for conducted interference from rolling stock and the measurement method for verifying conformity of rolling stock to these limits. The interference limits are only applicable to interoperable rolling stock which is intended to run on lines exclusively equipped with preferred track circuit listed in this Technical Specification. National Notified Technical Rules are still to be used in all cases, where the line over which the rolling stock is intended to run is equipped with any type of older version or non-preferred track circuits that are not listed in this Technical Specification. However, the rolling stock test methodology (infrastructure conditions, test configurations, operational conditions, etc.) presented in this Technical Specification is also applicable to establish compatibility with non-preferred track circuits. This Technical Specification gives guidance on the derivation of interference current limits specified for rolling stock and defines measurement methods and evaluation criteria. This Technical Specification defines - a set of interference current limits for RST (Rolling Stock) applicable for each of the following types of traction system: - DC (750 V, 1,5 kV and 3 kV); - 16,7 Hz AC; - 50 Hz AC. - methodology for the demonstration of compatibility between rolling stock and track circuits, - measurement method to verify interference current limits and evaluation criteria.

Keel en

**CLC/TS 50238-3:2010/AC:2010**

Hind 0,00

Identne CLC/TS 50238-3:2010/Corr:2010

**Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters**

Keel en

**CLC/TS 50238-3:2010**

Hind 219,00

Identne CLC/TS 50238-3:2010

**Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters**

This Technical Specification defines, for the purpose of ensuring compatibility between rolling stock and axle counters, the electromagnetic interference limits for rolling stock and the measurement and evaluation methods to verify rolling stock emissions and demonstrate compatibility with the interference limits. Compliance with the limits for rolling stock is necessary for a reliable and safe operation of the railway. The interference limits have been defined for application to interoperable rolling stock. They are for a set of preferred types of axle counters which are defined by Railway Infrastructure Managers for use on new signalling projects on interoperable lines. If the interoperable line over which the rolling stock is intended to run is equipped with an older version or non-listed axle counters then National Notified Technical Rules apply. It is not the intention of this Technical Specification to mandate any particular type of train detection but it is expected that because the list of selected types and their limits for compatibility are drawn on the basis of established performance criteria, the trend will be that newly signalled interoperable lines are fitted with types which meet the compatibility limits published in the Technical Specification and measured in accordance with the test specification in Annex C. To ensure an adequate operational availability, a margin of 9 dB between the measured axle counter limit and the limit for rolling stock has been applied. If rolling stock does not comply with the defined limits, the availability of the axle counters may be reduced. The measurement condition for railway vehicles with voltage DC-link are provided as an example.

Keel en

**EVS-EN 60598-2-20:2010/AC:2010**

Hind 0,00

Identne EN 60598-2-20:2010/Corr:2010

**Valgustid. Osa 2: Erinõuded. Jagu 20: Valgusketid**

Keel en

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

Hind 0,00

Identne EN 62317-2:2010/Corr:2010

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

Keel en

**KAVANDITE ARVAMUSKÜSITLUS****EN 50363-3:2005/FprAA**

Identne EN 50363-3:2005/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

**EN 50363-5:2005/FprAA**

Identne EN 50363-5:2005/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

**EN 50363-6:2005/FprAA**

Identne EN 50363-6:2005/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

**EN 50363-8:2005/FprAA**

Identne EN 50363-8:2005/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

**EN 50363-2-1:2005/FprAA**

Identne EN 50363-2-1:2005/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

**EN 50395:2005/FprAA**

Identne EN 50395:2005/FprAA:2010

Tähtaeg 29.11.2010

**Madalpingeliste jõukaablite elektrilised katsetusmeetodid**

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

Keel en

**EN 50396:2005/FprAA**

Identne EN 50396:2005/FprAA:2010

Tähtaeg 29.11.2010

**Madalpingeliste jõukaablite mitteelektrilised katsetusmeetodid**

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

Keel en

**EN 61496-1:2004/FprA2**

Identne EN 61496-1:2004/FprA2:2010

ja identne IEC 61496-1:2004/A2:201X

Tähtaeg 29.11.2010

**Masinate ohutus. Elektritundlik kaitseseadmestik. Osa 1: Üldnõuded ja katsed**

specifies general requirements for the design, construction and testing of non-contact electro-sensitive protective equipment (ESPE) designed specifically to detect persons as part of a safety related system.

Special attention is directed to functional and design requirements that ensure an appropriate safety-related performance is achieved. An ESPE may include optional safety-related functions, the requirements for which are given in Annex A.

Keel en

**FprEN 50065-1**

Identne FprEN 50065-1:2010

Tähtaeg 29.11.2010

**Madalpinge elektripaigaldistel olev signalisatsioon sagedusalal 3 kHz kuni 148,5 kHz. Osa 1: Üldnõuded, sagedusalad ja elektromagnetilised häiringud**

This standard applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 kHz to transmit information on low voltage electrical systems, either on the public electricity distribution network or within installations in consumers' premises. It specifies the frequency bands allocated to the different applications, limits for the terminal output voltage in the operating band and limits for conducted and radiated disturbance. It also gives the methods of measurement. It does not specify the modulation methods, the coding methods or functional features (except those for the prevention of mutual interference). Environmental requirements and tests are not included.

Keel en

Asendab EVS-EN 50065-1:2002; EVS-EN 50065-1:2002/A1:2010

**FprEN 50363-0**

Identne FprEN 50363-0:2010

Tähtaeg 29.11.2010

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

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

Keel en

Asendab EVS-EN 50363-0:2005

**FprEN 60422**

Identne FprEN 60422:2010

ja identne IEC 60422:201X

Tähtaeg 29.11.2010

**Mineral insulating oils in electrical equipment - Supervision and maintenance guidance**

This document gives guidance on the supervision and maintenance of the quality of the insulating oil in electrical equipment. This standard is applicable to mineral insulating oils, originally supplied conforming to IEC 60296, in transformers, switchgear and other electrical apparatus where oil sampling is reasonably practicable and where the normal operating conditions specified in the equipment specifications apply. This standard assists the power equipment operator to evaluate the condition of the oil and maintain it in a serviceable condition. It also provides a common basis for the preparation of more specific and complete local codes of practice. The standard includes recommendations on tests and evaluation procedures and outlines methods for reconditioning and reclaiming oil and the decontamination of oil contaminated with PCBs.

Keel en

Asendab EVS-EN 60422:2006

**FprEN 60598-2-2**

Identne FprEN 60598-2-2:2010

ja identne IEC 60598-2-2:201X

Tähtaeg 29.11.2010

**Valgustid. Osa 2-2: Erinõuded - Süvikvalgustid**

This part of IEC 60598 specifies requirements for recessed luminaires incorporating electric light sources for operation from supply voltages up to 1 000 V. This section does not apply to airhandling or liquid-cooled luminaires.

Keel en

Asendab EVS-EN 60598-2-2:2001

### **FprEN 62305-3:2010/FprAA**

Identne FprEN 62305-3:2010/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

## **31 ELEKTROONIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN ISO 11990-2:2010**

Hind 135,00

Identne EN ISO 11990-2:2010

ja identne ISO 11990-2:2010

#### **Laserid ja laserseadmed. Trahheaaltoru laserikindluse määramine. Osa 2: Trahheaaltoru mansetid**

This part of ISO 11990 specifies a method of testing the continuous wave (cw) resistance of the cuff regions of tracheal tubes designed to resist ignition by a laser. Other components of the system, such as the inflation system and shaft (as defined in ISO 11990-1), are outside the scope of this part of ISO 11990. NOTE 1 The method for testing the laser resistance of the tracheal tube shaft is in the scope of ISO 11990-1. The specified test method can be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions. It does not describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual clinical use conditions. However, the results of this test method may be used as an element of a fire risk assessment which takes into account all of the factors that are pertinent to an assessment of the hazard of a particular end use.

Keel en

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN 60384-2**

Identne FprEN 60384-2:2010

ja identne IEC 60384-2:201X

Tähtaeg 29.11.2010

#### **Fixed capacitors for use in electronic equipment - Part 2: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric d.c. Capacitors**

This part of IEC 60384 applies to fixed capacitors for direct current, with metallized electrodes and polyethylene-terephthalate dielectric for use in electronic equipment. These capacitors may have "self-healing properties" depending on conditions of use. They are primarily intended for applications where the a.c. component is small with respect to the rated voltage. Two performance grades of capacitors are covered, Grade 1 for long-life application and Grade 2 for general application. Capacitors for electromagnetic interference suppression and surface mount fixed metallized polyethylene-terephthalate film dielectric d.c. capacitors are not included, but are covered by IEC 60384-14 and IEC 60384-19 respectively.

Keel en

Asendab EVS-EN 60384-2-1:2008

#### **FprEN 60384-13**

Identne FprEN 60384-13:2010

ja identne IEC 60384-13:201X

Tähtaeg 29.11.2010

#### **Fixed capacitors for use in electronic equipment - Part 13: Sectional specification - Fixed polypropylene film dielectric metal foil d.c. Capacitors**

This part of IEC 60384 applies to fixed direct current capacitors, using as dielectric a polypropylene film with electrodes of thin metal foils. The capacitors covered by this standard are intended for use in electronic equipment. Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14.

Keel en

Asendab EVS-EN 60384-13:2006

#### **FprEN 60384-21**

Identne FprEN 60384-21:2010

ja identne IEC 60384-21:201X

Tähtaeg 29.11.2010

#### **Fixed capacitors for use in electronic equipment - Part 21: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1**

This part of IEC 60384 is applicable to fixed unencapsulated surface mount multilayer capacitors of ceramic dielectric, Class 1, for use in electronic equipment. These capacitors have metallized connecting pads or soldering strips and are intended to be mounted on printed boards, or directly onto substrates for hybrid circuits. Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14.

Keel en

Asendab EVS-EN 60384-21:2005



**FprEN 60384-22**

Identne FprEN 60384-22:2010

ja identne IEC 60384-22:201X

Tähtaeg 29.11.2010

**Fixed capacitors for use in electronic equipment - Part 22: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2**

This part of IEC 60384 is applicable to fixed unencapsulated surface mount multilayer capacitors of ceramic dielectric, Class 2, for use in electronic equipment. These capacitors have metallized connecting pads or soldering strips and are intended to be mounted on printed boards, or directly onto substrates for hybrid circuits. Capacitors for electromagnetic interference suppression are not included, but are covered by IEC 60384-14.

Keel en

Asendab EVS-EN 60384-22:2004

**FprEN 60512-16-21**

Identne FprEN 60512-16-21:2010

ja identne IEC 60512-16-21:201X

Tähtaeg 29.11.2010

**Connectors for electronic equipment - Tests and measurements - Part 16-21: Test 16u: Whisker test via the application of external mechanical stresses**

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of IEC technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to define a standard test method to assess the possibility of whisker growth by external mechanical stress on the tin and tin-alloy plated parts of a connector in its application (after wire termination, after soldering, after mounting, mated with counterpart). This standard does not cover internal stress type whisker. While for internal stress type whisker, it is possible to apply accelerated test conditions, e.g.: by damp heat or temperature cycling, for the external mechanical stress type whisker covered by this standard, due to the different whisker generation mechanism, there are no accelerated conditions. The test detailed in this standard shall then be conducted under normal ambient conditions.

Keel en

**FprEN 61587-2**

Identne FprEN 61587-2:2010

ja identne IEC 61587-2:201X

Tähtaeg 29.11.2010

**Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 2: Seismic tests for cabinets and racks**

This part of IEC 61587 specifies seismic tests for cabinets and racks accommodated with IEC 60917 and 60297 series. It applies, in whole or in part, only to the mechanical structures of cabinets and racks for electronic equipment according to the above cited series of standards, while it does not apply to the electronic equipment or systems deemed to be installed within these mechanical structures. This standard does not apply also to a cabinet or a rack having an anti-seismic isolation structure, either external or internal. This standard aims to provide for test conditions and criteria that constitute a reference to evaluate the ability of the mechanical structure of the cabinets or racks to acceptably withstand specified seismic intensities. For this purpose, this standard specifies test specimen conditions, such as dimensions (i.e. height, width and depth) of the cabinet and the rack, the load distribution, structural test condition of it, and the RRS (required response spectra) of single-axis or tri-axis acceleration as the seismic test wave condition. The single-axis or triaxis acceleration is selectable.

Keel en

Asendab EVS-EN 61587-2:2002

**FprEN 61988-2-4**

Identne FprEN 61988-2-4:2010

ja identne IEC 61988-2-4:201X

Tähtaeg 29.11.2010

**Plasma display panels - Part 2-4: Measuring methods - Visual quality: Image artifacts**

This part of IEC 61988 determines the measuring methods for characterizing the performance of plasma display panel (PDP) modules in the following areas: a) Viewing angle b) Image streaking c) Flicker d) Moving picture resolution

Keel en

**FprEN 62341-6-2**

Identne FprEN 62341-6-2:2010

ja identne IEC 62341-6-2:201X

Tähtaeg 29.11.2010

**Organic light emitting diode (OLED) displays - Part 6-2: Measuring methods of visual quality and ambient performance**

This document specifies the standard measurement conditions and measurement methods for determining the visual quality and ambient performance of organic light-emitting diode (OLED) display modules and panels. This document mainly applies to colour display modules.

Keel en

## 33 SIDETEHNIKA

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 13309:2000**

Identne EN 13309:2000

#### **Ehitusmasinad. Sisemise elektrivarustusega masinate elektromagnetiline ühilduvus**

This European Standard provides test methods and acceptance criteria for the evaluation of the electromagnetic compatibility of construction machinery. Electrical and/or electronic component(s) or separate technical unit(s) intended to be fitted in construction machinery are also dealt with in this European Standard, except regarding immunity for those parts whose functions are involved in the direct control and/or modification of the state functions of the machine.

Keel en

Asendatud EVS-EN 13309:2010

### KAVANDITE ARVAMUSKÜSITLUS

#### **FprEN 50065-1**

Identne FprEN 50065-1:2010

Tähtaeg 29.11.2010

#### **Madalpinge elektripaigaldistel olev signalisatsioon sagedusalal 3 kHz kuni 148,5 kHz. Osa 1: Üldnõuded, sagedusalad ja elektromagnetilised häiringud**

This standard applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 kHz to transmit information on low voltage electrical systems, either on the public electricity distribution network or within installations in consumers' premises. It specifies the frequency bands allocated to the different applications, limits for the terminal output voltage in the operating band and limits for conducted and radiated disturbance. It also gives the methods of measurement. It does not specify the modulation methods, the coding methods or functional features (except those for the prevention of mutual interference). Environmental requirements and tests are not included.

Keel en

Asendab EVS-EN 50065-1:2002; EVS-EN 50065-1:2002/A1:2010

#### **FprEN 50411-6-1**

Identne FprEN 50411-6-1:2010

Tähtaeg 29.11.2010

#### **Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 6-1: Unprotected microduct for category S and A**

Product definition - This specification contains the initial, start of life dimensional, mechanical and environmental performance requirements which an unprotected microduct must meet. It does not address the installation capability of these products which must be agreed between the user and supplier. Operating environment - The tests selected combined with the severities and duration are representative of an outside plant for subterranean and/or aerial environment defined by: ETS 300 019 class 8.1: underground locations (without earthquake requirement) IEC 61753-1 category S: subterranean environment category A: aerial environment Quality assurance - Compliance with this specification does not guarantee the manufacturing consistency of the product. This should be maintained using a recognised quality assurance programme. Allowed product types - This standard covers all IEC standard optical fibre unprotected microducts. This includes, but is not limited to, optical fibre cable standard EN 60794-5. Allowed microduct connector types - This microduct standard allows the use of all EN standard microduct connectors, including: straight, reducer/enlarger stem, reducer/enlarger, close down, liquid block, liquid block with barb end, and end stop connectors. This includes standards EN 50411-2-8: Microduct connectors, for air blown optical fibres, Type 1.

Keel en

#### **FprEN 61249-2-27**

Identne FprEN 61249-2-27:2010

ja identne IEC 61249-2-27:201X

Tähtaeg 29.11.2010

#### **Materials for printed boards and other interconnecting structures - Part 2-27: Reinforced base materials clad and unclad - Bismaleimide/triazine modified with non-halogenated epoxide woven glass laminate sheets of defined flammability (vertical burning test), copper-clad**

This specification gives requirements for properties of bismaleimide/triazine modified with nonhalogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad in thicknesses of 0,03 mm up to 1.60 mm. The flammability rating is achieved through the use of non-halogenated inorganic and/or organic compounds acting as fire retardants. These fire retardants are contained as part of polymeric structure or in addition to it. The glass transition temperature is defined to be 160°C minimum. Some property requirements may have several classes of performance. The class desired must be specified on the purchase order, otherwise the default class of material may be supplied.

Keel en

#### **FprEN 61249-2-30**

Identne FprEN 61249-2-30:2010

ja identne IEC 61249-2-30:201X

Tähtaeg 29.11.2010

**Materials for printed boards and other interconnecting structures - Part 2-30: Reinforced base materials clad and unclad - Non-halogenated epoxide modified cyanate ester woven glass laminate sheets of defined flammability (vertical burning test), copper-clad**

This specification gives requirements for properties of non-halogenated epoxide modified cyanate ester woven glass laminate of defined flammability (vertical burning test), copperclad in thicknesses of 0,03 mm up to 1,60 mm. The flammability rating is achieved through the use of non-halogenated inorganic and/or organic compounds acting as fire retardants. These fire retardants are contained as part of polymeric structure or in addition to it. The glass transition temperature is defined to be 160°C minimum. Some property requirements may have several classes of performance. The class desired should be specified on the purchase order, otherwise the default class of material may be supplied.

Keel en

#### **FprEN 61249-2-39**

Identne FprEN 61249-2-39:2010

ja identne IEC 61249-2-39:201X

Tähtaeg 29.11.2010

**Materials for printed boards and other interconnecting structures - Part 2-39: Reinforced base materials clad and unclad - Modified epoxide and non-epoxide, woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly**

This specification gives requirements for properties of modified brominated epoxide woven E-glass laminated sheet 0,05 mm up to 3,2 mm, of defined flammability (vertical burning test), copper-clad. The glass transition temperature is defined to be 170°C minimum. Its flame resistance is defined in terms of the flammability requirements of 7.3. Some property requirements may have several classes of performance. The class desired must be specified on the purchase order otherwise the default class of material will be supplied.

Keel en

#### **FprEN 61249-2-40**

Identne FprEN 61249-2-40:2010

ja identne IEC 61249-2-40:201X

Tähtaeg 29.11.2010

**Materials for printed boards and other interconnecting structures - Part 2-40: Reinforced base materials clad and unclad - High performance, modified, non-halogenated epoxide woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly**

This specification gives requirements for properties of modified non-halogenated epoxide woven E-glass laminated sheet 0,05 mm up to 3,2 mm, of defined flammability (vertical burning test), copper-clad. The glass transition temperature is defined to be 170°C minimum. Its flame resistance is defined in terms of the flammability requirements of 7.3. Some property requirements may have several classes of performance. The class desired must be specified on the purchase order otherwise the default class of material will be supplied.

Keel en

#### **FprEN 62572-3**

Identne FprEN 62572-3:2010

ja identne IEC 62572-3:201X

Tähtaeg 29.11.2010

**Fibre optic active components and devices - Reliability standards - Part 3: Laser modules used for telecommunication**

This International Standard deals with reliability assessment of laser modules used for telecommunication. The aim of this standard is: – to establish a standard method of assessing the reliability of laser modules in order to minimize risks and to promote product development and reliability; – to establish means by which the distribution of failures with time can be determined. This should enable the determination of equipment failure rates for specified end of life criteria. In addition, guidance is given in IEC/TR 62752-2.

Keel en

## **35 INFOTEHNOLOOGIA. KONTORISEADMED**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TS 14907-1:2010/AC:2010**

Hind 0,00

Identne CEN ISO/TS 14907-1:2010/AC:2010

**Road transport and traffic telematics - Electronic fee collection - Test procedures for user and fixed equipment - Part 1: Description of test procedures**

Keel en

**CEN/TS 16071:2010**

Hind 124,00

Identne CEN/TS 16071:2010

**Interoperability of Flight Data Processing (Air Traffic Control - Air Traffic Control) for application under the Single European Sky - Interoperability Regulation EC 552/2004**

This Technical Specification is for the production of conformity evidence for FDP-FDP ground-based system interoperability which has to be declared by the Air Navigation Service Provider (ANSP) before putting FDP-systems into service. This Technical Specification defines the Technical, Operational and Maintenance requirements for Flight Data Processing (ATC-ATC) system interoperability. Flight Data Processing (FDP) interoperability between ATC units is a key element to facilitate and harmonise Flight Data systems data exchanges and critical to the functioning of a harmonised European Air Traffic Management system. FDP Interoperability can be achieved by the use of different techniques appropriate to the operational need, e.g. message exchange, replication mechanisms and data sharing. The architectural framework in which the different actors have to inter-operate is of major importance to define the context in which the European Standards have to be developed. For a systematic solution to certain flight data inconsistency problems currently existing in Europe, the definition of a Flight Object (FO) is required to become a conceptual single point of reference for flight data to be used by stakeholder systems. Interoperability of FDP (ATC-ATC) includes coordination and transfer; correlation and surveillance, facilitation of optimum routes; MTCD and resolutions; recovery support; ground-ground situation awareness and traffic management. Any software elements related to the software assurance level of a FDP System are outside of the scope of the present document. Although a consensus can be reached on the present state of the art in FDP interoperability, this state of the art is not mature enough to be put into a European Standard (EN). The European Committee for Standardisation thus resolved to record the obtained technical consensus as the present Technical Specification, with informative status. The present document thus does not give legal presumption of conformity to any piece of European legislation.

Keel en

**CLC/TR 62541-1:2010**

Hind 178,00

Identne CLC/TR 62541-1:2010

ja identne IEC/TR 62541-1:2010

**OPC unified architecture - Part 1: Overview and concepts**

This part of IEC 62541 presents the concepts and overview of the Unified Architecture (OPC UA) specification produced by the OPC Foundation. Reading this report enables the reader to understand the series of IEC 62541 standards. Each of the other parts is briefly explained along with a suggested reading order.

Keel en

**CLC/TR 62541-2:2010**

Hind 198,00

Identne CLC/TR 62541-2:2010

ja identne IEC/TR 62541-2:2010

**OPC unified architecture - Part 2: Security model**

This part of IEC 62541 describes the OPC Unified Architecture (OPC UA) security model. It describes the security threats of the physical, hardware and software environments in which OPC UA is expected to run. It describes how OPC UA relies upon other standards for security. It gives an overview of the security features that are specified in other parts of the OPC UA specification. It references services, mappings, and profiles that are specified normatively in other parts of this series of standards. Note that there are many different aspects of security that have to be addressed when developing applications. However since OPC UA specifies a communication protocol, the focus is on securing the data exchanged between applications. This does not mean that an application developer can ignore the other aspects of security like protecting persistent data against tampering. It is important that the developer look into all aspects of security and decide how they can be addressed in the application. This part of IEC 62541 is directed to readers who will develop OPC UA client or server applications or implement the OPC UA services layer. It is assumed that the reader is familiar with Web Services and XML/SOAP. Information on these technologies can be found in SOAP Part 1 and SOAP Part 2.

Keel en

**CWA 16200:2010**

Hind 377,00

Identne CWA 16200:2010

**A Guide to the Development and Use of Standards Compliant Data Formats for Engineering Materials Test Data**

The present document gives guidance on the development of computer-readable data formats that comply with technical standards for mechanical testing. This guidance extends to the interpretation of the written testing procedure and extraction of the relevant information. For this, many considerations will need to be taken into account, including the structure implicit to the written document itself and the applicability of existing specifications, such as ISO 10303-45, ISO 10303-235, MatML, JRC MatDB, and NMC MatDB. The present document focuses on the development of data formats for a specific technical standard, namely EN ISO 6892-1:2009 Metallic materials — Tensile testing — Part 1: Method of test at ambient temperature, but is intended to deliver guidance on the general case translating any mechanical Testing Standards and associated Calibration Standards to a computer-readable format.

Keel en

**EVS-EN 15907:2010**

Hind 219,00

Identne EN 15907:2010

**Film identification - Enhancing interoperability of metadata - Element sets and structures**

This European Standard specifies a set of metadata for the description of cinematographic works, as well as a terminology for use by parties wishing to exchange such descriptive metadata. It also defines some basic entities and relationships useful for defining data models as well as for structuring hierarchically ordered and serialised representations of metadata about cinematographic works including their variants, manifestations, and items. Specific vocabularies for values of elements and attributes are mandated only in selected cases, and only if these vocabularies are actively maintained by a standardisation body.

Keel en

**EVS-EN ISO 7779:2010**

Hind 271,00

Identne EN ISO 7779:2010

ja identne ISO 7779:2010

**Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment**

This International Standard specifies procedures for measuring and reporting the noise emission of information technology and telecommunications equipment. NOTE 1 This International Standard is considered part of a noise test code (see 3.1.2) for this type of equipment, and is based on basic noise emission standards (see 3.1.1) ISO 3741, ISO 3744, ISO 3745 and ISO 11201. The basic emission quantity is the A-weighted sound power level which may be used for comparing equipment of the same type but from different manufacturers, or for comparing different equipment. Three basic noise emission standards for determination of the sound power levels are specified in this International Standard in order to avoid undue restriction on existing facilities and experience. ISO 3741 specifies comparison measurements in a reverberation test room; ISO 3744 and ISO 3745 specify measurements in an essentially free field over a reflecting plane. Any one of these three basic noise emission standards can be selected and used exclusively in accordance with this International Standard when determining sound power levels of a machine. The A-weighted sound power level is supplemented by the A-weighted emission sound pressure level determined at the operator position(s) or the bystander positions, based on basic noise emission standard ISO 11201. This sound pressure level is not a worker's immission rating level, but it can assist in identifying any potential problems that could cause annoyance, activity interference, or hearing damage to operators and bystanders. Methods for determination of whether the noise emission includes prominent discrete tones or is impulsive in character are specified in Annexes D and E, respectively. This International Standard is suitable for type tests and provides methods for manufacturers and testing laboratories to obtain comparable results. The methods specified in this International Standard allow the determination of noise emission levels for a functional unit (see 3.1.4) tested individually. The procedures apply to equipment which emits broad-band noise, narrow-band noise and noise which contains discrete-frequency components, or impulsive noise. The sound power and emission sound pressure levels obtained can serve noise emission declaration and comparison purposes (see ISO 9296). NOTE 2 The sound power and emission sound pressure levels obtained are not to be considered as installation noise immission levels; however, they can be used for installation planning (see ECMA TR/27[4]). If sound power levels obtained are determined for a number of functional units of the same production series, they can be used to determine a statistical value for that production series (see ISO 9296).

Keel en

Asendab EVS-EN ISO 7779:2002

**EVS-EN ISO/IEC 15438:2010**

Hind 336,00

Identne EN ISO/IEC 15438:2010

ja identne ISO/IEC 15438:2006

**Information technology - Automatic identification and data capture techniques - PDF417 bar code symbology specification**

This International Standard specifies the requirements for the bar code symbology known as PDF417. It specifies PDF417 symbology characteristics, data character encodation, symbol formats, dimensions, error correction rules, reference decoding algorithm, and a number of application parameters.

Keel en

Asendab EVS-EN ISO 15438:2003

**EVS-EN ISO 21549-8:2010**

Hind 124,00

Identne EN ISO 21549-8:2010

ja identne ISO 21549-8:2010

**Health informatics - Patient healthcard data - Part 8: Links**

This part of ISO 21549 defines a way to facilitate access to distributed patient records and/or administrative information using healthcards. It defines the structure and elements of "links" typically stored in healthcards and representing references to individual patients' records as well as to subcomponents of them. Access control mechanisms, data protection mechanisms, access methods and other security services are outside the scope of this part of ISO 21549.

Keel en

**EVS-EN ISO 24534-1:2010**

Hind 124,00

Identne EN ISO 24534-1:2010

ja identne ISO 24534-1:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of ISO 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 Parts 2, 3, 4 and 5 of ISO 24534 and more limited, though relevant, provisions are defined in ISO 24535.

Keel en

Asendab CEN ISO/TS 24534-1:2007

**EVS-EN ISO 24534-2:2010**

Hind 166,00

Identne EN ISO 24534-2:2010

ja identne ISO 24534-2:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of ISO 24534 defines the operational requirements for the remaining parts of ISO 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 24534, a list of potential stakeholders in the public and private sector has been included.

Keel en

Asendab CEN ISO/TS 24534-2:2007

**EVS-EN ISO 24534-3:2010**

Hind 219,00

Identne EN ISO 24534-3:2010

ja identne ISO 24534-3:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of ISO 24534 defines the vehicle identification data. This data is called the ERI data and includes - the vehicle identifier, and - possible additional vehicle-related information (as typically included in a vehicle registration certificate). All additional vehicle data elements are defined as optional. It is left to local legislation and/or the discretion of a registration authority to use or not to use a particular data element. If used, the value is assumed to be the one registered by the registration authority in accordance with local legislation. This part of ISO 24534 only provides the syntax for all these data elements.

Keel en

Asendab CEN ISO/TS 24534-3:2008

**EVS-EN ISO 24534-4:2010**

Hind 315,00

Identne EN ISO 24534-4:2010

ja identne ISO 24534-4:2010

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

This part of ISO 24534 provides requirements for electronic registration identification (ERI) that are 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; - commercial services. It adheres to privacy and data protection regulations. This part of 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. NOTE 1 The onboard device containing the ERI data is called the electronic registration tag (ERT). This part of ISO 24534 includes: - the application layer interface between an ERT and an onboard ERI reader or writer; - the application layer interface between the onboard ERI equipment and external ERI readers and writers; - security issues related to the communication with the ERT.

Keel en

Asendab CEN ISO/TS 24534-4:2008

**EVS-EN ISO/IEC 15419:2010**

Hind 198,00

Identne EN ISO/IEC 15419:2010

ja identne ISO/IEC 15419:2009

**Information technology - Automatic identification and data capture techniques - Bar code digital imaging and printing performance testing**

This International Standard describes the characteristics and defines categories of bar code digital imaging systems, identifies the attributes of each system which are required to be controlled, and specifies minimum requirements for those attributes. It defines test methods for assessing the conformance of those attributes with this International Standard. It is intended to be used in conjunction with International Standards which detail the methodology for assessing the quality of a bar code symbol, such as ISO/IEC 15416. This International Standard does not apply to Bar Code Masters, which are covered by ISO/IEC 15421.

Keel en

Asendab EVS-EN ISO/IEC 15419:2002

**EVS-ENV 13730-2:2010**

Hind 336,00

Identne ENV 13730-2:2002

**Health informatics - Blood transfusion related messages - Part 2: Production related messages (BTR-PROD)**

Transfusion of blood [3.7] and blood components [3.9] (blood products) to subjects of care [3.48] is a medical activity that is subject to many legal regulations and constraints. Many problems may be encountered during treatment due to immunological conditions, transmitted diseases, sustainability and other difficulties. Mistakes and failures may have serious or even fatal consequences. Minimising human activity through the increased use of data processing and automated messaging will introduce an additional safety mechanism. This ENV specifies general messages [3.41] for electronic information interchange between computer systems used by healthcare [3.29] parties [3.33] in the blood transfusion [3.16] domain. The content and structure of the messages specified in this ENV have been developed with the aim of optimising the safety of blood transfusion activity and to facilitate compliance monitoring and secure audit trails [3.2].

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****CEN ISO/TS 24534-1:2007**

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 EVS-EN ISO 24534-1:2010

**CEN ISO/TS 24534-2:2007**

Identne CEN ISO/TS 24534-2:2007

ja identne ISO/TS 24534-2:2007

**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

Asendatud EVS-EN ISO 24534-2:2010

**CEN ISO/TS 24534-3:2008**

Identne CEN ISO/TS 24534-3:2008

ja identne ISO/TS 24534-3:2008

**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

Asendatud EVS-EN ISO 24534-3:2010

**CEN ISO/TS 24534-4:2008**

Identne CEN ISO/TS 24534-4:2008

ja identne ISO/TS 24534-4:2008

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

This 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, - safety-related purposes, - crime reduction, and - commercial services.

Keel en

Asendatud EVS-EN ISO 24534-4:2010

**EVS-EN ISO 7779:2002/A1:2004**

Identne EN ISO 7779:2001/A1:2003

ja identne ISO 7779:1999/A1:2003

**Akustika. Infotehnoloogia ja telekommunikatsiooniseadmete õhumüra mõõtmine. Muudatus 1: Müra mõõtmise spetsifikatsioon CD/DVDROM seadmetel**

Standard määrab kindlaks meetmed infotehnoloogia ja telekommunikatsiooniseadmete müra mõõtmiseks ja protokollimiseks. Standard põhineb standardites ISO 3740, ISO 3741, ISO 3742, ISO 3744 ja ISO 3745 esitatud mõõtmisprotseduuridel. Põhiline emissiooni suuruse näitaja on A-sageduskorrektsiooniga mõõdetud helivõimsustase, mida saab kasutada kas eri tootjate samatüübiliste seadmete võrdlemiseks või erisuguste seadmete võrdlemiseks.

Keel en

**EVS-EN ISO 7779:2002**

Identne EN ISO 7779:2001

ja identne ISO 7779:1999

**Akustika. Infotehnoloogia ja telekommunikatsiooniseadmete õhumüra mõõtmine**

Standard määrab kindlaks meetmed infotehnoloogia ja telekommunikatsiooniseadmete müra mõõtmiseks ja protokollimiseks. Standard põhineb standardites ISO 3740, ISO 3741, ISO 3742, ISO 3744 ja ISO 3745 esitatud mõõtmisprotseduuridel. Põhiline emissiooni suuruse näitaja on A-sageduskorrektsiooniga mõõdetud helivõimsustase, mida saab kasutada kas eri tootjate samatüübiliste seadmete võrdlemiseks või erisuguste seadmete võrdlemiseks.

Keel en

Asendab EVS-EN 27779:1999

Asendatud EVS-EN ISO 7779:2010

**EVS-EN ISO 15225:2000/A2:2005**

Identne EN ISO 15225:2000/A2:2005

ja identne ISO 15225:2000/Amd1:2004

**Nomenklatuur. Meditsiinivahendite nomenklatuurisüsteemi spetsifikatsioon ettenähtud andmevahetuse otstarbel**

This European Standard specifies requirements and guidance for the construction of a nomenclature for medical devices in order to facilitate co-operation and exchange of regulatory data on an international level between interested parties such as: Regulatory Authorities, Manufacturers, Suppliers, Health Care Providers, and End Users.

Keel en

Asendatud EVS-EN ISO 15225:2010

**EVS-EN ISO 15438:2003**

Identne EN ISO 15438:2003

ja identne ISO/IEC 15438:2001

**Information technology - Automatic identification and data capture techniques - Bar code symbology specifications - PDF417**

This International Standard specifies the requirements for the bar code symbology known as PDF417. It specifies PDF417 symbology characteristics, data character encodation, symbol formats, dimensions, error correction rules, decoding algorithm, and a number of application parameters

Keel en

Asendatud EVS-EN ISO/IEC 15438:2010



**EVS-EN ISO/IEC 15419:2002**

Identne EN ISO/IEC 15419:2002

ja identne ISO/IEC 15419:2001

**Information technology - Automatic identification and data capture techniques - Bar code digital imaging and printing performance testing**

This standard describes the characteristics of, and defines the categories of, bar code digital imaging systems, identifies the attributes of each system which are required to be controlled, and specifies minimum requirements for those attributes.

Keel en

Asendatud EVS-EN ISO/IEC 15419:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 15430-1:2008/FprA1**

Identne EN 15430-1:2007/FprA1:2010

Tähtaeg 29.11.2010

**Winter and road service area maintenance equipments - Data acquisition and transmission - Part 1: In vehicle data acquisition**

This European Standard specifies a standardized protocol for downloading data from the equipment control box to an in-vehicle board computer to ensure interchangeability between a vehicle and different equipments that the same vehicle can carry. It specifies the interface connection as well as variables, records and reports which permit standardized protocol to cover applications with the greatest possible variety of equipments for performing winter maintenance and road service area maintenance.

Keel en

**EVS-ISO/IEC 10373-6:2007/prA1:2010**

ja identne ISO/IEC 10373-6:2001/Amd 1:2007

Tähtaeg 30.11.2010

**Identifitseerimiskaardid – Katsemeetodid – Osa 6: Kaugtoimekaardid . Muudatus 1: Katsemeetod lähikaartidele**

Keel en

**EVS-ISO/IEC 10373-6:2007/prA5:2010**

ja identne ISO/IEC 10373-6:2001/Amd 5:2007

Tähtaeg 30.11.2010

**Identifitseerimiskaardid – Katsemeetodid – Osa 6: Kaugtoimekaardid . Muudatus 5: Bitiklassid fc/64, fc/32 and fc/16**

Keel en

**EVS-ISO/IEC 10646:2007/prA3:2010**

ja identne ISO/IEC 10646:2003/Amd 3:2008

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS). Muudatus 3: Lepcha, OI Chiki, Saurashtra, Vai ja teised tähemärgid**

Keel en

**EVS-ISO/IEC 10646:2007/prA6:2006**

ja identne ISO/IEC 10646:2003/Amd 6:2009

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS). Muudatus 6: Jaava, Samariitia ja teised tähemärgid**

Keel en

**EVS-ISO/IEC 10646:2007/prA7:2010**

ja identne ISO/IEC 10646:2003/Amd 7:2010

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS). Muudatus 7: Mandaic, Batak, Brahmi ja teised tähemärgid**

Keel en

**EVS-ISO/IEC 10646:2007/prA2:2010**

ja identne ISO/IEC 10646:2003/Amd 2:2006

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS). Muudatus 2: N'Ko, Foiniikia ja teised tähemärgid**

Keel en

**EVS-ISO/IEC 10646:2007/prA1:2010**

ja identne ISO/IEC 10646:2003/Amd 1:2005

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS) . Muudatus 1: Kopti, Gruusia ja teised tähemärgid**

Keel en

**EVS-ISO/IEC 10646:2007/prA5:2010**

ja identne ISO/IEC 10646:2003/Amd 5:2008

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS). Muudatus 5: Tai keeleversioonide, Egiptuse hieroglüüfide ja teised tähemärgid**

Keel en

**EVS-ISO/IEC 10646:2007/prA4:2010**

ja identne ISO/IEC 10646:2003/Amd 4:2008

Tähtaeg 30.11.2010

**Infotehnoloogia – Mitmeoktetine universaalne koodimärgistik (UCS). Muudatus 4: Mänguklotside ja muud tähemärgid**

Keel en

**EVS-ISO/IEC 18000-6:2005/prA1:2010**

ja identne ISO/IEC 18000-6:2004/Amd 1:2006

Tähtaeg 30.11.2010

**Infotehnoloogia – Raadiosageduse tuvastaja üksuse haldamiseks – Osa 6: Raadioliidese edastusparameetrid 860 MHz kuni 960 MHz juures. Muudatus 1: Laiendus tüübiga C ning uuendus tüüpidele A ja B**

Keel en

## **FprEN ISO 12052**

Identne FprEN ISO 12052:2010

ja identne ISO 12052:2006

Tähtaeg 29.11.2010

### **Health informatics - Digital imaging and communication in medicine (DICOM) including workflow and data management**

Within the field of health informatics this International Standard addresses the exchange of digital images, and information related to the production and management of those images, between both medical imaging equipment and systems concerned with the management and communication of that information.

This International Standard is intended to facilitate interoperability of medical imaging equipment and information systems by specifying: - a set of protocols to be followed by systems claiming conformance to this International Standard. - the syntax and semantics of commands and associated information data models that ensure effective communication between implementations of this International Standard; - information that shall be supplied with an implementation for which conformance to this International Standard is claimed. This International Standard does not specify: - the implementation details of any features of this International Standard on a device or systems for which conformance is claimed; - the overall set of features and functions to be expected from a larger system implemented by integrating a group of devices and systems each claiming conformance to this International Standard; - a testing/validation procedure to assess an implementation's conformance to this International Standard. Within health informatics, both medical imaging systems and equipment concerned with the management and communication of medical image data may also be required to interoperate with systems in other areas of health informatics. The communication of these data with these other areas may be in the scope of other standards.

Keel en

Asendab EVS-EN 12052:2004

## **FprEN ISO 12967-1**

Identne FprEN ISO 12967-1:2010

ja identne ISO 12967-1:2009

Tähtaeg 29.11.2010

### **Health informatics - Service architecture - Part 1: Enterprise viewpoint**

This part of ISO 12967 provides guidance for the description, planning and development of new systems, as well as for the integration of existing information systems, both within one enterprise and across different healthcare organizations, through an architecture integrating the common data and business logic into a specific architectural layer (i.e. the middleware), distinct from individual applications and accessible throughout the whole information system through services.

Keel en

Asendab EVS-EN 12967-1:2007

## **FprEN ISO 12967-2**

Identne FprEN ISO 12967-2:2010

ja identne ISO 12967-2:2009

Tähtaeg 29.11.2010

### **Health informatics - Service architecture - Part 2: Information viewpoint**

This part of ISO 12967 specifies the fundamental characteristics of the information model to be implemented by a specific architectural layer (i.e. the middleware) of the information system to provide a comprehensive and integrated storage of the common enterprise data and to support the fundamental business processes of the healthcare organization, as defined in ISO 12967-1. The information model is specified without any explicit or implicit assumption on the physical technologies, tools or solutions to be adopted for its physical implementation in the various target scenarios. The specification is nevertheless formal, complete and non-ambiguous enough to allow implementers to derive an efficient design of the system in the specific technological environment that will be selected for the physical implementation. This specification does not aim at representing a fixed, complete, specification of all possible data that can be necessary for any requirement of any healthcare enterprise. It specifies only a set of characteristics, in terms of overall organization and individual information objects, identified as fundamental and common to all healthcare organizations, and that is satisfied by the information model implemented by the middleware. Preserving consistency with the provisions of this part of ISO 12967, physical implementations allow extensions to the standard information model in order to support additional and local requirements. Extensions include both the definition of additional attributes in the objects of the standard model, and the implementation of entirely new objects. Also this standard specification is extensible over time according to the evolution of the applicable standardization initiatives. The specification of extensions is carried out according to the methodology defined in ISO 12967-1:2009, Clause 7, "Methodology for extensions".

Keel en

Asendab EVS-EN 12967-2:2007

### **FprEN ISO 12967-3**

Identne FprEN ISO 12967-3:2010

ja identne ISO 12967-3:2009

Tähtaeg 29.11.2010

#### **Health informatics - Service architecture - Part 3: Computational viewpoint**

HISA specifies fundamental requirements for 'information infrastructure' and healthcare specific middleware services. This part of ISO 12967 specifies the fundamental characteristics of the computational model to be implemented by a specific architectural layer of the information system (i.e. the middleware) to provide a comprehensive and integrated interface to the common enterprise information and to support the fundamental business processes of the healthcare organization, as defined in ISO 12967-1. The computational model is specified without any explicit or implicit assumption about the physical technologies, tools or solutions to be adopted for its physical implementation in the various target scenarios. The specification is nevertheless formal, complete and non-ambiguous enough to allow implementers to derive an efficient design of the system in the specific technological environment which will be selected for the physical implementation. The computational model provides the basis for ensuring consistency between different engineering and technology specifications (including programming languages and communication mechanisms) since they must be consistent with the same computational object model. This consistency allows open inter-working and portability of components in the resulting implementation. This specification does not aim at representing a fixed, complete, specification of all possible interfaces that may be necessary for any requirement of any healthcare enterprise. It specifies only a set of characteristics –in terms of overall organization and individual computational objects, identified as fundamental and common to all healthcare organizations, and that are satisfied by the computational model implemented by the middleware. Preserving consistency with the provisions of this part of ISO 12967, physical implementations shall allow extensions to the standard computational model in order to support additional and local requirements. Extensions shall include both the definition of additional properties in the objects of the standard model and the implementation of entirely new objects. Also this standard specification shall be extendable over time according to the evolution of the applicable standardization initiatives. The specification of extensions shall be carried out according to the methodology defined in Clause 7 of ISO 12967-1:2009, which identifies a set of healthcare common information services, describing their need and the methodology through which they will be used. These are only the minimal identifiable set of services according to the needs of the healthcare enterprise, and constituting the "middleware" platform (i.e. integration platform) to serve as the basis for healthcare applications, e.g. EHR or patient administration.

Keel en

Asendab EVS-EN 12967-3:2007

#### **EVS-ISO/IEC 10373-6:2007/prA7:2010**

ja identne ISO/IEC 10373-6:2001/Amd 7:2010

Tähtaeg 30.11.2010

#### **Identifitseerimiskaardid – Katsemeetodid – Osa 6: Kaugtoimekaardid . Muudatus 7: Katsemeetodid e-passile**

Keel en

### **prEN ISO 11238**

Identne prEN ISO 11238:2010

ja identne ISO/DIS 11238:2010

Tähtaeg 29.11.2010

#### **Health Informatics - Identification of medicinal products - Data and structures for unique identification and exchange of regulated information on substances**

This document provides an information model to define and identify substances within medicinal products or used for medicinal purposes, including dietary supplements, food and feed additives and cosmetics. The document references other standards and external terminological resources that are applicable to this standard.

Keel en

#### **prEN ISO 11239**

Identne prEN ISO 11239:2010

ja identne ISO/DIS 11239:2010

Tähtaeg 29.11.2010

#### **Health informatics - Identification of medicinal products - Data elements and structures for unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation and routes of administration**

This international standard: - specifies the data elements, structures, and relationships between the data elements required for the exchange of information that uniquely and with certainty identify pharmaceutical dose forms, units of presentation, routes of administration and packaging items (containers, closures and administration devices) related to medicinal products; - specifies a mechanism for the translation of the terms from English into other languages, which is an integral part of the information exchange; - specifies a mechanism for the versioning of the concepts in order to track their evolution; - specifies rules to allow regional authorities to map existing regional terms to the terms created using this standard, in a harmonised and meaningful way. In addition, to support the successful application of this International Standard, references to other normative Identification of Medicinal Products (IDMP) and messaging standards for medicinal product information are provided as required.

Keel en

#### **prEN ISO 11240**

Identne prEN ISO 11240:2010  
ja identne ISO/DIS 11240:2010  
Tähtaeg 29.11.2010

#### **Health informatics - Identification of medicinal products - Data elements and structures for unique identification and exchange of units of measurement**

This international standard - specifies rules for the usage and coded representation of units of measurement for the purpose of exchanging information about quantitative medicinal product characteristics (e.g. strength) in the human medicine domain, that require units of measurement, - establishes requirements for units in order to provide traceability to international metrological standards, - provides rules for the standardized and machine-readable documentation of quantitative composition and strength of medicinal products, specifically in the context of medicinal product identification, - defines the requirements for the representation of units of measurement in coded form - provides structures and rules for mapping between different unit vocabularies and language translations to support the implementation of this standard, taking into account that existing systems, dictionaries and repositories use a variety of terms and codes for the representation of units. The scope of this standard is limited to the representation of units of measurement for data interchange between computer applications.

Keel en

#### **prEN ISO 11615**

Identne prEN ISO 11615:2010  
11615:2010  
ja identne ISO/DIS 11615:2010  
Tähtaeg 29.11.2010

#### **Health informatics - Identification of medicinal products - Data elements and structures for unique identification and exchange of regulated medicinal product information**

The standards listed in the introduction define, characterise and uniquely identify regulated medicinal products for human use during their entire life cycle i.e. from development, to authorization, post-marketing and renewal or withdrawal from the market, where applicable. More specifically, the standard establishes definitions and concepts and describes data elements and their structural relationships, which are required for the detailed description and unique identification of medicinal products. Furthermore, to support the successful information exchange in relation to the unique identification and characterisation of medicinal products, the use of other normative IDMP messaging standards is also included, which together shall be applied in the context of this standard.

Keel en

#### **prEN ISO 11616**

Identne prEN ISO 11616:2010  
ja identne ISO/DIS 11616:2010  
Tähtaeg 29.11.2010

#### **Health informatics - Identification of medicinal products - Data elements and structures for unique identification and exchange of regulated pharmaceutical product information**

This International Standard defines data elements, structures, and relationships between data elements required for the exchange of regulated information to uniquely identify pharmaceutical medicinal products. This international standard is applicable to regulatory and pharmacovigilance activities worldwide. This standard shall establish definitions and concepts and specify data elements and their structural relationships for the detailed description and unique identification of pharmaceutical products. Reference to other normative IDMP and messaging standards for pharmaceutical product information is included and shall be applied in the context of this standard. Medicinal products for veterinary use are out of scope of this standard.

Keel en

## **37 VISUAALTEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 1010-2:2006+A1:2010**

Hind 271,00  
Identne EN 1010-2:2006+A1:2010

#### **Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimiseadmed KONSOLIDEERITUD TEKST**

This document applies to: - Pre-press machinery (machinery and devices for the production of master copies and printing forms); - exposure equipment for the production of films and printing forms; - equipment for developing films and printing forms; - washing machines for printing forms; - machines for bending printing forms; - punching machines for film and printing forms; - cutting machines for film and printing forms; - machines for the production of gravure printing forms; - scanners. - Printing and varnishing machines: - proofing presses; - sheet-fed printing presses and varnishing machines including digital printing presses; - web-fed rotary presses and varnishing machines including digital printing presses; - screen printing presses. - Auxiliary devices: - cylinder and roller washing devices; - continuous flow drying devices; - powder spraying devices; - auxiliary devices on inking and damping units; - automatic plate clamping devices; - washing equipment for printing forms, rollers and scrapers; - pile turners; - measuring and control devices.

Keel en

Asendab EVS-EN 1010-2:2006

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 1010-2:2006**

Identne EN 1010-2:2006

**Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimiseseadmed**

This document applies to:- Pre-press machinery (machinery and devices for the production of master copies and printing forms):- exposure equipment for the production of films and printing forms;- equipment for developing films and printing forms;- washing machines for printing forms;- machines for bending printing forms;- punching machines for film and printing forms;- cutting machines for film and printing forms;- machines for the production of gravure printing forms;- scanners.

Keel en

Asendatud EVS-EN 1010-2:2006+A1:2010

## **43 MAANTEESÕIDUKITE EHITUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TS 14907-1:2010/AC:2010**

Hind 0,00

Identne CEN ISO/TS 14907-1:2010/AC:2010

**Road transport and traffic telematics - Electronic fee collection - Test procedures for user and fixed equipment - Part 1: Description of test procedures**

Keel en

#### **CEN/TR 16041:2010**

Hind 114,00

Identne CEN/TR 16041:2010

**Bicycles - Replies to requests for interpretation of EN 14764**

The purpose of this Technical Report is to provide replies to requests for interpretations of EN 14764:2005, City and trekking bicycles — Safety requirements and test methods.

Keel en

#### **CEN/TR 16042:2010**

Hind 92,00

Identne CEN/TR 16042:2010

**Bicycles - Replies to requests for interpretation of EN 14765**

The purpose of this Technical Report is to provide replies to requests for interpretations of EN 14765:2005+A1:2008, Bicycles for young children — Safety requirements and test methods.

Keel en

#### **CEN/TR 16043:2010**

Hind 114,00

Identne CEN/TR 16043:2010

**Bicycles - Replies to requests for interpretation of EN 14766**

The purpose of this Technical Report is to provide replies to requests for interpretations of EN 14766:2005, Mountain-bicycles — Safety requirements and test methods

Keel en

#### **CEN/TR 16044:2010**

Hind 105,00

Identne CEN/TR 16044:2010

**Bicycles - Replies to requests for interpretation of EN 14781**

The purpose of this Technical Report is to provide replies to requests for interpretations of EN 14781:2005, Racing bicycles — Safety requirements and test methods.

Keel en

#### **CLC/TR 50436-3:2010**

Hind 188,00

Identne CLC/TR 50436-3:2010

**Alcohol interlocks - Test methods and performance requirements - Part 3: Guidance for decision makers, purchasers and users**

An alcohol interlock is a system comprising a breath alcohol measuring instrument and an immobiliser which may be easily installed in a motor vehicle. Before the vehicle can be started, a breath sample has to be provided to the alcohol interlock, normally through a mouthpiece. Once the breath alcohol measurement has been performed, the alcohol interlock will prevent drivers from starting the motor if they have an alcohol concentration above a predetermined limit value. This limit may be set at the legal limit of a respective country or lower. Alcohol interlocks that meet the relevant European Standards detect, for example, if the sample is delivered by a human being. They are also capable of preventing and detecting tampering with the instrument. Additional parts of the system may include identity checking or recording mechanisms. The purpose of this Technical Report is to give practical guidance for selection, installation, use and maintenance of alcohol interlocks. It is directed to all those who have an interest in alcohol interlocks as well as companies selling and installing alcohol interlocks, purchasers and users for commercial, professional or private use. The Technical Report gives information about the alcohol interlock and how it is to be used. This Technical Report primarily describes alcohol interlocks for use in vehicles as a general preventive measure in traffic safety. However, information provided may also be useful for alcohol interlocks in other applications.

Keel en

#### **EVS-EN 1493:2010**

Hind 271,00

Identne EN 1493:2010

#### **Sõidukitõstukid**

This European Standard applies to stationary, mobile and movable vehicle lifts, which are not intended to lift persons but which are designed to raise vehicles totally, for the purpose of examining and working on or under the vehicles whilst in a raised position. The vehicle lift may consist of one or more lifting-units. Power supply to the vehicle lift by internal combustion engines is not considered. The floor or ground supporting the vehicle lift in use is assumed to be horizontal. This document is applicable to vehicle lifts which are manufactured ½ year after the date of its publication as EN.

Keel en

Asendab EVS-EN 1493:1999+A1:2009

## **EVS-EN 1865-1:2010**

Hind 209,00

Identne EN 1865-1:2010

### **Kiirabiautodes kasutatavate patsiendi transpordi abivahendite spetsifikatsioonid. Osa 1: Üldised kandraamisüsteemid ja patsiendi transpordivahendid**

Käesolev standard sätestab kiirabiautodes kasutatavatele kandraamidele ja teistele patsiendi transpordi abivahenditele esitatavaid miinimumnõudeid niisugusel viisil, et lisakahjustuste tekke võimalus oleks minimaalne.

Keel en

Asendab EVS-EN 1865:2000

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 1493:1999+A1:2009**

Identne EN 1493:1998+A1:2008

#### **Sõidukitõstukid KONSOLIDEERITUD TEKST**

This standard applies to stationary, mobile and movable vehicle lifts, which are not intended to lift persons but which are designed to raise vehicles totally, for the purpose of examining and working on or under the vehicles whilst in a raised position. The vehicle lift may consist of one or more lifting units. Power supply to the vehicle lift by internal combustion engines is not considered. The floor or ground supporting the vehicle lift in use is assumed to be horizontal.

Keel en

Asendab EVS-EN 1493:1999

Asendatud EVS-EN 1493:2010

### **EVS-EN 1865:2000**

Identne EN 1865:1999

#### **Kiirabiautodes kasutatavate kandraamide ja teiste patsiendi transpordi abivahendite spetsifikatsioonid**

Käesolev standard sätestab kiirabiautodes kasutatavatele kandraamidele ja teistele patsiendi transpordi abivahenditele esitatavaid miinimumnõudeid niisugusel viisil, et lisakahjustuste tekke võimalus oleks minimaalne.

Keel et

Asendatud EVS-EN 1865-1:2010; EVS-EN 1865-2:2010; prEN 1865-5; prEN 1865-4; prEN 1865-3

### **EVS-EN ISO 11446:2004**

Identne EN ISO 11446:2004

ja identne ISO 11446:2004

#### **Passenger cars and light commercial vehicles with 12 V systems - 13-pole connectors between towing vehicles and trailers - Dimensions and contact allocation**

This International Standard specifies dimensions and specific requirements for the 13-pole connector and its contact allocation to enable electrical connection between passenger cars or light commercial vehicles and their trailers equipped with 12 V systems to be made and to ensure interchangeability.

Keel en

Asendab EVS-EN ISO 11446:2002

## **KAVANDITE ARVAMUSKÜSITLUS**

### **EN 15430-1:2008/FprA1**

Identne EN 15430-1:2007/FprA1:2010

Tähtaeg 29.11.2010

#### **Winter and road service area maintenance equipments - Data acquisition and transmission - Part 1: In vehicle data acquisition**

This European Standard specifies a standardized protocol for downloading data from the equipment control box to an in-vehicle board computer to ensure interchangeability between a vehicle and different equipments that the same vehicle can carry. It specifies the interface connection as well as variables, records and reports which permit standardized protocol to cover applications with the greatest possible variety of equipments for performing winter maintenance and road service area maintenance.

Keel en

## **45 RAUDTEETEHNIKA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CLC/TS 50238-2:2010**

Hind 219,00

Identne CLC/TS 50238-2:2010

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

This Technical Specification defines, for the purpose of ensuring compatibility between rolling stock and track circuits the limits for conducted interference from rolling stock and the measurement method for verifying conformity of rolling stock to these limits. The interference limits are only applicable to interoperable rolling stock which is intended to run on lines exclusively equipped with preferred track circuit listed in this Technical Specification. National Notified Technical Rules are still to be used in all cases, where the line over which the rolling stock is intended to run is equipped with any type of older version or non-preferred track circuits that are not listed in this Technical Specification. However, the rolling stock test methodology (infrastructure conditions, test configurations, operational conditions, etc.) presented in this Technical Specification is also applicable to establish compatibility with non-preferred track circuits. This Technical Specification gives guidance on the derivation of interference current limits specified for rolling stock and defines measurement methods and evaluation criteria. This Technical Specification defines - a set of interference current limits for RST (Rolling Stock) applicable for each of the following types of traction system: - DC (750 V, 1,5 kV and 3 kV); - 16,7 Hz AC; - 50 Hz AC. - methodology for the demonstration of compatibility between rolling stock and track circuits, - measurement method to verify interference current limits and evaluation criteria.

Keel en

**CLC/TS 50238-3:2010**

Hind 219,00

Identne CLC/TS 50238-3:2010

**Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters**

This Technical Specification defines, for the purpose of ensuring compatibility between rolling stock and axle counters, the electromagnetic interference limits for rolling stock and the measurement and evaluation methods to verify rolling stock emissions and demonstrate compatibility with the interference limits. Compliance with the limits for rolling stock is necessary for a reliable and safe operation of the railway. The interference limits have been defined for application to interoperable rolling stock. They are for a set of preferred types of axle counters which are defined by Railway Infrastructure Managers for use on new signalling projects on interoperable lines. If the interoperable line over which the rolling stock is intended to run is equipped with an older version or non-listed axle counters then National Notified Technical Rules apply. It is not the intention of this Technical Specification to mandate any particular type of train detection but it is expected that because the list of selected types and their limits for compatibility are drawn on the basis of established performance criteria, the trend will be that newly signalled interoperable lines are fitted with types which meet the compatibility limits published in the Technical Specification and measured in accordance with the test specification in Annex C. To ensure an adequate operational availability, a margin of 9 dB between the measured axle counter limit and the limit for rolling stock has been applied. If rolling stock does not comply with the defined limits, the availability of the axle counters may be reduced. The measurement condition for railway vehicles with voltage DC-link are provided as an example.

Keel en

**CLC/TS 50238-3:2010/AC:2010**

Hind 0,00

Identne CLC/TS 50238-3:2010/Corr:2010

**Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters**

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 13674-2:2006**

Identne EN 13674-2:2006

**Raudteealased rakendused. Rööbastee. Rööbas. Osa 2: Pöörangute ja ristumiste liikuvad ja ristuvad rööpad ühenduses Vignole'i raudteerööbaste lineaarmassiga 46 kg/m ja üle selle**

This part of EN 13674 specifies switch and crossing rails that carry railway wheels. These are used in conjunction with Vignole railway rails. This part of this standard is not applicable for the check rails that do not carry railway wheels.

Keel en

Asendatud EVS-EN 13674-2:2006+A1:2010

**EVS-EN 14730-1:2006**

Identne EN 14730-1:2006

**Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes**

This standard defines the laboratory tests and requirements for approval of an aluminothermic welding process using welds produced in workshop conditions. It applies to the joining of new, Vignole rails as described in EN 13674-1 of the same profile and steel grade. Compliance with the requirements of this standard does not of itself ensure the suitability of a welding process for specific conditions of track and traffic. The standard does not cover welds made between different rail sections, differently worn rails and different rail grades. In addition to the definitive requirements this standard also requires the items detailed in Clause 4 to be documented. For compliance with this standard, it is important that both the definitive requirements and the documented items be satisfied.

Keel en

Asendatud EVS-EN 14730-1:2006+A1:2010

**EVS-ENV 13803-1:2004**

Identne ENV 13803-1:2002

**Raudteealased rakendused. 1435 mm ja laiema rööpmelaiusega rööbastee projekteerimine. Osa 1: Raudteerada**

Eelstandard määrab kindlaks rööbastee projekteerimisparameetrid, reeglid ja väärtused, mida tuleb kasutada suurima lubatud sõidukiiruse määramiseks nii uut kui ka olemasolevatel rööbasteedel. Samuti käsitleb standard uue või olemasoleva rööbastee projekteerimisparameetrite määramist etteantud kiiruse järgi. Rööbastee projekteerijal on võimalik määrata kõige sobivamad parameetrite väärtused, arvestades ohutusalaseid, geograafilisi, tehnilisi, ajaloolisi ja majanduslikke piiranguid. Need väärtused määratakse kindlaks lepingu dokumendis. Valitud väärtused ei tohi ületada ohutusega seotud parameetrite maksimaalseid (või minimaalseid) piirväärtusi.

Keel et

Asendatud EVS-EN 13803-1:2010

**KAVANDITE ARVAMUSKÜSITLUS****EN 13262:2004+A1:2008/FprA2**

Identne EN 13262:2004/FprA2:2010

Tähtaeg 29.11.2010

**Raudteealased rakendused. Rattapaarid ja veermikud. Rattad. Tootenõuded**

This European Standard specifies the characteristics of railway wheels for use on European networks.

Keel en

## EN 13979-1:2007+A1:2009/FprA2

Identne EN 13979-1:2003/FprA2:2010

Tähtaeg 29.11.2010

### **Raudteealased rakendused. Rattapaarid ja pöördvankrid. Monoplokkirattad. Tehnilise heakskiidu protseduur. Osa 1: Sepistatud ja valtsitud rattad**

Standardi eesmärk on määratleda nõuded kaubaveeremi mittevedavatel telgedel asuvatele monoplokkiratastele, mis tagavad rataste sobivuse Euroopa raudteevõrgus kasutamiseks. Vedavatel telgedel asuvate rataste või mürasummutitega rataste puhul võivad nõuded olla muudetud või laiendatud. Kergveeremi ja trammiteede puhul võib klient või tarnija juhinduda muudest standarditest või dokumentidest.

Keel EN

## 47 LAEVAEHITUS JA MERE-EHITISED

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN ISO 12215-8:2009/AC:2010**

Hind 0,00

Identne EN ISO 12215-8:2009/AC:2010

#### **Väikelaevad. Kerekonstruksioon ja prussid. Osa 8: Roolid**

Keel en

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN/TS 16071:2010**

Hind 124,00

Identne CEN/TS 16071:2010

#### **Interoperability of Flight Data Processing (Air Traffic Control - Air Traffic Control) for application under the Single European Sky - Interoperability Regulation EC 552/2004**

This Technical Specification is for the production of conformity evidence for FDP-FDP ground-based system interoperability which has to be declared by the Air Navigation Service Provider (ANSP) before putting FDP-systems into service. This Technical Specification defines the Technical, Operational and Maintenance requirements for Flight Data Processing (ATC-ATC) system interoperability. Flight Data Processing (FDP) interoperability between ATC units is a key element to facilitate and harmonise Flight Data systems data exchanges and critical to the functioning of a harmonised European Air Traffic Management system. FDP Interoperability can be achieved by the use of different techniques appropriate to the operational need, e.g. message exchange, replication mechanisms and data sharing. The architectural framework in which the different actors have to inter-operate is of major importance to define the context in which the European Standards have to be developed. For a systematic solution to certain flight data inconsistency problems currently existing in Europe, the definition of a Flight Object (FO) is required to become a conceptual single point of reference for flight data to be used by stakeholder systems. Interoperability of FDP (ATC-ATC) includes coordination and transfer; correlation and surveillance, facilitation of optimum routes; MTCD and resolutions; recovery support; ground-ground situation awareness and traffic management. Any software elements related to the software assurance level of a FDP System are outside of the scope of the present document. Although a consensus can be reached on the present state of the art in FDP interoperability, this state of the art is not mature enough to be put into a European Standard (EN). The European Committee for Standardisation thus resolved to record the obtained technical consensus as the present Technical Specification, with informative status. The present document thus does not give legal presumption of conformity to any piece of European legislation.

Keel en

#### **EVS-EN 2240-041:2010**

Hind 80,00

Identne EN 2240-041:2010

#### **Aerospace series - Lamps, incandescent - Part 041: Lamp, code 682 - Product standard**

This European Standard specifies the required characteristics for lamp, code 682, for aerospace applications. It shall be used together with EN 2756.

Keel en



**EVS-EN 2954-001:2010**

Hind 80,00

Identne EN 2954-001:2010

**Aerospace series - Macrostructure of titanium and titanium alloy wrought products - Part 001: General requirements**

This European Standard specifies the conditions for the macrographic examination of titanium and titanium alloy bar, section, forging stock and forgings. Specific macrostructures are defined in EN 2954-002. This standard shall be applied in conjunction with EN material standards and technical specifications, which define the acceptance criteria unless otherwise specified on the order.

Keel en

**EVS-EN 2997-009:2010**

Hind 92,00

Identne EN 2997-009:2010

**Lennunduse ja kosmonautika seeria.****Pistikühendused, elektrilised, ümmargused, ühendatud keermestatud rõngaga, tulekindlad või mittetulekindlad, töötemperatuurid 175 °C pidevalt, 200 °C pidevalt, 260 °C tippväärtusega. Osa 9: Pistikupesa kaitsekate. Tootestandard**

This European Standard specifies the characteristics of protective covers for receptacles in the family of circular electrical connectors coupled by threaded ring. It applies to the class defined in Table 2. For receptacles associated with these protective covers, see EN 2997-003 to EN 2997-007.

Keel en

Asendab EVS-EN 2997-009:2006

**EVS-EN 2997-010:2010**

Hind 92,00

Identne EN 2997-010:2010

**Lennunduse ja kosmonautika seeria.****Pistikühendused, elektrilised, ümmargused, ühendatud keermestatud rõngaga, tulekindlad või mittetulekindlad, töötemperatuurid 175 °C pidevalt, 200 °C pidevalt, 260 °C tippväärtusega. Osa 10: Pistiku kaitsekate. Tootestandard**

This European Standard specifies the characteristics of protective covers for plugs in the family of circular electrical connectors coupled by threaded ring. It applies to the class defined in Table 2. For plugs associated with these protective covers, see EN 2997-008.

Keel en

Asendab EVS-EN 2997-010:2006

**EVS-EN 2997-011:2010**

Hind 105,00

Identne EN 2997-011:2010

**Lennunduse ja kosmonautika seeria.****Pistikühendused, elektrilised, ümmargused, ühendatud keermestatud rõngaga, tulekindlad või mittetulekindlad, töötemperatuurid 175 °C pidevalt, 200 °C pidevalt, 260 °C tippväärtusega. Osa 11: Summutav pistikupesa. Tootestandard**

This European Standard specifies the characteristics of dummy receptacles in the family of circular electrical connectors coupled by threaded ring. It applies to the class defined in Table 3. For plugs associated with these dummy receptacles, see EN 2997-008.

Keel en

Asendab EVS-EN 2997-011:2006

**EVS-EN 3264:2010**

Hind 92,00

Identne EN 3264:2010

**Aerospace series - Pipe coupling 8°30' in titanium alloy - Thrust wire nuts**

This European Standard specifies the characteristics of thrust wire nuts for pipe couplings 8°30', in titanium alloy, for aerospace applications. Nominal pressure: up to 28 000 kPa Temperature range: – 55 °C to 135 °C

Keel en

Asendab EVS-EN 3264:2002

**EVS-EN 3475-307:2010**

Hind 105,00

Identne EN 3475-307:2010

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 307: Corona extinction voltage**

This test standard defines methods to cover the detection and measurement of partial discharge (corona) under an applied test voltage, including the determination of partial discharges (corona) inception and extinction voltages as the test voltage is raised and lowered, of electrical cables for aircraft use. It shall be used together with EN 3475-100.

Keel en

Asendab EVS-EN 3475-307:2005

**EVS-EN 3475-604:2010**

Hind 124,00

Identne EN 3475-604:2010

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 604: Resistance to dry arc propagation**

This standard specifies a method for appraising the behaviour of cable insulation when an electric arc is initiated and maintained by two powered cables rubbing against a blade. This standard shall be used together with EN 3475-100. The primary aim of this test is: - to produce, in a controlled fashion, continuous failure effects which are representative of those which may occur in service when a typical cable bundle is damaged by abrasion such that electrical arcing occurs, both between cables and between cables and conductive structure; and - to examine the aptitude of the insulation to track, to propagate electric arc to the electrical origin. Originally defined for 115 Vac network, this test also proposes conditions for 230 Vac network. Unless otherwise specified in product standard, only 115 Vac conditions shall be satisfied. Six levels of prospective fault current have been specified for concerned cable sizes (see Clause 7). It is generally agreed that larger sizes need not be assessed since the short-circuit phenomenon becomes dominant at low line impedances. Unless otherwise specified in the technical/product standard sizes 002, 006 and 020 cable shall be assessed.

Keel en

Asendab EVS-EN 3475-604:2002

**EVS-EN 3475-605:2010**

Hind 105,00

Identne EN 3475-605:2010

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 605: Wet short circuit test**

This standard specifies a method for appraising the behaviour of cable insulation subjected to an electric arc initiated and maintained by a contaminating fluid. This standard shall be used together with EN 3475-100. The primary aim of this test is: - to produce, in a controlled fashion, continuous failure effects which are representative of those which may occur in service when a typical cable bundle is damaged and subjected to aqueous fluid contamination such that electrical arcing occurs, between cables; and - to examine the aptitude of the insulation to track, to propagate electric arc to the electrical origin. Originally defined for 115 Vac network, this test also proposes conditions for 230 Vac network. Unless otherwise specified in product standard, only 115 Vac conditions shall be satisfied. Six levels of prospective fault current have been specified for concerned cable sizes (see Clause 7). It is generally agreed that larger sizes need not be assessed since the short-circuit phenomenon becomes dominant at low line impedances. Unless otherwise specified in the technical/product standard sizes 002, 006 and 020 cable shall be assessed.

Keel en

Asendab EVS-EN 3475-605:2002

**EVS-EN 3660-010:2010**

Hind 135,00

Identne EN 3660-010:2010

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 010: Cable outlet, style K, straight, shielded, sealed, for heat shrinkable boot - Product standard**

This European Standard defines a range of cable outlets, style K, straight, shielded, sealed for heat shrinkable boots, for use under the following conditions. Associated electrical connector(s) : EN 3660-002 Temperature range Class N : - 65 °C to 200 °C Class W : - 65 °C to 175 °C Class K : - 65 °C to 260 °C

Keel en

**EVS-EN 3660-011:2010**

Hind 135,00

Identne EN 3660-011:2010

**Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 011: Cable outlet, style K, 90°, shielded, sealed, for heat shrinkable boot - Product standard**

This European Standard defines a range of cable outlets, style K, 90°, shielded, sealed for heat shrinkable boots, for use under the following conditions. Associated electrical connector(s) : EN 3660-002 Temperature range Class N : - 65 °C to 200 °C Class W : - 65 °C to 175 °C Class K : - 65 °C to 260 °C

Keel en

**EVS-EN 3719:2010**

Hind 92,00

Identne EN 3719:2010

**Aerospace series - Aluminium or aluminium alloy conductors for electrical cables - Product standard**

This standard specifies the dimensions, linear resistance, mechanical characteristics, construction and mass of conductors in aluminium or aluminium alloy for electrical cables for aerospace applications. It applies to stranded conductors with nominal cross-sections of 5 mm<sup>2</sup> to 107 mm<sup>2</sup> inclusive.

Keel en

Asendab EVS-EN 3719:2005

**EVS-EN 3838:2010**

Hind 114,00

Identne EN 3838:2010

**Aerospace series - Requirements and tests on user-applied markings on aircraft electrical cables**

This standard specifies tests that should be performed on markings applied by the user to ensure that their durability is satisfactory and that, after application of markings directly to the cable insulation, jacket or sheath, the cable will meet the performance requirements laid down.

Keel en

**EVS-EN 4136:2009/AC:2010**

Hind 0,00

Identne EN 4136:2009/AC:2010

**Aerospace series - Bolts, normal bi-hexagonal head, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C**

Keel en

**EVS-EN 4673-002:2010**

Hind 114,00

Identne EN 4673-002:2010

**Aerospace series - Inserts, UNJ threads, self-locking, with self-broaching keys - Part 002: Design standard**

This European Standard specifies the applications and installation hole dimensions for EN standard, self-locking, self-broaching key, UNJ threads inserts and provisions for component salvage, for aerospace applications.

Keel en

**EVS-EN 4673-003:2010**

Hind 178,00

Identne EN 4673-003:2010

**Aerospace series - Inserts, UNJ threads, self-locking, with self-broaching keys - Part 003: Technical specification**

This European Standard specifies the characteristics, qualification and acceptance requirements for self-locking inserts, self-broaching keys with UNJ threads, for aerospace applications. It is applicable whenever referenced.

Keel en

**EVS-EN 4673-004:2010**

Hind 92,00

Identne EN 4673-004:2010

**Aerospace series - Inserts, UNJ threads, self-locking, with self-broaching keys - Part 004: In heat resisting nickel base alloy NI-P100HT (Inconel 718), silver plating**

This European Standard specifies the characteristics of self-locking, inserts for Inch series, self-broaching keys, in NI-P100HT, silver plated, for aerospace applications. Classification: 1 270 MPa 1) / 600 °C 2)

Keel en

**EVS-EN 4673-005:2010**

Hind 92,00

Identne EN 4673-005:2010

**Aerospace series - Inserts, UNJ threads, self-locking, with self-broaching keys - Part 005: In heat resisting nickel base alloy NI-P101HT (WASPALLOY), silver plating**

This European Standard specifies the characteristics of self-locking, inserts for Inch series, self-broaching keys, in NI-P101HT, silver plated, for aerospace applications. Classification: 1 210 MPa 1) / 760 °C 2)

Keel en

**EVS-EN 4673-006:2010**

Hind 92,00

Identne EN 4673-006:2010

**Aerospace series - Inserts, UNJ threads, self-locking, with self-broaching keys - Part 006: In heat resisting steel FE-PA2601 (A286), MoS2 coated**

This European Standard specifies the characteristics of self-locking, inserts for Inch series, self-broaching keys, in FE-PA2601, MoS2 coated, for aerospace applications. Classification: 900 MPa 1) / 315 °C 2)

Keel en

**EVS-EN 6072:2010**

Hind 198,00

Identne EN 6072:2010

**Aerospace series - Metallic materials - Test methods - Constant amplitude fatigue testing**

This European Standard defines a method to determine constant amplitude fatigue data of metallic materials and the S-N curve (or Wöhler curve).

Keel en

**EVS-EN 9104-003:2010**

Hind 188,00

Identne EN 9104-003:2010

**Aerospace series - Quality management systems - Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification**

This standard provides the minimum requirements (Body of Knowledge) for AQMS Auditors who will participate in AQMS Certification/registration activities including Auditor Authentication process and for training organization. It is applicable to auditors seeking formal approval to conduct audits of the AQMS systems under the IAQG and those who manage the competency element of an AQMS audit program and to training organizations.

Keel en

Asendatud EVS-EN 9104-003:2009

**EVS-EN 9120:2010**

Hind 188,00

Identne EN 9120:2010

**Quality Management Systems - Requirements for Aviation, Space and Defence Distributors**

This standard includes ISO 9001:2008 1) quality management system requirements and specifies additional aviation, space and defense industry requirements, definitions and notes as shown in bold, italic text. It is emphasized that the requirements specified in this standard are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable statutory or regulatory requirements, the latter shall take precedence. This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9120:2006

**EVS-EN 4673-001:2010**

Hind 114,00

Identne EN 4673-001:2010

**Aerospace series - Inserts, UNJ threads, self-locking, with self-broaching keys - Part 001: Installation and removal procedure**

This European Standard specifies the installation and removal procedure (hole profile, tools) of self-locking, self-broaching key, UNJ thread inserts defined by EN standards, for aerospace applications.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 2997-009:2006**

Identne EN 2997-009:2006

**Lennunduse ja kosmonautika seeria. Pistikühendused, elektrilised, ümmargused, ühendatud keermestatud rõngaga, tulekindlad või mittetulekindlad, töötemperatuurid 175 °C pidevalt, 200 °C pidevalt, 260 °C tippväärtusega. Osa 9: Pistikupesa kaitsekate. Tootestandard**

Käesolev standard määrab kindlaks keermestatud rõngaga ühendatud ümmarguste elektripistikühenduste seeria pistikupesade kaitsekatete parameetrid.

Keel en

Asendab EVS-EN 2997-9:2000

Asendatud EVS-EN 2997-009:2010

**EVS-EN 2997-010:2006**

Identne EN 2997-010:2006

**Lennunduse ja kosmonautika seeria.****Pistikühendused, elektrilised, ümmargused, ühendatud keermestatud rõngaga, tulekindlad või mittetulekindlad, töötemperatuurid 175 °C pidevalt, 200 °C pidevalt, 260 °C tippväärtusega. Osa 10: Pistiku kaitsekate. Tootestandard**

Käesolev standard määrab kindlaks keermestatud rõngaga ühendatud ümmarguste elektripistikühenduste seeria kaitsekatete parameetrid.

Keel en

Asendab EVS-EN 2997-10:2000

Asendatud EVS-EN 2997-010:2010

**EVS-EN 2997-011:2006**

Identne EN 2997-011:2006

**Lennunduse ja kosmonautika seeria.****Pistikühendused, elektrilised, ümmargused, ühendatud keermestatud rõngaga, tulekindlad või mittetulekindlad, töötemperatuurid 175 °C pidevalt, 200 °C pidevalt, 260 °C tippväärtusega. Osa 11: Summutav pistikupesade. Tootestandard**

Käesolev standard määrab kindlaks keermestatud rõngaga ühendatud ümmarguste elektripistikühenduste seeria summutavate pistikupesade parameetrid.

Keel en

Asendab EVS-EN 2997-11:2000

Asendatud EVS-EN 2997-011:2010

**EVS-EN 3264:2002**

Identne EN 3264:2001

**Aerospace series - Pipe coupling 8°30` in titanium alloy - Thrust wire nut**

This standard specifies the characteristics of thrust wire nut pipe coupling 8°30`, in titanium alloy, for aerospace applications.

Keel en

Asendatud EVS-EN 3264:2010

**EVS-EN 3475-307:2005**

Identne EN 3475-307:2005

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 307: Corona extinction voltage**

This product standard defines a method to measure the corona extinction voltage of electrical cables for aircraft use.

Keel en

Asendatud EVS-EN 3475-307:2010

**EVS-EN 3475-604:2002**

Identne EN 3475-604:2002

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 604: Resistance to dry arc propagation**

This standard specifies a method for appraising the behaviour of cable insulation when an electric arc is initiated by two powered cables rubbing against a blade. This standard shall be used together with EN 3475 00

Keel en

Asendatud EVS-EN 3475-604:2010

**EVS-EN 3475-605:2002**

Identne EN 3475-605:2002

**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 605: Wet short circuit test**

This standard specifies a method for appraising the behaviour of cable insulation subjected to an electric arc initiated by a contaminating fluid. This standard shall be used together with EN 3475-100. The primary aim of this test is to produce, in a controlled fashion, failure effects which are representative of those which may occur in service when a typical cable bundle is damaged and subjected to aqueous fluid contamination such that electrical arcing occurs, between cables.

Keel en

Asendatud EVS-EN 3475-605:2010

**EVS-EN 3719:2005**

Identne EN 3719:2005

**Aerospace series - Aluminium or aluminium alloy conductors for electrical cables - Product standard**

This standard specifies the dimensions, linear resistance, mechanical characteristics, construction and mass of conductors in aluminium or aluminium alloy for electrical cables for aerospace applications.

Keel en

Asendatud EVS-EN 3719:2010

**EVS-EN 9104-003:2009**

Identne EN 9104-003:2009

**Aerospace series - Quality management systems - Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification**

This document provides the minimum requirements (Body of Knowledge) for AQMS Auditors who will participate in AQMS Certification/registration activities including Auditor Authentication process and for training organization. It is applicable to auditors seeking formal approval to conduct audits of the AQMS systems under the IAQG and those who manage the competency element of an AQMS audit program and to training organizations.

Keel en

Asendatud EVS-EN 9104-003:2010

**EVS-EN 9120:2006**

Identne EN 9120:2005

**Aerospace series - Quality management systems - Requirements for stockist distributors (based on ISO 9001:2000)**

The adoption of a quality management system should be a strategic decision of an organization. The design and implementation of an organization's quality management system is influenced by varying needs, particular objectives, the products provided, the processes employed and the size and structure of the organization.

Keel en

Asendatud EVS-EN 9120:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 2240-051**

Identne FprEN 2240-051:2010

Tähtaeg 29.11.2010

**Aerospace series - Lamps, incandescent - Part 051: Lamp, code 1163 - Product standard**

This standard specifies the required characteristics for lamp, code 1163, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2825**

Identne FprEN 2825:2010

Tähtaeg 29.11.2010

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

This standard defines a test method for determination of the smoke density due to pyrolytic decomposition of solid materials and composite materials of up to 25 mm in thickness under the influence of radiant heat only or with simultaneous flame application. The test results enable a comparison of the smoke production of different materials or material configurations under the conditions specified in this standard.

Keel en

**FprEN 2826**

Identne FprEN 2826:2010

Tähtaeg 29.11.2010

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

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

Keel en

**FprEN 4683**

Identne FprEN 4683:2010

Tähtaeg 29.11.2010

**Aerospace series - Steel FE-WM 3504 (X4CrNiMo16-5-1) - Air melted - Filler metal for welding - Wire and rod**

This standard specifies the requirements relating to: Steel FE-WM 3504 (X4CrNiMo16-5-1) Air melted Filler metal for welding Wire and rod for aerospace applications.

Keel en

**FprEN 4685**

Identne FprEN 4685:2010

Tähtaeg 29.11.2010

**Aerospace series - Titanium Ti10V2Fe3Al - Bars - D < 110 mm -Rm ≥ 1 240 Mpa**

This standard specifies the requirements relating to: Titanium Ti10V2Fe3Al Bars D < 110 mm Rm ≥ 1 240 MPa for aerospace applications.

Keel en

**53 TÕSTE- JA TEISALDUS-SEADMED****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 1493:2010**

Hind 271,00

Identne EN 1493:2010

**Sõidukitõstukid**

This European Standard applies to stationary, mobile and movable vehicle lifts, which are not intended to lift persons but which are designed to raise vehicles totally, for the purpose of examining and working on or under the vehicles whilst in a raised position. The vehicle lift may consist of one or more lifting-units. Power supply to the vehicle lift by internal combustion engines is not considered. The floor or ground supporting the vehicle lift in use is assumed to be horizontal. This document is applicable to vehicle lifts which are manufactured ½ year after the date of its publication as EN.

Keel en

Asendab EVS-EN 1493:1999+A1:2009

**EVS-EN 1808:1999+A1:2010**

Hind 315,00

Identne EN 1808:1999+A1:2010

**Ripp(juurdepääsu)seadmete ohutusnõuded. Kavandamisarvutused, stabiilsuskriteeriumid, valmistamine, katsed KONSOLIDEERITUD TEKST**

This standard specifies the safety requirements for Suspended Access Equipment (SAE). It is applicable to both permanent and temporary equipment which may be powered or hand operated and which are defined in clause 3.

Keel en

Asendab EVS-EN 1808:1999

**EVS-EN 13135-2:2004+A1:2010**

Hind 256,00

Identne EN 13135-2:2004+A1:2010

**Kraanad. Seadmed. Osa 2: Mitte-elektrotehnilised seadmed KONSOLIDEERITUD TEKST**

This document specifies requirements for design and selection of non-electrotechnical equipment for all types of crane with the objectives of protecting personnel from hazards affecting their lives and health and of ensuring reliability of function. The fixed load lifting attachments are integral part of the crane and therefore belong also to the scope of this standard. Non-electrotechnical equipment comprises: - Structure and structural equipment; - driving mechanisms; - rope and chain drives; - fixed load lifting attachments; - safety devices; - fluid power systems. The significant hazards covered by this document are identified in clause 4. Hazards due to noise are not covered by this standard. They are addressed in safety standards specific to each type of crane. The principles to be applied for cranes transporting hazardous loads are given in this standard. Particular requirements are given for cranes transporting hot molten metal. This standard does not give the additional requirements for: - equipment requiring a high level of cleanliness for hygiene reasons, e.g. in direct contact with foodstuffs or pharmaceuticals; - equipment operating in clean rooms with a dust controlled environment, (e.g. satellite assembling room, electronic industry, food processing, pharmaceuticals processing); - hazards resulting from handling explosives and radiating material; - hazards caused by operation subject to special regulations (e.g. explosive atmospheres); - the risk related to lifting of persons. This document is applicable to non-electrotechnical equipment which is manufactured after the date of approval by CEN of this standard.

Keel en

Asendab EVS-EN 13135-2:2004

**EVS-EN 15878:2010**

Hind 315,00

Identne EN 15878:2010

**Steel static storage systems - Terms and definitions**

This European Standard specifies terms and definitions for steel storage systems, as listed in Table 1, and their basic components and accessories.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 1493:1999+A1:2009**

Identne EN 1493:1998+A1:2008

**Sõidukitõstukid KONSOLIDEERITUD TEKST**

This standard applies to stationary, mobile and movable vehicle lifts, which are not intended to lift persons but which are designed to raise vehicles totally, for the purpose of examining and working on or under the vehicles whilst in a raised position. The vehicle lift may consist of one or more lifting units. Power supply to the vehicle lift by internal combustion engines is not considered. The floor or ground supporting the vehicle lift in use is assumed to be horizontal.

Keel en

Asendab EVS-EN 1493:1999

Asendatud EVS-EN 1493:2010

**EVS-EN 1726-1:1999/A1:2004**

Identne EN 1726-1:1998/A1:2003

**Tööstuslike mootorkäruude ohutus. Liikur-mootorkärud, mille kandevõime ei ületa 10 000 kg ja tööstuslikud traktorid, mille haakeseadise tõmme ei ületa 20 000 N. Osa 1: Üldnõuded**

This Standard applies to self-propelled industrial trucks including masted rough terrain trucks.

Keel en

Asendatud EVS-EN ISO 3691-5:2010

**EVS-EN 1808:1999**

Identne EN 1808:1999

**Ripp(juurdepääsu)seadmete ohutusnõuded. Kavandamisarvutused, stabiilsuskriteeriumid, valmistamine, katsed**

This standard specifies the safety requirements of Suspended Access Equipment (SAE).

Keel en

Asendatud EVS-EN 1808:1999+A1:2010

**EVS-EN 13135-2:2004**

Identne EN 13135-2:2004 + AC:2005

**Kraanad. Seadmed. Osa 2: Mitte-elektrotehnilised seadmed**

This European Standard specifies requirements for design and selection of non-electrotechnical equipment for all types of crane with the objectives of protecting personnel from hazards affecting their lives and health and of ensuring reliability of function. The fixed load lifting attachments are integral part of the crane and therefore belong also to the scope of this standard.

Keel en

Asendatud EVS-EN 13135-2:2004+A1:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 13001-2**

Identne FprEN 13001-2:2010

Tähtaeg 29.11.2010

**Crane safety - General design - Part 2: Load actions**

This European Standard is to be used together with Part 1 and series of Part 3 and as such they specify general conditions, requirements and methods to prevent hazards of cranes by design and theoretical verification. NOTE Specific requirements for particular types of crane are given in the appropriate European Standard for the particular crane type. The following is a list of significant hazardous situations and hazardous events that could result in risks to persons during normal use and foreseeable misuse. Clause 4 is necessary to reduce or eliminate the risks associated with the following hazards: a) rigid body instability of the crane or its parts (tilting and shifting); b) exceeding the limits of strength (yield, ultimate, fatigue); c) elastic instability of the crane or its parts (buckling, bulging); d) exceeding temperature limits of material or components; e) exceeding the deformation limits. This European Standard is applicable to cranes which are manufactured after the date of approval by CEN of this standard and serves as reference base for the European Standards for particular crane types.

Keel en

Asendab EVS-EN 13001-2:2005+A3:2009

## 55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN/TR 13910:2010**

Hind 166,00

Identne CEN/TR 13910:2010

#### **Packaging - Report on criteria and methodologies for life cycle analysis of packaging**

This Technical Report establishes a set of best practice guidelines for undertaking those aspects of life cycle assessment specific to packaging and distribution systems.

Keel en

#### **EVS-EN 14634:2010**

Hind 105,00

Identne EN 14634:2010

#### **Glass packaging - 26 H 180 crown finish - Dimensions**

This European Standard specifies the dimensions of the 26 mm tall crown finish for glass bottles containing beverages. The tall crown finish is designed to use a metal crown closure (see CE.T.I.E. data sheet EC1-02 revision 1 [2]).

Keel en

Asendab EVS-EN 14634:2004

#### **EVS-EN 14635:2010**

Hind 105,00

Identne EN 14635:2010

#### **Glass packaging - 26 H 126 crown finish - Dimensions**

This European standard specifies the dimensions of the 26 mm shallow crown finish for glass bottles containing beverages. The shallow crown finish is designed to use a metal crown closure (see CE.T.I.E. data sheet EC1-02 revision 1 [2]).

Keel en

Asendab EVS-EN 14635:2004

### ASENDATUD VÕI TÜHISTATUD STANDARDID

#### **EVS-EN 209:2000**

Identne EN 209:1999

#### **Steel drums - Removable head (open head) drums with a minimum total capacity of 210 l**

This European Standard specifies the characteristics and dimensions of removable head (open head) drums, manufactured from steel sheet, having a minimum total capacity of 210 litres.

Keel en

#### **EVS-EN 210:2000**

Identne EN 210:1999

#### **Steel drums - Non-removable head (tight head) drums with a minimum total capacity of 216,5 l**

This European Standard specifies the characteristics and dimensions of non-removable head (tight head) drums, manufactured from steel sheet, having a minimum total capacity of 216,5 litres.

Keel en

#### **EVS-EN 12708:2000**

Identne EN 12708:2000

#### **Plug/bung closure systems for plastics containers with nominal capacity of 20 l to 225 l**

This European Standard specifies the characteristics and dimensions of plug/bung closure systems, i.e. for internally threaded containers only, for non-removable (tight head) drums, manufactured from plastics with a nominal capacity of 20 litres to 225 litres.

Keel en

#### **EVS-EN 12711:2000**

Identne EN 12711:2000

#### **Steel drums - Non-removable head (tight head) drums with a minimum total capacity of 230 l**

This European Standard specifies the characteristics and dimensions of non-removable head (tight head) drums, manufactured from steel sheet, having a minimum total capacity of 230 litres.

Keel en

#### **EVS-EN 14634:2004**

Identne EN 14634:2004

#### **Glass packaging - 26 H 180 crown finish - Dimensions**

This International Standard specifies the dimensions of the 26 mm tall crown finish for glass bottles containing beverages. The tall crown finish is designed to use a metal crown closure (see CE.T.I.E. EC 1.02)

Keel en

Asendatud EVS-EN 14634:2010

#### **EVS-EN 14635:2004**

Identne EN 14635:2004

#### **Glass packaging - 26 H 126 crown finish - Dimensions**

This International Standard specifies the dimensions of the 26 mm shallow crown finish for glass bottles containing beverages. The shallow crown finish is designed to use a metal crown closure (see CE.T.I.E. EC 1.02)

Keel en

Asendatud EVS-EN 14635:2010

### KAVANDITE ARVAMUSKÜSITLUS

#### **EVS-ISO 1496-3:1995/prA1:2010**

ja identne ISO 1496-3:1995/Amd 1:2006

Tähtaeg 30.11.2010

**1. seeria veokonteinerid. Andmed ja katsetamine. Osa 3: Paakkonteinerid vedelikele, gaasidele ja survestatud puistlastile. Muudatus 1: Välise pikikinnituse dünaamiline katsetus**

Keel en

#### **EVS-ISO 3874:2003/prA4:2010**

ja identne ISO 3874:1997/Amd 4:2007

Tähtaeg 30.11.2010

**1. seeria veokonteinerid. Käitlemine ja kinnitamine. Muudatus 4: 45 ft konteinerid**

Keel en

#### **EVS-ISO 1161:2003/prA1:2010**

ja identne ISO 1161:1984/Amd 1:2007

Tähtaeg 30.11.2010

**1. seeria veokonteinerid. Nurgakinniti. Spetsifikatsioon. Muudatus 1: 45 ft konteinerid**

Keel en

### **EVS-ISO 1496-1:2003/prA4:2010**

ja identne ISO 1496-1:1990/Amd 4:2006

Tähtaeg 30.11.2010

#### **1. seeria veokonteinerid. Andmed ja katsetamine.**

#### **Osa 1: Üldotstarbelised kaubakonteinerid. Muudatus 4**

Keel en

### **EVS-ISO 1496-1:2003/prA5:2010**

ja identne ISO 1496-1:1990/Amd 5:2006

Tähtaeg 30.11.2010

#### **1. seeria veokonteinerid. Andmed ja katsetamine.**

#### **Osa 1: Üldotstarbelised kaubakonteinerid. Muudatus 5. Uksed ja turvalisus**

Keel en

## **59 TEKSTIILI- JA NAHATEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 14151:2010**

Hind 105,00

Identne EN 14151:2010

#### **Geosynthetics - Determination of burst strength**

This European Standard specifies a method for the determination of bi-axial properties (burst strength) of geosynthetics. This method applies to geotextiles, geosynthetic barriers and their related products. It applies to clay geosynthetic barriers only when tested in dry conditions.

Keel en

#### **EVS-EN ISO 105-E05:2010**

Hind 80,00

Identne EN ISO 105-E05:2010

ja identne ISO 105-E05:2010

#### **Textiles - Tests for colour fastness - Part E05: Colour fastness to spotting: Acid**

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all kinds, and in all forms, to the action of dilute solutions of organic and mineral acids. Four tests differing in severity are provided. Any or all can be used, depending upon the nature of the fibre.

Keel en

Asendab EVS-EN ISO 105-E05:2006

#### **EVS-EN ISO 2061:2010**

Hind 135,00

Identne EN ISO 2061:2010

ja identne ISO 2061:2010

#### **Tekstiil. Lõnga keerumuse määramine.**

#### **Loendusmeetod**

This International Standard specifies a method for the determination of the direction of twist in yarns, the amount of twist, in terms of turns per unit length, and the change in length on untwisting, by the direct counting method. This International Standard is applicable to a) single yarns (spun and filament), b) plied yarns, and c) cabled yarns. Separate procedures are given for each type of yarn. The method is designed primarily for yarns in packages, but, with special precautions, the procedures can be used for yarns taken from fabrics. It is not suitable for the determination of twist in a monofilament.

Keel en

Asendab EVS-EN ISO 2061:2000

### **EVS-EN ISO 2307:2010**

Hind 155,00

Identne EN ISO 2307:2010

ja identne ISO 2307:2010

#### **Fibre ropes - Determination of certain physical and mechanical properties**

This International Standard specifies, for ropes of different kinds, a method of determining each of the following characteristics: - linear density; - lay length; - braid pitch; - elongation; - breaking force. The linear density, lay length and braided pitch are measured with the rope under a specified tension called the reference tension, as specified in Annex A. The elongation corresponds to the measured increase in length of the rope when the tension to which it is subjected is increased from an initial value (reference tension) to a value equal to 50 % of the minimum specified breaking strength of the rope. The breaking force is the maximum force registered (or reached) during a breaking test on the test piece, carried out on a tensile testing machine with constant rate of traverse of the moving element. The breaking force values given in the tables of rope specifications are only valid when this type of testing machine is used. When it is not possible to test the whole section of rope, the method described in Annex B can be used, subject to agreement between the parties involved. This International Standard also provides a method for measuring water repellency, lubrication and finish content, and heat setting treatment, when requested by the customer.

Keel en

Asendab EVS-EN ISO 2307:2005

#### **EVS-EN ISO 9239-1:2010**

Hind 188,00

Identne EN ISO 9239-1:2010

ja identne ISO 9239-1:2010

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

This part of ISO 9239 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. This part of ISO 9239 is applicable to the measurement and description of the properties of floorings in response to heat and flame under controlled laboratory conditions. It should not be used alone to describe or appraise the fire hazard or fire risk of floorings under actual fire conditions. Information on the precision of the test method is given in Annex B.

Keel en

Asendab EVS-EN ISO 9239-1:2002



## **EVS-EN ISO 9554:2010**

Hind 178,00

Identne EN ISO 9554:2010

ja identne ISO 9554:2010

### **Fibre ropes - General specification**

This International Standard specifies the general characteristics of fibre ropes and their constituent materials. It is intended to be used in conjunction with the standards for the individual types of fibre rope, which cover the physical properties and specific requirements for that particular product type. This International Standard also gives some information on the use of fibre ropes and also on their inspection and retirement criteria. This International Standard does not intend to address all of the safety matters associated with its use. It is the responsibility of the user to select a rope type of the size and with the physical properties to meet the requirements of the application and to determine the applicability of regulatory limitations prior to its use.

Keel en

Asendab EVS-EN ISO 9554:2005

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN ISO 105-E05:2006**

Identne EN ISO 105-E05:2006

ja identne ISO 105-E05:2006

#### **Textiles - Tests for colour fastness - Part E05: Colour fastness to spotting: Acid**

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all kinds, and in all forms, to the action of dilute solutions of organic and mineral acids. Four tests differing in severity are provided. Any or all may be used, depending upon the nature of the fibre.

Keel en

Asendab EVS-EN ISO 105-E05:2003

Asendatud EVS-EN ISO 105-E05:2010

### **EVS-EN ISO 105-E05:2006/AC:2007**

Identne EN ISO 105-E05:2006/AC:2007

#### **Textiles - Tests for colour fastness - Part E05: Colour fastness to spotting: Acid**

Keel en

### **EVS-EN ISO 2061:2000**

Identne EN ISO 2061:1995

ja identne ISO 2061:1995

#### **Tekstiil. Lõnga keerumuse määramine.**

##### **Loendusmeetod**

See standard määrab kindlaks meetodi, et määrata lõngade keeru suund, keerumus keerdude arvuna pikkusühiku kohta ning pikkuse muutmine lahtikeerutamisel otsese loendamise meetodi abil.

Keel en

Asendatud EVS-EN ISO 2061:2010

### **EVS-EN ISO 2307:2005**

Identne EN ISO 2307:2005

ja identne ISO 2307:2005

#### **Fibre ropes - Determination of certain physical and mechanical properties**

This European Standard specifies, for ropes of different kinds, a method of determining each of the following characteristics: - linear density;- lay length;- braided pitch;- elongation;- breaking force

Keel en

Asendab EVS-EN 919:2000

Asendatud EVS-EN ISO 2307:2010

## **EVS-EN ISO 9239-1:2002**

Identne EN ISO 9239-1:2001

ja identne ISO 9239-1:2002

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

This standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a radiant heat flux radiant gradient in a test chamber, when ignited with a pilot flames.

Keel en

Asendatud EVS-EN ISO 9239-1:2010

### **EVS-EN ISO 9554:2005**

Identne EN ISO 9554:2005

ja identne ISO 9554:2005

### **Fibre ropes - General specification**

This International Standard specifies the general characteristics of fibre ropes and their constituent materials. It is intended to be used in conjunction with the standards for the individual types of fibre rope, which cover the physical properties and specific requirements for that particular product type. This International Standard also gives some information on the use of fibre ropes and also on their inspection and retirement criteria.

Keel en

Asendab EVS-EN 701:2000

Asendatud EVS-EN ISO 9554:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 13113:2002+A1**

Identne EN 13113:2002+A1:2010

Tähtaeg 29.11.2010

#### **Nahaparkimismasinad. Rulliga pinnakatmismasinad. Ohutusnõuded**

This European Standard deals with the following roller coating machines (see Figures 2 to 4 and normative annex A for description): a) single and multi-roller contra-rotating machines (see Figure 2); b) single and multi-roller synchronised machines (see Figure 3); c) single and multi roller- contra-rotating /synchronised machines, so-called combined machines (see Figure 4). The machines are not intended to be used during transportation. This standard specifies safety requirements for design, construction and operation. It takes account of intended use, foreseeable misuse, component and systems failure. This standard takes account of material feeding and handling devices which, when attached to the machine, become an integral part.

Keel en

Asendab EVS-EN 13113:2002

### **prEN ISO 2419**

Identne prEN ISO 2419:2010

ja identne ISO/DIS 2419:2010

Tähtaeg 29.11.2010

#### **Leather - Physical and mechanical tests - Sample preparation and conditioning**

This International Standards specifies the preparation of leather for physical and mechanical testing together with standard atmospheres for conditioning and testing. It is applicable to all types of dry leather.

Keel en

Asendab EVS-EN ISO 2419:2006

### **prEN ISO 17076-1**

Identne prEN ISO 17076-1:2010

ja identne ISO/DIS 17076-1:2010

Tähtaeg 29.11.2010

#### **Leather - Determination of abrasion resistance - Part 1: Taber method**

This International Standard specifies a method of determining the abrasion resistance of leather using Taber apparatus.

Keel en

Asendab EVS-EN ISO 14327:2004

### **prEN ISO 26082-1**

Identne prEN ISO 26082-1:2010

ja identne ISO/DIS 26082-1:2010

Tähtaeg 29.11.2010

#### **Leather - Physical and mechanical test method for the determination of soiling - Part 1: Rubbing (Martindale) method**

This method is intended to determine the resistance of all forms of leather to visible soiling through repeated contact with soiled objects. It provides a physical pre-treatment routine for leathers that may be vulnerable to loss of soiling resistance in service prior to further tests such as cleaning. Annex A of this standard is for information only.

Keel en

Asendab EVS-EN ISO 26082:2008

## **61 RÕIVATÖÖSTUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TR 16178:2010**

Hind 229,00

Identne CEN ISO/TR 16178:2010

#### **Footwear - Critical substances potentially present in footwear and footwear components**

This Technical Report establishes a list of critical chemical substances potentially present in footwear and footwear components. This Technical Report describes the critical chemical substances, their potential risks, in which materials they could be found, and which test method(s) can be used to quantify them. It does not include requirements; it is the responsibility of the user of this Technical Report to fix his level of acceptance, e.g. using a defined concentration or detection limit or quantification limit, etc. The proposed test methods indicate the state of the art. Some substances do not include a test method, as no normative test method is available at the moment of the publication of this Technical Report. If possible, it will be included in a further revision of this Technical Report. This Technical Report applies to any kind of footwear and footwear material.

Keel en

### **CEN/TR 15990:2010**

Hind 135,00

Identne CEN/TR 15990:2010

#### **Data Sheets - Footwear Tests Materials and Test Adhesives**

For research, development and quality certification purposes, some simply formulated 1- and 2-part "reference test adhesives" have been developed and, from the most important and most often applied, some materials have been selected as "reference test materials". This technical report offers for each of these reference test adhesives and reference test materials some information and specify some properties. CEN/TC 193/WG 5 takes care for a continuous updating of these data sheets.

Keel en

#### **EVS-EN ISO 10765:2010**

Hind 105,00

Identne EN ISO 10765:2010

ja identne ISO 10765:2010

#### **Footwear - Test method for the characterization of elastic materials - Tensile performance**

This International Standard specifies a test method for the determination of some typical parameters of elastics for footwear using the strength/elongation graph, which is obtained from the tensile strength test. This method is applicable to any elastic material used for footwear.

Keel en

#### **EVS-EN ISO 10768:2010**

Hind 92,00

Identne EN ISO 10768:2010

ja identne ISO 10768:2010

#### **Footwear - Test method for the determination of the resistance of elastics for footwear to repeated extension - Fatigue resistance**

This International Standard specifies a test method for the determination of the resistance of elastic materials for footwear, to repeated extension produced during normal walking. The test can be carried out before and after accelerated ageing. This method is applicable to any elastic material used for footwear.

Keel en

## **65 PÕLLUMAJANDUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **EVS-EN 15928:2010**

Hind 80,00

Identne EN 15928:2010

#### **Fertilizers - Determination of the fineness of grinding (dry procedure)**

This European Standard specifies the dry procedure for the determination of the fineness of grinding, which is applicable to all EC type fertilizers in which requirements are given of fineness of grinding using 0,630 mm and 0,160 mm.

Keel en

## **EVS-EN ISO 12099:2010**

Hind 209,00

Identne EN ISO 12099:2010

ja identne ISO 12099:2010

### **Animal feeding stuffs, cereals and milled cereal products - Guidelines for the application of near infrared spectrometry**

This International Standard gives guidelines for the determination by near infrared spectroscopy of constituents such as moisture, fat, protein, starch, and crude fibre as well as parameters such as digestibility in animal feeding stuffs, cereals and milled cereal products. The determinations are based on spectrometric measurement in the near infrared spectral region.

Keel en

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 16158**

Identne prEN 16158:2010

Tähtaeg 29.11.2010

### **Animal feeding stuffs - Determination of semduramicin content - Liquid chromatographic method using a tree analytical approach**

This international standard specifies a high-performance liquid chromatographic (HPLC) method for the determination of the semduramicin content at authorized level in animal feeding stuffs, using mass spectrometry detection or post-column derivatisation and UV detection. This method is applicable to poultry feed. The limit of quantitation is 1,0 mg kg<sup>-1</sup> when mass spectrometry is used for detection and 3,0 mg kg<sup>-1</sup> when the detection is performed by UV with post-column derivatization. Lower limits of quantitation are achievable but this is to be validated by the user. The method allows the discrimination of semduramicin from monensin, salinomycin, narasin, maduramicin and lasalocid.

Keel en

### **prEN 16159**

Identne prEN 16159:2010

Tähtaeg 29.11.2010

### **Animal feeding stuffs - Determination of selenium by hydride generation atomic absorption spectrometry (HGAAS) after microwave digestion (extraction with 65% nitric acid and 30% hydrogen peroxide)**

This European Standard specifies a method for the determination of selenium in animal feeding stuffs by hydride generation atomic absorption spectrometry (HGAAS) after microwave pressure digestion. The limit of quantification is 0,5 µg/l of the test solution. Using a test portion of 0,5 g and a volume of the test solution of 25 ml after pressure digestion the limit of quantification is calculated as 0,125 mg/kg in the sample.

Keel en

### **prEVS-ISO 4387:2006/A1**

ja identne ISO 4387:2000/Amd 1:2008

Tähtaeg 20.11.2010

### **Sigaretid. Kuivade tahkete osakeste kogu- ja nikotiinivaba hulga kindlaksmääramine rutiinse analüütilise suitsumasina abil. Muudatus 1**

Keel en

## **prEVS-ISO 8454**

ja identne ISO 8454:2007+Amd.1:2009

Tähtaeg 20.11.2010

### **Sigaretid. Süsinikmonoksiidi määramine sigaretisuitsu aurufaasis. NDIR meetod**

Käesolev rahvusvaheline standard täpsustab meetodi süsinikmonoksiidi kindlaks määramiseks sigaretisuitsu aurufaasis.

Keel en

Asendab EVS-ISO 8454:2006

## **67 TOIDUAINETE TEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

### **EVS-EN 12331:2004+A2:2010**

Hind 229,00

Identne EN 12331:2003+A2:2010

### **Toidutöötlemismasinad. Hakkimismasinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This European Standard specifies requirements for the design and manufacture of mincing machines (see Figures 1 and 2) used in a stationary position. The machines covered by this standard are used for size reduction of fresh or frozen meat, meat products and fish by cutting in a set of cutting tools. Mincing machines for domestic uses are not included in this standard. Filling mincers are covered by EN 12463\$ Food processing machinery - Filling machines and auxiliary machines - Safety and hygiene requirements. This standard applies only to machines that are manufactured after the date of issue of this standard. Mincing machines in connection with using a hold to run foot switch are not covered by this standard. This European Standard covers: - mincing machines used in shops and preparation rooms; - mincing machines used in kitchens where sausages are prepared; - mincing machines used industrially; - accessories. The extent to which hazards are covered, is indicated in this European Standard. For other hazards which are not covered by this European Standard, machinery should comply with EN ISO 12100 where applicable. This European Standard is not dealing with specific requirements for the control of mincing machines with foot switch.

Keel en

Asendab EVS-EN 12331:2004; EVS-EN 12331:2004/A1:2005

**EVS-EN 12984:2005+A1:2010**

Hind 198,00

Identne EN 12984:2005+A1:2010

**Toidutöötlemismasinad. Kaasaskantavad ja/või käsitsi juhitud, mehhaanilise ajamiga lõikeseadmetega masinad ja seadmed. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This European Standard covers portable and/or hand-guided machines and appliances equipped with mechanically driven cutting tools. This European Standard specifies requirements for the design and manufacture of portable and/or hand-guided machines and appliances equipped with electrically, hydraulically or pneumatically driven cutting tools, here in after referred to as "machines". The machines covered by this European Standard are used for slaughtering animals, for cutting up animal carcasses, poultry and other foodstuff such as e.g. fish. They are mainly intended for use in slaughterhouses and rooms, which are used for cutting and preparing. These machines are used for the industry and trade. This European Standard specifies all significant hazards, hazardous situations and events relevant to the machines in the scope, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European Standard deals with the hazards which can arise during commissioning, operation, maintenance and de-commissioning of the machine. This European Standard is not applicable to portable and/or hand-guided machines and appliances equipped with electrically, hydraulically or pneumatically driven cutting tools, which are manufactured before the date of publication of this European Standard by CEN.

Keel en

Asendab EVS-EN 12984:2005

**EVS-EN 13534:2006+A1:2010**

Hind 229,00

Identne EN 13534:2006+A1:2010

**Toidutöötlemismasinad. Termo-injektsioonimasinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This standard applies for - curing injection machines with infeed and outfeed devices;- curing injection machines with infeed and outfeed devices and loading devices. This standard does not apply to portable/hand guided curing injection devices.

Keel en

Asendab EVS-EN 13534:2006

**EVS-EN 13570:2005+A1:2010**

Hind 229,00

Identne EN 13570:2005+A1:2010

**Toidutöötlemismasinad. Segamismasinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This European Standard specifies safety and hygiene requirements to minimise the hazards which can arise during the commissioning, the use and the maintenance of mixing machines and their accessories intended to be used in sausage kitchens and industrial operations. This European Standard deals with all significant hazards, hazardous situations and events relevant to mixing machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European standard is not applicable to mixing machines which are manufactured before the date of publication of this European Standard by CEN.

Keel en

Asendab EVS-EN 13570:2005

**EVS-EN 13870:2005+A1:2010**

Hind 229,00

Identne EN 13870:2005+A1:2010

**Toidutöötlemismasinad. Hakkimismasinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This document covers chop cutting machines and accessories. The extent, to which hazards are covered, is indicated in this document. 1.1 This document specifies requirements for design and manufacture of chop cutting machines. The machines covered by this document are used for continuous portioning of fresh, smoked or frozen meat with and without bones or of similar products by separation by means of a blade. This document deals with all significant hazards, hazardous situations and events relevant to machines, appliances and machinery, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This document deals with the hazards which can arise during commissioning, operation, maintenance and de-commissioning of the machine. The document is not dealing with the specific hazards of loading devices. This document is not applicable to chop cutting machines which are manufactured before the date of publication of this document by CEN. 1.2 This document covers the following types of machines: - chop cutting machines with a discharge chute (Figure 1); - chop cutting machines with a discharge trough (Figure 2).

Keel en

Asendab EVS-EN 13870:2005

**EVS-EN 13871:2005+A1:2010**

Hind 256,00

Identne EN 13871:2005+A1:2010

**Toidutöötlemismasinad. Kuubikute lõikamise masinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This document covers cube cutting machines and accessories. 1.1 This document specifies requirements for the design and manufacture of cubes cutting machines (see Figures 1 to 6 and 12 to 18). The machines covered by this document are used to size reduce fresh meat, meat products and products of the same kind by cutting in a cutting unit. This document deals with all significant hazards, hazardous situations and events relevant to machines, appliances and machinery, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This document deals with the hazards which can arise during commissioning, operation, maintenance and de-commissioning of the machine. This document is not applicable to cubes cutting machines which are manufactured before the date of publication of this document by CEN.

Keel en

Asendab EVS-EN 13871:2005

**EVS-EN 13885:2005+A1:2010**

Hind 229,00

Identne EN 13885:2005+A1:2010

**Toidutöötlemismasinad. Lõikamismasinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST**

This European Standard specifies safety and hygiene requirements to minimise the hazards which can arise during the commissioning, the use and the maintenance of clipping machines for portioning and closing of casings filled with foodstuffs, and intended to be used in butcheries, meat processing factories, main kitchens and other food processing factories. This European Standard deals with all significant hazards, hazardous situations and events relevant to clipping machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European Standard is not applicable to clipping machines which are manufactured before the date of publication of this European Standard by CEN.

Keel en

Asendab EVS-EN 13885:2005

**EVS-EN ISO 11085:2010**

Hind 145,00

Identne EN ISO 11085:2010

ja identne ISO 11085:2008

**Cereals, cereals-based products and animal feeding stuffs - Determination of crude fat and total fat content by the Randall extraction method**

This International Standard specifies procedures for the determination of the fat content of cereals, cereal-based products, and animal feeding stuffs. These procedures are not applicable to oilseeds and oleaginous fruits. The choice of procedure to be used depends on the nature and composition of the material analysed and the reason for carrying out the analysis. Procedure A is a method for the determination of directly extractable crude fats, applicable to all materials, except those included within the scope of procedure B. Procedure B is a method for the determination of total fats, applicable to all materials from which the oils and fats cannot be completely extracted without prior hydrolysis.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 12331:2004**

Identne EN 12331:2003

**Toidutöötlemismasinad. Hakkimismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies requirements for the design and manufacture of mincing machines (see Figures 1 and 2) used in a stationary position

Keel en

Asendatud EVS-EN 12331:2004+A2:2010

**EVS-EN 12331:2004/A1:2005**

Identne EN 12331:2003/A1:2005

**Toidutöötlemismasinad. Hakkimismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies requirements for the design and manufacture of mincing machines (see Figures 1 and 2) used in a stationary position

Keel en

Asendatud EVS-EN 12331:2004+A2:2010

**EVS-EN 12984:2005**

Identne EN 12984:2005

**Toidutöötlemismasinad. Kaasaskantavad ja/või käsitsi juhitud, mehhaanilise ajamiga lõikeseadmetega masinad ja seadmed. Ohutus- ja hügieeninõuded**

This European Standard covers portable and/or hand-guided machines and appliances equipped with mechanically driven cutting tools.

Keel en

Asendatud EVS-EN 12984:2005+A1:2010

**EVS-EN 13534:2006**

Identne EN 13534:2006

**Toidutöötlemismasinad. Termo-injektsioonimasinad. Ohutus- ja hügieeninõuded**

This standard applies for - curing injection machines with infeed and outfeed devices;- curing injection machines with infeed and outfeed devices and loading devices. This standard does not apply to portable/hand guided curing injection devices.

Keel en

Asendatud EVS-EN 13534:2006+A1:2010

**EVS-EN 13570:2005**

Identne EN 13570:2005

**Toidutöötlemismasinad. Segamismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies safety and hygiene requirements to minimise the hazards which can arise during the commissioning, the use and the maintenance of mixing machines and their accessories intended to be used in sausage kitchens and industrial erations.

Keel en

Asendatud EVS-EN 13570:2005+A1:2010

**EVS-EN 13870:2005**

Identne EN 13870:2005

**Toidutöötlemismasinad. Hakkimismasinad. Ohutus- ja hügieeninõuded**

This European Standard covers chop cutting machines and accessories. The extent, to which hazards are covered, is indicated in this standard.

Keel en

Asendatud EVS-EN 13870:2005+A1:2010

**EVS-EN 13871:2005**

Identne EN 13871:2005 + AC:2005

**Toidutöötlemismasinad. Kuubikute lõikamise masinad. Ohutus- ja hügieeninõuded**

This document specifies requirements for the design and manufacture of cubes cutting machines (see Figures 1 to 6 and 12 to 18). The machines covered by this document are used to size reduce fresh meat, meat products and products of the same kind by cutting in a cutting unit.

Keel en

Asendatud EVS-EN 13871:2005+A1:2010

## **EVS-EN 13885:2005**

Identne EN 13885:2005

### **Toidutöötlemismasinad. Lõikamismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies safety and hygiene requirements to minimise the hazards which can arise during the commissioning, the use and the maintenance of clipping machines for portioning and closing of casings filled with foodstuffs, and intended to be used in butcheries, meat processing factories, main kitchens and other food processing factories.

Keel en

Asendatud EVS-EN 13885:2005+A1:2010

## **EVS-EN ISO 8261:2002**

Identne EN ISO 8261:2001

ja identne ISO 8261:2001

### **Piim ja piimatooted. Mikrobioloogilisteks uuringuteks katseproovide, algsuspensioonide ja kümnendlahjenduste valmistamise üldjuhend**

Standard kirjeldab üldjuhiseid katseproovide, algsuspensioonide ja kümnendlahjenduste valmistamiseks piima ja piimatoodete, kaasa arvatud piimapõhiste imikutoitude, mikrobioloogiliseks uuringuks.

Keel et

Asendatud EVS-EN ISO 6887-5:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **prEN 16155**

Identne prEN 16155:2010

Tähtaeg 29.11.2010

### **Foodstuffs - Determination of sucralose - High performance liquid chromatographic method**

This European Standard specifies a method for the determination of sucralose in foodstuffs by high performance liquid chromatography (HPLC) by means of elution from a reversed-phased (RP) column using aqueous methanol, followed by RI detection. This method has been validated in an interlaboratory study via the analysis of sucralose (from 83 mg/kg to 737 mg/kg) in spiked samples of ketchup, mayonnaise, biscuits, yoghurt, instant beverage powder and sweets. For further information on the validation results see Annex C.

Keel en

### **prEN ISO 11746**

Identne prEN ISO 11746:2010

ja identne ISO/DIS 11746:2010

Tähtaeg 29.11.2010

### **Rice - Determination of biometric characteristics of kernels**

This international Standard specifies a method for the determination of the biometric characteristics of husked or milled rice kernels.

Keel en

## **71 KEEMILINE TEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TS 15968:2010**

Hind 198,00

Identne CEN/TS 15968:2010

#### **Determination of extractable perfluorooctanesulphonate (PFOS) in coated and impregnated solid articles, liquids and fire fighting foams - Method for sampling, extraction and analysis by LC-qMS or LC-tandem/MS**

This European Technical Specification describes the determination of perfluorooctanesulfonate (PFOS) in concentrated extract from coated and impregnated solid articles, liquids and fire extinguishing foams using high performance liquid chromatography-tandem mass spectrometry (LC-tandemMS) or quadrupole mass spectrometry (LC-qMS).

Keel en

#### **EVS-EN 1014-1:2010**

Hind 92,00

Identne EN 1014-1:2010

#### **Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 1: Kreosoodi proovivõtu protseduur**

This European Standard specifies procedures for obtaining a representative sample from a consignment of creosote. This standard is only applicable to consignments of creosote which are in a single phase at the time of the sampling.

Keel en

Asendab EVS-EN 1014-1:2000

#### **EVS-EN 1014-2:2010**

Hind 92,00

Identne EN 1014-2:2010

#### **Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 2: Protseuur kreosoodiga immutatud tarbepuidust kreosoodiproovi saamiseks selle järgneva analüüsi eesmärgil**

Standardi EN 1014 käesolev osa määrab kindlaks protseduuri kreosoodiga immutatud tarbepuidust kreosoodiproovi saamiseks selle järgneva analüüsi eesmärgil.

Keel en

Asendab EVS-EN 1014-2:2000

#### **EVS-EN 1014-3:2010**

Hind 114,00

Identne EN 1014-3:2010

#### **Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 3: Benzo(a)pireeni sisalduse määramine kreosoodis**

This European Standard specifies a method for the determination of benzo(a)pyrene in creosote using high performance liquid chromatography (HPLC). This standard is only applicable to creosotes containing more than 30 mg/kg benzo(a)pyrene.

Keel en

Asendab EVS-EN 1014-3:2000

#### **EVS-EN 1014-4:2010**

Hind 114,00

Identne EN 1014-4:2010

**Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 4: Veega ekstraheeritavate fenoolide sisalduse määramine kreosoodis**

This European Standard specifies a high performance liquid chromatographic (HPLC) method for the determination of the water-extractable phenols content of creosote. For reasons of precision, this standard is applicable to the determination of the water-extractable phenols content of creosotes containing more than 10 g of water-extractable phenols per kilogram of creosote.

Keel en

Asendab EVS-EN 1014-4:2000

#### **EVS-EN 12490:2010**

Hind 135,00

Identne EN 12490:2010

**Durability of wood and wood-based products - Preservative-treated solid wood - Determination of the penetration and retention of creosote in treated wood**

This European Standard specifies the reference methods for determining the penetration and retention of creosote in timber freshly treated with creosote, principally in order to ascertain whether the treated timber conforms to specifications written in terms of EN 351-1. It also provides guidance on the acquisition of test samples and their handling between sampling and analysis.

Keel en

Asendab EVS-EN 12490:2001

#### **EVS-EN ISO 10156:2010/AC:2010**

Hind 0,00

Identne EN ISO 10156:2010/AC:2010

ja identne ISO 10156:2010/Cor 1:2010

**Gaasid ja gaaside segud. Tuleohtlikkuse ja oksüdeerimisvõime määramine balloone väljalaskeventiilide valikuks**

Keel en

### **ASENDATUD VÕI TÜHISTATUD STANDARDID**

#### **EVS-EN 1014-2:2000**

Identne EN 1014-2:1995

**Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 2: Protseduur kreosoodiga immutatud tarbepuidust kreosoodiproovi saamiseks selle järgneva analüüsi eesmärgil**

Standardi EN 1014 käesolev osa määrab kindlaks protseduuri kreosoodiga immutatud tarbepuidust kreosoodiproovi saamiseks selle järgneva analüüsi eesmärgil.

Keel en

Asendatud EVS-EN 1014-2:2010

#### **EVS-EN 1014-3:2000**

Identne EN 1014-3:1997

**Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 3: Benso(a)püreeeni sisalduse määramine kreosoodis**

Standardi EN 1014 käesolev osa määrab kindlaks meetodi benso(a)püreeeni sisalduse määramiseks kreosoodis, kasutades kõrgsurvevedelikkromatograafiat (high performance liquid chromatography) (HPLC). Käesolev standard on rakendatav ainult kreosootidele, mis sisaldavad rohkem kui 30 mg/kg benso(a)püreeeni.

Keel en

Asendatud EVS-EN 1014-3:2010

#### **EVS-EN 1014-4:2000**

Identne EN 1014-4:1995

**Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 4: Veega ekstraheeritavate fenoolide sisalduse määramine kreosoodis**

Standardi EN 1014 käesolev osa määrab kindlaks kõrgsurvevedelikkromatograafilise meetodi veega ekstraheeritavate fenoolide määramiseks kreosoodis. Täpsuse tõttu on käesolev standard rakendatav veega ekstraheeritavate fenoolide sisalduse määramiseks kreosootides, mis sisaldavad rohkem kui 10 g veega ekstraheeruvaid fenoolide kg kreosoodi kohta.

Keel en

Asendatud EVS-EN 1014-4:2010

#### **EVS-EN 1014-1:2000**

Identne EN 1014-1:1995

**Puidukaitsevahendid. Kreosoot ja kreosoodiga immutatud tarbepuit. Proovivõtu- ja analüüsimeetodid. Osa 1: Kreosoodi proovivõtu protseduur**

Standardi EN 1014 käesolev osa määrab kindlaks protseduuri kreosoodi kaubapartiist iseloomustava proovi saamiseks. Standardi EN 1014 käesolev osa on rakendatav ainult kreosoodi kaubapartiidele, kus kreosoot on proovivõtu ajal ühes faasis. Märkus 1: toatemperatuuril võib osa kreosoodist olla kristallilisel kujul. Sel juhul on enne proovivõttu vaja kuumutada kreosoot temperatuurini, kus ta on täielikult vedelas olekus.

Keel en

Asendatud EVS-EN 1014-1:2010

#### **EVS-EN 12490:2001**

Identne EN 12490:1998

**Durability of wood and wood-based products - Preservative-treated solid wood - Determination of the penetration and retention of creosote in treated wood**

This European Standard specifies the reference method for determining the penetration and retention of creosote in timber freshly-treated with creosote, principally in order to ascertain whether the treated timber conforms to specifications written in terms of EN 351-1. It also provides guidance on the acquisition of test samples and their handling between sampling and analysis.

Keel en

Asendatud EVS-EN 12490:2010

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN/TR 15404:2010**

Hind 145,00

Identne CEN/TR 15404:2010

#### **Solid recovered fuels - Methods for the determination of ash melting behaviour by using characteristic temperatures**

This Technical Report describes exemplarily methods for the determination of shrinking, deformation, hemisphere and flow temperature for characterising the ash melting behaviour of all solid recovered fuels.

Keel en

Asendab CEN/TS 15404:2006

#### **CEN/TS 15405:2010**

Hind 124,00

Identne CEN/TS 15405:2010

#### **Solid recovered fuels - Determination of density of pellets and briquettes**

This Technical Specification specifies a method for the determination of particle density of irregularly shaped pieces of compressed fuels such as pellets or briquettes. It is not applicable to soft or semi-soft pellets.

Keel en

Asendab CEN/TS 15405:2006

#### **CEN/TS 15406:2010**

Hind 124,00

Identne CEN/TS 15406:2010

#### **Solid recovered fuels - Determination of bridging properties of bulk material**

This Technical Specification specifies a method for the determination of bridging properties of solid recovered fuels using standard measuring equipment. The method is applicable to all solid recovered fuels with maximum dimensions of the particle of 100 mm.

Keel en

Asendab CEN/TS 15406:2006

#### **CEN/TS 15639:2010**

Hind 105,00

Identne CEN/TS 15639:2010

#### **Solid recovered fuels - Determination of mechanical durability of pellets**

This document specifies a test method for the determination of mechanical durability of pellets. It is intended to be applied by persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to such pellets, and that are involved in producing, purchasing, selling and utilising pellets. The method specified is not applicable to soft pellets.

Keel en

Asendab CEN/TS 15639:2007

#### **EVS-EN 13358:2010**

Hind 124,00

Identne EN 13358:2010

#### **Bitumen and bituminous binders - Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes**

This European Standard specifies a method for the determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes. WARNING - The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13358:2004

#### **EVS-EN ISO 13628-1:2006/A1:2010**

Hind 135,00

Identne EN ISO 13628-1:2005/A1:2010

ja identne ISO 13628-1:2005/Amd 1:2010

#### **Petroleum and natural gas industries - Design and operation of subsea production systems - Part 1: General requirements and recommendations - Amendment 1: Revised Clause 6**

This part of ISO 13628 provides general requirements and overall recommendations for development of complete subsea production systems, from the design phase to decommissioning and abandonment.

Keel en

#### **EVS-EN ISO 28781:2010**

Hind 256,00

Identne EN ISO 28781:2010

ja identne ISO 28781:2010

#### **Petroleum and natural gas industries - Drilling and production equipment - Subsurface valves and related equipment**

This International Standard provides the requirements for subsurface barrier valves and related equipment as they are defined herein for use in the petroleum and natural gas industries. Included are the requirements for design, design validation, manufacturing, functional evaluation, repair, redress, handling and storage. Subsurface barrier valves provide a means of isolating the formation or creating a barrier in the tubular to facilitate the performance of pre- and/or post-production/injection operational activities in the well. The subsurface barrier valve is not designed as an emergency or fail-safe flow controlling safety device. This International Standard does not cover installation and maintenance, control systems such as computer systems, and control conduits not integral to the barrier valve. Also not included are products covered under ISO 17078, ISO 16070, ISO 14310, ISO 10432, ISO 10423 and the following products: downhole chokes, wellhead plugs, sliding sleeves, casing-mounted flow-control valves, injection valves, well-condition-activated valves or drill-stem test tools. This International Standard does not cover the connections to the well conduit.

Keel en



## ASENDATUD VÕI TÛHISTATUD STANDARDID

### **CEN/TS 15404:2006**

Identne CEN/TS 15404:2006

#### **Solid recovered fuels - Methods for the determination of ash melting behaviour**

This Technical Specification specifies a method for the determination of ash melting behaviour of all solid recovered fuels. It is primarily intended for use by laboratories, producers, suppliers and purchasers of solid recovered fuels but is also applicable by authorities and inspection organisations.

Keel en

Asendatud CEN/TR 15404:2010

### **CEN/TS 15405:2006**

Identne CEN/TS 15405:2006

#### **Solid recovered fuels - Methods for the determination of density of pellets and briquettes**

This Technical Specification specifies a method for the determination of particle density of irregularly shaped pieces of compressed fuels such as pellets or briquettes.

Keel en

Asendatud CEN/TS 15405:2010

### **CEN/TS 15406:2006**

Identne CEN/TS 15406:2006

#### **Solid recovered fuels - Methods for the determination of bridging properties of bulk material**

This Technical Specification specifies a method for the determination of bridging properties of solid recovered fuels using a standard measuring equipment.

Keel en

Asendatud CEN/TS 15406:2010

### **CEN/TS 15639:2007**

Identne CEN/TS 15639:2007

#### **Solid recovered fuels - Methods for the determination of mechanical durability of pellets**

This document specifies test methods for the determination of the mechanical durability of pellets. It is intended to be applied by persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to such pellets, and that are involved in producing, purchasing, selling and utilising pellets. The method is not applicable to soft pellets.

Keel en

Asendatud CEN/TS 15639:2010

### **EVS-EN 13358:2004**

Identne EN 13358:2004

#### **Bitumen and bituminous binders - Determination of the distillation characteristics of petroleum cut-back bitumen products**

This European Standard specifies a method for the determination of the distillation characteristics of petroleum cutback bitumen products (petroleum cut-back includes in this standard, the cut-back and the fluxed bitumens).

Keel en

Asendatud EVS-EN 13358:2010

## KAVANDITE ARVAMUSKÛSITLUS

### **FprEN ISO 20783-1**

Identne FprEN ISO 20783-1:2010

ja identne ISO/FDIS 20783-1:2010

Tähtaeg 29.11.2010

#### **Petroleum and related products - Determination of emulsion stability of fire-resistant fluids - Part 1: Fluids in category HFAE**

This part of ISO 20783 specifies a test method to assess the stability of emulsions within the category HFAE, as defined in ISO 6743-4, made up with waters having clearly-defined concentrations of salts. This method is applicable only to HFAE fluids and not to HFAS fluids.

Keel en

Asendab EVS-EN ISO 20783-1:2004

### **FprEN ISO 20843**

Identne FprEN ISO 20843:2010

ja identne ISO/FDIS 20843:2010

Tähtaeg 29.11.2010

#### **Petroleum and related products - Determination of pH of fire-resistant fluids within categories HFAE, HFAS and HFC**

This International Standard specifies a test method to determine the pH value of non-flammable fluids within categories HFAE, HFAS and HFC, as classified in ISO 6743-4.

Keel en

Asendab EVS-EN ISO 20843:2004

### **prEN ISO 12211**

Identne prEN ISO 12211:2010

ja identne ISO/DIS 12211:2010

Tähtaeg 29.11.2010

#### **Petroleum, petrochemical and natural gas industries - Spiral plate heat exchangers**

This International Standard specifies requirements and gives recommendations for the mechanical design, materials selection, fabrication, inspection, testing, and preparation for shipment of spiral plate heat exchangers for the petroleum, petrochemical and natural gas industries. It is applicable to stand-alone spiral plate heat exchangers and those integral with a pressure vessel.

Keel en

## **77 METALLURGIA**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 14938-2:2010**

Hind 114,00

Identne EN 14938-2:2010

#### **Copper and copper alloys - Determination of bismuth content - Part 2: Flame atomic absorption spectrometric method (FAAS)**

This European Standard specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the bismuth content of copper and copper alloys in the form of unwrought, wrought and cast products. The method is applicable to products having bismuth mass fractions between 0,01 % and 0,25 %.

Keel en

Asendab CEN/TS 14938-2:2006

**EVS-EN 15023-3:2010**

Hind 124,00

Identne EN 15023-3:2010

**Copper and copper alloys - Determination of nickel content - Part 3: Flame atomic absorption spectrometric method (FAAS)**

This European Standard specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the nickel content of copper and copper alloys in the form of unwrought, wrought and cast products. The method is applicable to products having a nickel mass fractions between 0,001 % and 6,0 %.

Keel en

Asendab CEN/TS 15023-3:2006

**EVS-EN 15025:2010**

Hind 114,00

Identne EN 15025:2010

**Copper and copper alloys - Determination of magnesium content - Flame atomic absorption spectrometric method (FAAS)**

This European Standard specifies a flame atomic absorption spectrometric method (FAAS) for the determination of magnesium content of copper and copper alloys in the form of unwrought, wrought and cast products. The method is applicable to products having magnesium mass fractions between 0,001 % and 0,20 %.

Keel en

Asendab CEN/TS 15025:2006

**EVS-EN 15605:2010**

Hind 243,00

Identne EN 15605:2010

**Copper and copper alloys - Inductively coupled plasma optical emission spectrometry**

This European Standard specifies six inductively coupled plasma emission spectrometry methods (A to F) for the determination of alloying elements and impurities in copper and copper alloys in the form of unwrought, wrought and cast products. A complementary method, for the analysis of Copper-tin-lead alloys, is described in Annex B (informative). The precision criteria concerning this method do not reach the suitable level, for all the elements specified (zinc and phosphorus, namely).

Keel en

Asendab CEN/TS 15605:2007

**EVS-EN 15915:2010**

Hind 135,00

Identne EN 15915:2010

**Copper and copper alloys - Determination of silver content - Flame atomic absorption spectrometric method (FAAS)**

This European Standard specifies two flame atomic absorption spectrometric methods (FAAS) for the determination of the silver content of copper and copper alloys in the form of unwrought, wrought and cast products. The methods are applicable to products having silver mass fractions between 0,01 % and 2,0 %.

a) Method A is applicable to copper and copper alloys having silver mass fractions between 0,01 % and 1,0 % and containing antimony or tin not greater than 0,005 % or silicon not greater than 0,010 %. b) Method B is applicable to copper and copper alloys having silver mass fractions between 0,01 % and 2,0 % and antimony or tin greater than 0,005 % and silicon greater than 0,010 %.

Keel en

**EVS-EN 15916-2:2010**

Hind 105,00

Identne EN 15916-2:2010

**Copper and copper alloys - Determination of medium tellurium content - Part 2: Flame atomic absorption spectrometric method (FAAS)**

This European Standard specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the tellurium content of copper and copper alloys in form of castings or unwrought or wrought products. The method is applicable to products having tellurium mass fractions between 0,20 % and 1,00 %.

Keel en

**EVS-EN ISO 4498:2010**

Hind 135,00

Identne EN ISO 4498:2010

ja identne ISO 4498:2010

**Metallkeraamilised materjalid, välja arvatud kõvasulamid. Näivkõvaduse määramine. Osa 1: Materjalid, mille kõvadus ristlõike ulatuses on põhiliselt ühtlane**

1.1 This International Standard specifies methods of hardness testing of sintered metal materials, excluding hardmetals. 1.2 Procedure 1 determines the apparent hardness of the whole material. Procedure 1 - applies to sintered metal materials which have either not been subjected to any heat treatment, or which have been heat treated in such a way that the hardness is essentially uniform to a depth of at least 5 mm below the surface, - applies to the surfaces of sintered metal materials which have been treated in such a way that the hardness is not uniform in the section to a depth of 5 mm below the surface, - therefore applies to materials in which the hardness is obtained essentially by surface enrichment by carbon, or by carbon and nitrogen (for example by carburizing, carbonitriding, nitrocarburizing or sulfidizing), and - applies to materials which have been induction hardened. 1.3 Procedure 2 determines the microhardness of the metal phase. Procedure 2 - applies to all types of sintered metal materials, - is used, in particular, to determine the hardness profile of case-hardened or carbonitrided materials in accordance with the method described in ISO 4507, and - also applies to any sintered metallic materials which have been subjected to surface treatments such as electrodeposited plating, chemical coating, chemical vapour deposition (CVD), physical vapour deposition (PVD), laser, ion bombardment, etc. To determine the microhardness of treated surfaces, Procedure 2 applies.

Keel en

Asendab EVS-EN ISO 4498:2007

**EVS-EN ISO 8993:2010**

Hind 124,00

Identne EN ISO 8993:2010

ja identne ISO 8993:2010

**Anodizing of aluminium and its alloys - Rating system for the evaluation of pitting corrosion - Chart method**

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

Keel en

Asendab EVS-EN 12373-18:2002

**EVS-EN ISO 11130:2010**

Hind 145,00

Identne EN ISO 11130:2010

ja identne ISO 11130:2010

**Corrosion of metals and alloys - Alternate immersion test in salt solution**

This International Standard specifies a method for assessing the corrosion resistance of metals by an alternate immersion test in salt solution, with or without applied stress. The test is particularly suitable for quality control during the manufacture of metals including aluminium alloys and ferrous materials, and also for assessment purposes during alloy development. Depending upon the chemical composition of the test solution, the test can be used to simulate the corrosive effects of marine splash zones, de-icing fluids and acid salt environments. The term "metal" as used in this International Standard includes metallic materials with or without corrosion protection. The alternate immersion test applies to - metals and their alloys, - certain metallic coatings (anodic and cathodic with respect to the substrate), - certain conversion coatings, - certain anodic oxide coating, and - organic coatings on metals. This International Standard is not applicable to stainless steel.

Keel en

Asendab EVS-EN ISO 11130:2000

**EVS-EN ISO 11876:2010**

Hind 80,00

Identne EN ISO 11876:2010

ja identne ISO 11876:2010

**Hardmetals - Determination of calcium, copper, iron, potassium, magnesium, manganese, sodium, nickel, and zinc in cobalt metal powders - Flame atomic absorption spectrometric method**

This International Standard specifies a flame atomic absorption spectrometric method to be used for the determination of the mass fractions of copper, potassium, magnesium, manganese, sodium and zinc in cobalt metal powders in the range of 0,001 % to 0,01 %, calcium in the range of 0,002 % to 0,01 %, and iron and nickel in the range of 0,002 % to 0,05 %.

Keel en

**EVS-ENV 14029:2010**

Hind 124,00

Identne ENV 14029:2001

**Lead and lead alloys - Analysis by flame atomic absorption spectrometry (FAAS) or inductively coupled plasma emission spectrometry (ICP-ES), after separation of the lead matrix**

This European Prestandard specifies methods using flame atomic absorption spectrometry (FAAS) and inductively coupled plasma emission spectrometry (ICP-ES) for the determination of elements at low content in lead for the ranges given in Table 1

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****CEN/TS 14938-2:2006**

Identne CEN/TS 14938-2:2006

**Copper and copper alloys - Determination of bismuth content - Part 2: FAAS method**

This European Technical Specification specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the bismuth content of copper and copper alloys in the form of unwrought, wrought and cast products. The method is applicable to products having bismuth mass fractions between 0,01 % and 0,25 %.

Keel en

Asendatud EVS-EN 14938-2:2010

**CEN/TS 15023-3:2006**

Identne CEN/TS 15023-3:2006

**Copper and copper alloys - Determination of nickel content - Part 3: Flame atomic absorption spectrometry method (FAAS)**

This European Technical Specification specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the nickel content of copper and copper alloys in the form of unwrought, wrought and cast products.

Keel en

Asendatud EVS-EN 15023-3:2010

**CEN/TS 15025:2006**

Identne CEN/TS 15025:2006

**Copper and copper alloys - Determination of magnesium content - Flame atomic absorption spectrometry method (FAAS)**

This European Technical Specification specifies a flame atomic absorption spectrometric method (FAAS) for the determination of magnesium content of copper and copper alloys in the form of unwrought, wrought and cast products.

Keel en

Asendatud EVS-EN 15025:2010

**CEN/TS 15605:2007**

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

Asendatud EVS-EN 15605:2010

**EVS-EN 12373-4:2001**

Identne EN 12373-4:1998

**Aluminium and aluminium alloys - Anodizing - Part 4: Estimation of loss of absorptive power of anodic oxidation coatings after sealing by dye spot test with prior acid treatment**

This Part of this European Standard specifies a method of estimating the loss of absorptive power of anodic oxidation coatings that have undergone a sealing treatment, by dye absorption after acid pretreatment.

Keel en

Asendatud EVS-EN ISO 2143:2010

**EVS-EN 12373-5:2001**

Identne EN 12373-5:1998

**Aluminium and aluminium alloys - Anodizing - Part 5: Assessment of quality of sealed anodic oxidation coatings by measurement of admittance**

This part of this European Standard specifies a method for assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the admittance.

Keel en

Asendatud EVS-EN ISO 2931:2010

**EVS-EN 12373-6:2001**

Identne EN 12373-6:1998

**Aluminium and aluminium alloys - Anodizing - Part 6: Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution without prior acid treatment**

This Part of this European Standard specifies a method of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution without prior acid treatment.

Keel en

Asendatud EVS-EN ISO 3210:2010

**EVS-EN 12373-7:2002**

Identne EN 12373-7:2002

**Aluminium and aluminium alloys - Anodizing - Part 7: Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution with prior acid treatment**

This European Standard specifies a method of assessing the quality of sealed anodic oxidation coatings on aluminium and its alloys by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution with prior acid treatment. A related standard (EN 12373-61)) describes the same method used without prior acid treatment

Keel en

Asendab EVS-EN 12373-7:2001

Asendatud EVS-EN ISO 3210:2010

**EVS-EN 12373-8:2001**

Identne EN 12373-8:1998

**Aluminium and aluminum alloys - Anodizing - Part 8: Determination of the comparative fastness to ultra-violet light and heat of coloured anodic oxidation coatings**

This Part of this European standard specifies a comparative method for the determination of the fastness of coloured anodic oxidation coatings to ultra-violet light and heat.

Keel en

Asendatud EVS-EN ISO 6581:2010

**EVS-EN 12373-14:2001**

Identne EN 12373-14:2000

**Aluminium and aluminium alloys - Anodizing - Part 14: Visual determination of image clarity of anodic oxidation coatings - Chart scale method**

This part of this European Standard specifies a visual method for determining the image clarity of anodic oxidation coatings on aluminium and aluminium alloys using a chart scale and a lightness scale, which are defined. The method can be applied only to flat surfaces which can reflect the image of the chart scale pattern.

Keel en

Asendatud EVS-EN ISO 10215:2010

**EVS-EN 12373-16:2002**

Identne EN 12373-16:2001

**Aluminium and aluminium alloys - Anodizing - Part 16: Check for continuity of thin anodic oxidation coatings - Copper sulfate test**

This Part of this European Standard specifies a method of checking the continuity of thin anodic oxidation coatings on aluminium and its alloys by a copper sulfate contact test.

Keel en

Asendatud EVS-EN ISO 2085:2010

**EVS-EN 12373-17:2002**

Identne EN 12373-17:2001

**Aluminium and aluminium alloys - Anodizing - Part 17: Determination of electric breakdown potential**

This Part of this European Standard specifies a method of test for the determination of the electrical breakdown potential of anodic oxidation coatings on aluminium and its alloys on flat or near-flat surfaces and on round wire.

Keel en

Asendatud EVS-EN ISO 2376:2010

**EVS-EN 12373-18:2002**

Identne EN 12373-18:2001

**Aluminium and aluminium alloys - Anodizing - Part 18: Rating system for the evaluation of pitting corrosion - Chart method**

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

Keel en

Asendatud EVS-EN ISO 8993:2010

**EVS-EN 12373-1:2002**

Identne EN 12373-1:2001

**Aluminium and aluminium alloys - Anodizing - Part 1: Method for specifying decorative and protective anodic oxidation coatings on aluminium**

This part of this European Standard describes a method for specifying decorative and protective anodic oxidation coatings on aluminium.

Keel en

Asendatud EVS-EN ISO 7599:2010

#### **EVS-EN ISO 4498:2007**

Identne EN ISO 4498:2007

ja identne ISO 4498:2005

#### **Metallkeraamilised materjalid, välja arvatud kõvasulamid. Näivkõvaduse määramine. Osa 1: Materjalid, mille kõvadus ristlõike ulatuses on põhiliselt ühtlane**

See ISO 4498 standardi osa määrab kindlaks meetodi metallkeraamiliste materjalide kõvaduse teimimiseks.

Standard hõlmab: a) kuumtöötlemata paagutatud materjale; b) paagutatud materjale, mis on selliselt töödeldud, et nende kõvadus on vähemalt 5 mm pealispinnast allpool põhiliselt ühtlane

Keel en

Asendab EVS-EN 24498-1:2000

Asendatud EVS-EN ISO 4498:2010

#### **EVS-EN ISO 11130:2000**

Identne EN ISO 11130:1999

ja identne ISO 11130:1999

#### **Corrosion of metals and alloys - Alternate immersion test in salt solution**

The purpose of this standard is to define a method to assess the corrosion resistance of metals by an alternate immersion test in salt solution, with or without applied stress.

Keel en

Asendatud EVS-EN ISO 11130:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **FprEN 1965-1**

Identne FprEN 1965-1:2010

Tähtaeg 29.11.2010

#### **Monteerimisliimid - Korrosioon - Osa 1: Vaskaluspinna korrosiooni määramine ja klassifitseerimine**

This European Standard describes a method to determine the ability of a liquid adhesive to corrode a copper substrate under heat ageing conditions.

Temperatures and ageing periods are chosen to ensure the maximum differentiation between the corrosivity of different adhesives and are not intended to represent any particular service condition.

Keel en

Asendab EVS-EN 1965-1:2001

#### **FprEN 1965-2**

Identne FprEN 1965-2:2010

Tähtaeg 29.11.2010

#### **Monteerimisliimid - Korrosioon - Osa 2: Messingaluspinna korrosiooni määramine ja klassifitseerimine**

This European Standard describes a method to determine the ability of an adhesive to corrode a brass substrate under the influence of an applied voltage and high humidity. The temperature, humidity, ageing period and applied voltage are chosen to ensure the maximum differentiation between the corrosivity of different adhesives and are not intended to represent any particular service condition.

Keel en

Asendab EVS-EN 1965-2:2001

#### **FprEN ISO 3927**

Identne FprEN ISO 3927:2010

ja identne ISO/FDIS 3927:2010

Tähtaeg 29.11.2010

#### **Metallic powders, excluding powders for hardmetals - Determination of compressibility in uniaxial compression**

This International Standard specifies methods for measuring the extent to which a metallic powder is compacted when subjected to uniaxial compressive loading in a confining die under specified conditions. The method is not applicable to powders for hardmetals.

Keel en

Asendab EVS-EN ISO 3927:2002

#### **prEN 12258-1**

Identne prEN 12258-1:2010

Tähtaeg 29.11.2010

#### **Alumiinium ja alumiiniumsulamid. Tingimused ja määratlused. Osa 1: Üldterminid**

This European Standard defines general terms which are helpful for the communication within the aluminium industry and its customers relating to products of aluminium and aluminium alloys. It includes terms dealing with aluminium products, processing, sampling and testing, product characteristics and different types of visual quality characteristics. It does not include terms dealing with bauxite mining, alumina and anode production and aluminium smelting. This European Standard tries to be as close as possible to terms and definitions as used in other standards or documents. This European Standard tries to follow the "common language" as used in native English speaking countries, without giving preference to specific idioms of one of these countries. In cases where in different English-speaking countries different terms are used for the same concept or different concepts refer to an identical term, it gives the appropriate explanations.

Keel en,de,fr

Asendab EVS-EN 12258-1:1999

## **79 PUIDUTEHNOLOOGIA**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TS 14464:2010**

Hind 92,00

Identne CEN/TS 14464:2010

#### **Sawn timber - Method for assessment of case-hardening**

This Technical Specification defines a destructive method of assessing the case-hardening of a piece of sawn timber with reference to the distortion measured in a slice taken from the piece. This Technical Specification is applicable to sawn timber and timber which has been planed or surfaced by other means. It applies to both hardwood and softwood with a thickness not greater than 100 mm.

Keel en

## **EVS-EN 408:2010**

Hind 219,00

Identne EN 408:2010

### **Puitkonstruktsioonid. Ehituspuit ja liimpuit. Mõnede füüsikaliste ja mehaaniliste omaduste määramine**

This European Standard specifies test methods for determining the following properties of structural timber and glued laminated timber: modulus of elasticity in bending; shear modulus; bending strength; modulus of elasticity in tension parallel to the grain; tension strength parallel to the grain; modulus of elasticity in compression parallel to the grain; compression strength parallel to the grain; modulus of elasticity in tension perpendicular to the grain; tension strength perpendicular to the grain; modulus of elasticity in compression perpendicular to the grain; compression strength perpendicular to the grain and shear strength. In addition, the determination of dimensions, moisture content, and density of test pieces are specified. The methods apply to rectangular and circular shapes (of substantially constant cross section) of solid unjointed timber or finger-jointed timber and glued laminated timber unless stated otherwise.

Keel en

Asendab EVS-EN 408:2005

## **EVS-EN 1533:2010**

Hind 135,00

Identne EN 1533:2010

### **Wood flooring - Determination of bending strength under static load - Test methods**

This European Standard specifies methods of determining the bending strength of wood flooring under static load: a method with a static line load and a method with a static point load. The methods apply to wood flooring installed on a non-continuous support and thus assuming static load-bearing conditions.

Keel en

Asendab EVS-EN 1533:2000

## **EVS-EN 12490:2010**

Hind 135,00

Identne EN 12490:2010

### **Durability of wood and wood-based products - Preservative-treated solid wood - Determination of the penetration and retention of creosote in treated wood**

This European Standard specifies the reference methods for determining the penetration and retention of creosote in timber freshly treated with creosote, principally in order to ascertain whether the treated timber conforms to specifications written in terms of EN 351-1. It also provides guidance on the acquisition of test samples and their handling between sampling and analysis.

Keel en

Asendab EVS-EN 12490:2001

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS-EN 1533:2000**

Identne EN 1533:2000

#### **Puit- ja parkettpõrandakate. Paindeomaduste määramine. Katsemeetodid**

This European Standard specifies two methods for determining the bending properties of wood flooring (including parquet): a method with a static line load and a method with a static point load. The methods apply to wood flooring (including parquet) installed on a non-continuous support and thus assuming static load-bearing conditions.

Keel en

Asendatud EVS-EN 1533:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 320**

Identne FprEN 320:2010

Tähtaeg 29.11.2010

#### **Particleboards and fibreboards - Determination of resistance to axial withdrawal of screws**

This European Standard specifies a method for the determination of the resistance of fibreboards and particleboards to axial withdrawal of screws.

Keel en

Asendab EVS-EN 320:1999

### **prEN 13629**

Identne prEN 13629 rev:2010

Tähtaeg 29.11.2010

#### **Wood flooring - Solid individual and pre-assembled hardwood boards**

This document specifies the characteristics of individual hardwood boards and pre-assembled hardwood boards with grooves and/or tongues for internal use as flooring. This document covers solid individual and core-assembled hardwood boards with or without surface coating. This standard does not cover solid parquet elements. (See Annex C).

Keel en

Asendab EVS-EN 13629:2005

## **81 KLAASI- JA KERAAMIKA-TÖÖSTUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN/TS 843-9:2010**

Hind 114,00

Identne CEN/TS 843-9:2010

#### **Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 9: Method of test for edge-chip resistance**

This Technical Specification describes requirements and methods for undertaking tests to determine the resistance of the edges of brittle ceramic materials to be damaged by chipping or flaking. It is limited to homogeneous monolithic ceramics with flat surfaces and straight sharp or chamfered edges.

Keel en

**EVS-EN 843-7:2010**

Hind 114,00

Identne EN 843-7:2010

**Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 7: C-ring tests**

This European Standard describes a method for undertaking ultimate strength tests on slotted rings (C-rings) in order to determine the strength of ring or tube-shaped components in the manufactured geometry.

Keel en

**EVS-EN 843-8:2010**

Hind 114,00

Identne EN 843-8:2010

**Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 8: Guidelines for conducting proof tests**

This European Standard describes requirements and methods for proof testing of advanced technical ceramic components. It provides general guidance concerning the design of the test and the methodology for the selection of loading conditions.

Keel en

**EVS-EN 1007-7:2010**

Hind 178,00

Identne EN 1007-7:2010

**Advanced technical ceramics - Ceramic composites. Methods of test for reinforcements - Part 7: Determination of the distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at high temperature**

This European standard specifies the conditions, apparatus and procedure for determining the distribution of tensile strength and tensile strain to failure of ceramic filaments in multifilament tows at high temperature in air, vacuum or a controlled inert atmosphere. This part of EN 1007 applies to tows of continuous ceramic filaments, which are assumed to act freely and independently under loading and behave linearly elastic up to failure. Two methods are proposed depending on the temperature of the ends of the tow: a) hot end method; NOTE 1 The application of the hot end method is restricted by ceramic glues with sufficient shear strengths at the test temperature. Current experience with this technique is limited to 1 300 °C, because of the maximum application temperature of ceramic glues. b) cold end method. NOTE 2 The cold-end method is limited to 1 700 °C in air and 2 000 °C in inert atmosphere because of the limits of furnaces. Both methods allow for a failure rate in the determination of distribution of tensile strain and tensile strength.

Keel en

Asendab CEN/TS 1007-7:2006

**EVS-EN 14425-3:2010**

Hind 124,00

Identne EN 14425-3:2010

**Advanced technical ceramics Test methods for determination of fracture toughness of monolithic ceramics Part 3: Chevron notched beam (CNB) method**

This European Standard provides a test method for fracture toughness determination based on the chevron-notch method. For the purposes of this European Standard, the term monolithic includes particle and whisker reinforced advanced technical ceramics which can be regarded as macroscopically homogeneous. It does not include long-fibre reinforced ceramics.

Keel en

Asendab CEN/TS 14425-3:2003

**EVS-EN 15365:2010**

Hind 145,00

Identne EN 15365:2010

**Advanced technical ceramics - Mechanical properties of ceramic fibres at high temperature in a non-reactive environment - Determination of creep behaviour by the cold end method**

This European Standard 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 European Standard applies to continuous ceramic filaments taken from tows, yarns, braids and knittings, which have strains to fracture less than or equal to 5 %.

Keel en

Asendab CEN/TS 15365:2006

**EVS-ENV 12923-2:2010**

Hind 145,00

Identne ENV 12923-2:2001

**Advanced Technical Ceramics - Monolithic ceramics - Part 2: Oxidation test**

This Part of ENV 12923 describes a simple oxidation test for advanced technical ceramics. The test is designed to give an assessment of the mass and dimensional changes of test pieces following oxidation at high temperature in an oxidizing atmosphere, and to assess whether oxidation has a significant effect on the subsequent strength, either at room temperature or at elevated temperatures.

Keel en

**EVS-ENV 14226:2010**

Hind 114,00

Identne ENV 14226:2002

**Advanced technical ceramics - Test methods for ceramic powders - Determination of calcium, magnesium, iron and aluminium in silicon nitride by using flame atomic absorption spectroscopy (FAAS) or inductively coupled plasma atomic emission spectroscopy (ICP-AES)**

This European Prestandard specifies methods for the determination of calcium, magnesium, iron, and aluminium, using flame atomic absorption spectroscopy (FAAS), or inductively coupled plasma atomic emission spectroscopy (ICP-AES). The methods are applicable to the concentration ranges given in clause 3.

Keel en

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **CEN/TS 1007-7:2006**

Identne CEN/TS 1007-7:2006

**Advanced technical ceramics - Ceramic composites. Methods of test for reinforcements - Part 7: Determination of the distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at high temperature**

This Technical Specification specifies the conditions, apparatus and procedure for determining the distribution of tensile strength and tensile strain to failure of ceramic filaments in multifilament tows at high temperature in air, vacuum or a controlled inert atmosphere.

Keel en

Asendatud EVS-EN 1007-7:2010

### **CEN/TS 14425-3:2003**

Identne CEN/TS 14425-3:2003

**Advanced technical ceramics Test methods for determination of fracture toughness of monolithic ceramics Part 3: Chevron notched beam (CNB) method**

This part of CEN/TS 14425 provides a test method for fracture toughness determination based on the chevron-notch method. For the purposes of this standard, the term monolithic includes particle and whisker reinforced advanced technical ceramics which can be regarded as macroscopically homogeneous. It does not include long-fibre reinforced ceramics

Keel en

Asendatud EVS-EN 14425-3:2010

### **CEN/TS 15365:2006**

Identne CEN/TS 15365:2006

**Advanced technical ceramics - Mechanical properties of ceramic fibres at high temperature in a non-reactive environment - Determination of creep behaviour by the cold 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.

Keel en

Asendatud EVS-EN 15365:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **prEN ISO 14719**

Identne prEN ISO 14719:2010

ja identne ISO/DIS 14719:2010

Tähtaeg 29.11.2010

**Chemical analysis of refractory material glass and glazes - Determination of Fe<sup>2+</sup> and Fe<sup>3+</sup> by the spectral photometric method with 1-10 phenantroline**

This standard specifies a method for the quantitative determination of Fe<sup>2+</sup> and Fe<sup>3+</sup> in oxidic raw and basic materials for ceramics, glass and glazes, e. g. feldspar, kaolinites, clay, limestone, quartz refractory materials. This standard could be extended to other aluminosilicate materials, providing uncertainty data is produced to support it, however, there may be problems in the decomposition of high purity alumina and chrome ore samples. The method is not suitable for reduced materials such as silicon carbide, graphite-magnesia etc.

Keel en

## **83 KUMMI- JA PLASTITÖÖSTUS**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **CEN/TR 15990:2010**

Hind 135,00

Identne CEN/TR 15990:2010

**Data Sheets - Footwear Tests Materials and Test Adhesives**

For research, development and quality certification purposes, some simply formulated 1- and 2-part "reference test adhesives" have been developed and, from the most important and most often applied, some materials have been selected as "reference test materials". This technical report offers for each of these reference test adhesives and reference test materials some information and specify some properties. CEN/TC 193/WG 5 takes care for a continuous updating of these data sheets.

Keel en

#### **EVS-EN 438-9:2010**

Hind 124,00

Identne EN 438-9:2010

**High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (usually called laminates) - Part 9: Classification and specifications for alternative core laminates**

This European Standard specifies performance requirements for high-pressure decorative laminates (HPL) intended for interior use, the core compositions of which are not covered by EN 438-3 [1] to EN 438-6 [4] and EN 438-8 [5]. The core composition types (coloured core and metal reinforced core) are defined in this part of EN 438. EN 438-2 specifies the test methods relevant to this part of EN 438.

Keel en

#### **EVS-EN 13245-1:2010**

Hind 166,00

Identne EN 13245-1:2010

**Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 1: Designation of PVC-U profiles**

This European Standard establishes a system of designation for profiles made of unplasticized poly(vinyl chloride) (PVC-U) intended to be used for building applications. This part is applicable to light coloured and coloured PVC-U profiles, obtained by a mono-extrusion or a co-extrusion process, with or without a laminated foil or with a lacquered-coating. It specifies test methods and test parameters. This method of designation is intended to be used in product specification when the application is specified. NOTE It is recommended to use this method for the designation of PVC-U profiles for information related to technical literature of the manufacturer, not for the marking of the products. Profiles for the management of electrical power cables, communication cables and power track systems used for the distribution of electrical power, profiles for windows or doors and profiles for guttering are not covered by this European Standard.1)

Keel en

Asendab EVS-EN 13245-1:2004



**EVS-EN 13245-3:2010**

Hind 178,00

Identne EN 13245-3:2010

**Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 3: Designation of PVC-UE profiles**

This European Standard establishes a system of designation for profiles made of cellular unplasticized poly(vinyl chloride) (PVC-UE) intended to be used for building applications. This part is applicable to light coloured and coloured mono-extruded PVC-UE profiles, co-extruded profiles consisting of a core made of PVC-UE and a skin layer of non-cellular unplasticized poly(vinyl chloride) (PVC-U), and PVC-UE profiles with laminated foil or lacquered-coating. It specifies test methods and test parameters. This method of designation is intended to be used in product specification when the application is specified. NOTE It is recommended to use this method for the designation of PVC-UE profiles for information related to technical literature of the manufacturer, not for the marking of the products. Profiles for the management of electrical power cables, communication cables and power tracksystems used for the distribution of electrical power, profiles for windows or doors and profiles for guttering are not covered by this European Standard.1)

Keel en

**EVS-EN 15836-2:2010**

Hind 155,00

Identne EN 15836-2:2010

**Plastics - Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools - Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm**

This European Standard specifies the visual, dimensional, mechanical and durability characteristics of reinforced membranes made of plasticized poly(vinyl chloride) (PVC-P) sheets assembled together a polyester reinforcement, whose nominal thickness is greater than or equal to 1,5 mm, intended to be used to contribute to the leaktightness of inground swimming pools, implemented in situ. It also specifies the characteristics of the composition of the PVC-P used to produce the membranes. It applies specifically to reinforced membranes intended for use in swimming pools where the water temperature is less than or equal to 32 °C. If the membrane manufacturer permits a temperature of water continuously maintained above 32 °C, this document also applies.

Keel en

**EVS-EN 15275:2007/AC:2010**

Hind 0,00

Identne EN 15275:2007/AC:2010

**Ehitusliimid. Hoonetes ja rajatistes kasutatavate koaksiaalsete metall-liidete anaeroobsete liimide spetsifikatsioon**

Keel en

**EVS-EN 15836-1:2010**

Hind 145,00

Identne EN 15836-1:2010

**Plastics - Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools - Part 1: Homogenous membranes of nominal thickness equal to or greater than 0,75 mm**

This European Standard specifies the visual, dimensional, mechanical and durability characteristics of plasticized poly(vinyl chloride) (PVC-P) homogenous membranes of nominal thickness greater than or equal to 0,75 mm for use as liners for inground swimming pools. It also specifies the characteristics of the composition of the PVC-P used to produce the membranes. It applies specifically to homogenous membranes intended for use in swimming pools where the water temperature is less than or equal to 28 °C. If the membrane manufacturer permits a temperature of water continuously maintained above 28 °C, this document also applies.

Keel en

**EVS-EN 15860:2010**

Hind 243,00

Identne EN 15860:2010

**Plastics - Thermoplastic semi-finished products for machining - Requirements and test methods**

This European Standard specifies the requirements and associated test methods that apply to semi-finished products such as rods, hollow bars and plates made from thermoplastic materials. These semi-finished products are used predominantly for the manufacture of finished parts by means of machining.

Keel en

**EVS-EN ISO 179-1:2010**

Hind 178,00

Identne EN ISO 179-1:2010

ja identne ISO 179-1:2010

**Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test**

1.1 This part of ISO 179 specifies a method for determining the Charpy impact strength of plastics under defined conditions. A number of different types of specimen and test configurations are defined. Different test parameters are specified according to the type of material, the type of test specimen and the type of notch.

1.2 The method can be used to investigate the behaviour of specified types of specimen under the impact conditions defined and for estimating the brittleness or toughness of specimens within the limitations inherent in the test conditions. It can also be used for the determination of comparative data from similar types of material. 1.3 The method has a greater range of applicability than that given in ISO 180[1] and is more suitable for the testing of materials showing interlaminar shear fracture or of materials exhibiting surface effects due to environmental factors. 1.4 The method is suitable for use with the following range of materials: - rigid thermoplastic moulding and extrusion materials (including filled and reinforced compounds in addition to unfilled types) and rigid thermoplastics sheets; - rigid thermosetting moulding materials (including filled and reinforced compounds) and rigid thermosetting sheets (including laminates); - fibre-reinforced thermosetting and thermoplastic composites incorporating unidirectional or multi-directional reinforcements (such as mats, woven fabrics, woven rovings, chopped strands, combination and hybrid reinforcements, rovings and milled fibres) or incorporating sheets made from pre-impregnated materials (prepregs), including filled and reinforced compounds; - thermotropic liquid-crystal polymers.

Keel en

Asendab EVS-EN ISO 179-1:2001; EVS-EN ISO 179-1:2001/A1:2005

**EVS-EN ISO 7231:2010**

Hind 124,00

Identne EN ISO 7231:2010

ja identne ISO 7231:2010

**Polymeric materials, cellular, flexible - Determination of air flow value at constant pressure-drop**

This International Standard specifies two methods for determining the air flow value of flexible cellular polymeric materials: - method A, for conventional types of flexible cellular polymeric material; - method B, for all types of flexible cellular polymeric material, but especially for materials with a low permeability to air.

Keel en

Asendab EVS-EN ISO 7231:2000

**EVS-ENV 302-5:2010**

Hind 105,00

Identne ENV 302-5:2001

**Adhesives for load-bearing timber structures - Test methods - Part 5: Determination of the conventional assembly time**

This European Prestandard specifies a laboratory method of determining the conventional assembly time for adhesives for load bearing timber structures under specified conditions. This test method is not intended for use with adhesive systems in which the components are separately and sequentially applied to the substrate. This prestandard is only intended for obtaining a reliable base of comparison between similar adhesives. The method gives results which cannot be applied to the safe manufacture of timber structures without modifications for the influences of timber density/absorbency, moisture content, factory temperature and relative air humidity.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 13245-1:2004**

Identne EN 13245-1:2004

**Plastikud. Ehituslikud plastifitseerimata polüvinüülkloriidist (PVC-U) profiilid. Osa 1: Heledate värvitud profiilide tähistus**

This part of EN 13245 specifies a method for the designation of light coloured profiles made of unplasticized poly(vinyl chloride) (PVC-U) intended to be used for building applications and gives the relevant test methods. It is intended to be used in product specification when application is specified. Pipes for the distribution of water, of gas or other fluids, as well as discharge and sewage pipes, profiles for the management of electrical power cables, communication cables and power track systems used for the distribution of electrical power, profiles for windows or doors and profiles made from expanded PVC are not covered by this European Standard.

Keel en

Asendatud EVS-EN 13245-1:2010

**EVS-EN ISO 179-1:2001**

Identne EN ISO 179-1:2000

ja identne ISO 179-1:2000

**Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test**

Käesolev standard määrab kindlaks meetodi plastide Charpy löögisitkuse määramiseks kindlaksmääratud tingimustes. Kindlaks on määratud ka proovikehade mitu eri tüüpi ja katsetuskuju.

Keel en

Asendab EVS-EN ISO 179:1999

Asendatud EVS-EN ISO 179-1:2010

**EVS-EN ISO 179-1:2001/A1:2005**

Identne EN ISO 179-1:2000/A1:2005

ja identne ISO 179-1:2000/A1:2005

**Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test - Amendment 1**

Käesolev standard määrab kindlaks meetodi plastide Charpy löögisitkuse määramiseks kindlaksmääratud tingimustes. Kindlaks on määratud ka proovikehade mitu eri tüüpi ja katsetuskuju.

Keel en

Asendatud EVS-EN ISO 179-1:2010

## **EVS-EN ISO 7231:2000**

Identne EN ISO 7231:1997

ja identne ISO 7231:1984

### **Elastsed poorsed polümeermaterjalid. Meetod õhuvoogu iseloomustava arvvaartuse hindamiseks konstantse survejanguse korral**

Standard määrab kindlaks meetodi poorseid polümeermaterjale läbivat õhuvoogu iseloomustava arvvaartuse määramiseks. Õhuvoogu iseloomustavat arvvaartust saab kasutada erineva poorse struktuuriga toodete omaduste ja koostise iseloomustamiseks.

Keel en

Asendatud EVS-EN ISO 7231:2010

## **KAVANDITE ARVAMUSKÜSITLUS**

### **FprEN 1238**

Identne FprEN 1238:2010

Tähtaeg 29.11.2010

#### **Adhesives - Determination of the softening point of thermoplastic adhesives (ring and ball)**

This European Standard specifies a method for the determination of the softening point of hot-melt adhesives.

Keel en

Asendab EVS-EN 1238:2001

### **FprEN 1239**

Identne FprEN 1239:2010

Tähtaeg 29.11.2010

#### **Liimid. Püsivus külmutamisel-sulatamisel**

This European Standard specifies a method for the evaluation of the freeze-thaw stability of adhesives, their basic constituents and related products. This test has no significance if the sample does not freeze under the test conditions.

Keel en

Asendab EVS-EN 1239:2000

### **FprEN 1240**

Identne FprEN 1240:2010

Tähtaeg 29.11.2010

#### **Liimid. Hüdroksüülarvu ja/või hüdroksüülrühma sisalduse määramine**

This European Standard specifies a method to determine the hydroxyl value and/or the hydroxyl content of adhesives, adhesive components, their basic constituents and related products. This method can also be used to determine the hydroxyl value and/or the hydroxyl content of surface protection systems of concrete.

Keel en

Asendab EVS-EN 1240:2000

### **FprEN 1243**

Identne FprEN 1243:2010

Tähtaeg 29.11.2010

#### **Liimid. Vaba formaldehüüdi määramine amino- ja amidoformaldehüüdkondensaatides**

This European Standard specifies a method for the determination of the free formaldehyde content in amino and amido-formaldehyde condensate adhesives.

Keel en

Asendab EVS-EN 1243:2000

## **FprEN 1245**

Identne FprEN 1245:2010

Tähtaeg 29.11.2010

### **Adhesives - Determination of pH**

This European Standard specifies a method for the determination by electrometry of the pH of adhesives, their basic constituents and related products using a pH meter equipped with a glass and silver reference combined electrode. This standard is applicable to products supplied in an aqueous medium, and of known concentration, and to products which can be dissolved, dispersed or suspended in water. It is not applicable to adhesives that react with water.

Keel en

Asendab EVS-EN 1245:2001

### **FprEN 1965-1**

Identne FprEN 1965-1:2010

Tähtaeg 29.11.2010

#### **Monteerimisliimid - Korrosioon - Osa 1: Vaskaluspinna korrosiooni määramine ja klassifitseerimine**

This European Standard describes a method to determine the ability of a liquid adhesive to corrode a copper substrate under heat ageing conditions. Temperatures and ageing periods are chosen to ensure the maximum differentiation between the corrosivity of different adhesives and are not intended to represent any particular service condition.

Keel en

Asendab EVS-EN 1965-1:2001

### **FprEN 1965-2**

Identne FprEN 1965-2:2010

Tähtaeg 29.11.2010

#### **Monteerimisliimid - Korrosioon - Osa 2: Messingaluspinna korrosiooni määramine ja klassifitseerimine**

This European Standard describes a method to determine the ability of an adhesive to corrode a brass substrate under the influence of an applied voltage and high humidity. The temperature, humidity, ageing period and applied voltage are chosen to ensure the maximum differentiation between the corrosivity of different adhesives and are not intended to represent any particular service condition.

Keel en

Asendab EVS-EN 1965-2:2001

### **FprEN 12705**

Identne FprEN 12705:2010

Tähtaeg 29.11.2010

#### **Adhesives for leather and footwear materials - Determination of colour change of white or bright coloured leather surfaces by migration**

This European Standard specifies a method to determine the colour change of white or bright coloured leather surfaces caused by adhesives and/or their basic constituents migrating from the reverse sides to their upper surfaces. This change of colour may be caused either by the adhesive directly or by adhesive coatings on materials used in footwear manufacture, e.g. adhesive coated linings for ironing, toe-puffs, reinforcing tapes or bonded materials.

Keel en

Asendab EVS-EN 12705:2000

**FprEN 12962**

Identne FprEN 12962:2010

Tähtaeg 29.11.2010

**Adhesives - Determination of elastic behaviour of liquid adhesives (elasticity index)**

This European Standard specifies a test method to determine the elastic behaviour of and elastomeric monocomponent liquid adhesive under specified conditions. This method is particularly suitable for production control.

Keel en

Asendab EVS-EN 12962:2001

**FprEN 14869-1**

Identne FprEN 14869-1:2010

ja identne ISO 11003-1:2001

Tähtaeg 29.11.2010

**Structural adhesives - Determination of shear behaviour of structural bonds - Part 1: Torsion test method using butt-bonded hollow cylinders**

This European Standard specifies a shear test for the characterization of adhesives in a bond. The shear stress/strain properties of the adhesive (including the shear modulus) are useful for advanced design work, e.g. in finite element analysis methods.

Keel en

Asendab EVS-EN 14869-1:2004

**FprEN 14869-2**

Identne FprEN 14869-2:2010

ja identne ISO 11003-2:2001

Tähtaeg 29.11.2010

**Structural adhesives - Determination of shear behaviour of structural bonds - Part 2: Thick adherends shear test**

This European Standard specifies a test method for determining the shear behaviour of an adhesive in a single lap joint bonded assembly when subjected to a tensile force. The test is performed on specimens consisting of thick, rigid adherends, with a short length of overlap, in order to obtain the most uniform distribution of shear stresses possible and to minimize other stress states which initiate failure. This test method may be used to determine: - the shear-stress against shear-strain curve to failure of the adhesive; - the shear modulus of the adhesive; - other adhesive properties that can be derived from the stress/strain curve such as the maximum shear stress and shear strain; - the effect of temperature, environment, test speed, etc. on these properties.

Keel en

Asendab EVS-EN 14869-2:2004

**prEN 828**

Identne prEN 828 rev:2010

Tähtaeg 29.11.2010

**Liimid. Märgavus. Tahke aluspinna kontaktnurga mõõtmine ja kriitilise pindpinevuse määramine**

This European Standard specifies a method for the determination of the surface free energy of a solid surface by measuring the contact angle of a liquid wetting the solid surface. It allows the prediction of the ability of a particular adhesive to wet a particular adherend. It can be used to characterize surfaces intended for pre-treatment, coating or bonding.

Keel en

Asendab EVS-EN 828:2000

**prEN 16153**

Identne prEN 16153:2010

Tähtaeg 29.11.2010

**Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external roofs, walls and ceilings - Requirements and test methods**

This European Standard specifies the requirements for light transmitting flat multiwall polycarbonate (PC) sheets for internal and external use in walls, roofs and ceilings. This European standard applies to light transmitting flat extruded multiwall PC sheets with or without functional layers (e.g. coating, co-extruded layer) made from PC-based or other materials. It also specifies the test methods needed for the evaluation of conformity and marking of the sheets.

Keel en

**85 PABERITEHNOLOOGIA****UUED STANDARDID JA PUBLIKATSIOONID****EVS-EN 1010-2:2006+A1:2010**

Hind 271,00

Identne EN 1010-2:2006+A1:2010

**Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimisseadmed KONSOLIDEERITUD TEKST**

This document applies to: - Pre-press machinery (machinery and devices for the production of master copies and printing forms); - exposure equipment for the production of films and printing forms; - equipment for developing films and printing forms; - washing machines for printing forms; - machines for bending printing forms; - punching machines for film and printing forms; - cutting machines for film and printing forms; - machines for the production of gravure printing forms; - scanners. - Printing and varnishing machines: - proofing presses; - sheet-fed printing presses and varnishing machines including digital printing presses; - web-fed rotary presses and varnishing machines including digital printing presses; - screen printing presses. - Auxiliary devices: - cylinder and roller washing devices; - continuous flow drying devices; - powder spraying devices; - auxiliary devices on inking and damping units; - automatic plate clamping devices; - washing equipment for printing forms, rollers and scrapers; - pile turners; - measuring and control devices.

Keel en

Asendab EVS-EN 1010-2:2006

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS-EN 1010-2:2006**

Identne EN 1010-2:2006

**Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimisseadmed**

This document applies to:- Pre-press machinery (machinery and devices for the production of master copies and printing forms):- exposure equipment for the production of films and printing forms;- equipment for developing films and printing forms;- washing machines for printing forms;- machines for bending printing forms;- punching machines for film and printing forms;- cutting machines for film and printing forms;- machines for the production of gravure printing forms;- scanners.

Keel en

Asendatud EVS-EN 1010-2:2006+A1:2010

## **87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS**

### UUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 12581:2006+A1:2010**

Hind 271,00

Identne EN 12581:2005+A1:2010

**Pindamisseadmed. Sukel- ja elektrofoor-pindamismasinad orgaaniliste vedelike pindamismaterjalide kasutamiseks. Ohutusnõuded KONSOLIDEERITUD TEKST**

This European Standard applies to the design and construction of machinery for dip coating and electrodeposition of organic liquid coating material to industrial items. This machinery consists of the following equipment: - Transport system including hoists; - Dip tank and safety tank; - forced ventilation system; - ancillary equipment such as pumps, filters, heaters. This European Standard deals with the significant hazards, hazardous situations and events relevant to dip and electrophoretic coating machinery when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4). In addition, the equipment marking and minimum use requirements are specified.

Keel en

Asendab EVS-EN 12581:2006

#### **EVS-EN 12757-1:2005+A1:2010**

Hind 198,00

Identne EN 12757-1:2005+A1:2010

**Kattematerjalide segamise masinad. Ohutusnõuded. Osa 1: Sõidukites kasutatavad segamismasinad KONSOLIDEERITUD TEKST**

This European Standard applies to the design and construction of mixing machinery for liquid coating materials equipped with container of maximal volume ≤ 10 l used by vehicle refinishers and their coating materials distributors. The pressure related parts of the machines covered are classified as no higher than category I under article 9 of the Pressure Equipment Directive 97/23/EC.

Keel en

Asendab EVS-EN 12757-1:2005

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS-EN 12581:2006**

Identne EN 12581:2005

**Pindamisseadmed. Sukel- ja elektrofoor-pindamismasinad orgaaniliste vedelike pindamismaterjalide kasutamiseks. Ohutusnõuded**

This European Standard applies to the design and construction of machinery for dip coating and electrodeposition of organic liquid coating material to industrial items.

Keel en

Asendatud EVS-EN 12581:2006+A1:2010

#### **EVS-EN 12757-1:2005**

Identne EN 12757-1:2005

**Kattematerjalide segamise masinad. Ohutusnõuded. Osa 1: Sõidukites kasutatavad segamismasinad**

This European Standard applies to the design and construction of mixing machinery for liquid coating materials equipped with container of maximal volume ≤ 10 l used by vehicle refinishers and their coating materials distributors.

Keel en

Asendatud EVS-EN 12757-1:2005+A1:2010

### KAVANDITE ARVAMUSKÜSITLUS

#### **FprEN ISO 19334**

Identne FprEN ISO 19334:2010

ja identne ISO 19334:2010

Tähtaeg 29.11.2010

**Binders for paints and varnishes - Gum rosin - Gas-chromatographic analysis**

This International Standard specifies a gas-chromatographic method for determining the amounts of certain rosin acids in gum rosin using capillary gas-chromatographic separation of the volatile methyl esters of these acids. It is intended primarily to permit the identification of gum rosin from specific species of pine trees. It is not designed for the quantitative analysis of gum rosin. If such analyses are required, the internal-standard technique specified in ASTM D 5974 should be used.

Keel en

#### **prEN ISO 2812-3**

Identne prEN ISO 2812-3:2010

ja identne ISO/DIS 2812-3:2010

Tähtaeg 29.11.2010

**Värvid ja lakid. Vedelikukindluse määramine. Osa 3: Absorbeerival materjalil põhinev meetod**

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

Keel en

Asendab EVS-EN ISO 2812-3:2007

#### **prEN ISO 9117-4**

Identne prEN ISO 9117-4:2010

Tähtaeg 29.11.2010

#### **Paints and varnishes - Drying tests - Part 4: Test using a mechanical recorder**

This Part of ISO 9117 specifies a test method for determining, at several stages, the rate of dry-film formation of organic coatings using straight line and circular mechanical drying-time recording devices. The use of mechanical recorders is valuable in comparing the drying behaviour of coatings of the same generic type, allowing that one coating may form a gel or resist tearing at a faster rate than another. The method is intended to simulate the conditions when painted articles are stacked upon each other.

Keel en

#### **prEN ISO 9117-5**

Identne prEN ISO 9117-5:2010

Tähtaeg 29.11.2010

#### **Paints and varnishes - Drying tests - Part 5: Modified Bandow-Wolff test**

This standard specifies a test method for determining the drying stage of coatings and coating systems. Furthermore, it allows the evaluation of the drying speed. The determination of drying stages 4 to 7 according to this standard in the case of plastic coatings is only possible with restrictions, as the plastic-elastic behaviour of these coatings cannot be evaluated on the basis of the visible temporary change of the coating surface.

Keel en

## **91 EHTUSMATERJALID JA EHTUS**

### **UUED STANDARDID JA PUBLIKATSIOONID**

#### **CEN ISO/TS 21003-7:2008/A1:2010**

Hind 68,00

Identne CEN ISO/TS 21003-7:2008/A1:2010

#### **Multilayer piping systems for hot and cold water installations inside buildings - Part 7: Guidance for the assessment of conformity - Amendment 1**

This Technical Specification is applicable, in conjunction with the other parts of ISO 21003 (see Foreword), to multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water — whether or not the water is intended for human consumption (domestic systems) or for heating systems — under specified design pressures and temperatures appropriate to the class of application (see Table 1 of ISO 21003-1:2008). It gives guidance for the assessment of conformity, to be included in the manufacturer's quality plan as part of the quality system. It includes: - requirements for materials, components, joints and assemblies given in the applicable part(s) of ISO 21003; - requirements for the manufacturer's quality system (e.g. ISO 9001 [2]); - definitions and procedures to be used if third-party certification is involved.

Keel en

#### **EVS-EN 13941:2009+A1:2010**

Hind 356,00

Identne EN 13941:2009+A1:2010

#### **Eelisoleeritud seotud kaugküttetorustike projekteerimine ja paigaldamine KONSOLIDEERITUD TEKST**

This European Standard specifies rules for design, calculation and installation for preinsulated bonded pipe systems for buried hot water distribution and transmission networks (cf. Figure 2) with pipe assemblies in accordance with EN 253, for continuous operation with hot water at various temperatures up to 120°C and occasionally with peak temperatures up to 140°C and maximum internal pressure 25 bar (overpressure).

Keel en

Asendab EVS-EN 13941:2009

#### **EVS 875-12:2010**

Hind 178,00

#### **Vara hindamine. Osa 12: Hindamine hüvitamise eesmärgil**

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 avaliku sektori vajadusi. Standard EVS 875-12 „Hindamine hüvitamise eesmärgil“ käsitleb vara hindamise erisusi, mis tavaliselt on seotud avalike huvide, kuid mitte ainult, teostamisega. Hüvitamise küsimus võib tõstatada seonduvalt sundvõõrandamise, kindlustuse kahjukäsitleste jms. juhtumitega. Käesolev standard keskendub küsimustele, mis on seotud avalike huvide teostamisega ja ei anna detailseid juhtnõude hüvitusväärtuse leidmiseks muid hindamise eesmarke silmas pidades.

Keel et

#### **EVS-EN 115-2:2010**

Hind 198,00

Identne EN 115-2:2010

#### **Eskalaatorite ja liikurteede ohutus. Osa 2: Nõuded olemasolevate eskalaatorite ja liikurteede ohutuse parandamiseks**

This European Standard gives rules for improving the safety of existing escalators and moving walks with the aim of reaching an equivalent level of safety to that of a newly installed escalator and moving walk by the application of today's state of the art for safety.

Keel en

**EVS-EN 408:2010**

Hind 219,00

Identne EN 408:2010

**Puitkonstruktsioonid. Ehituspuit ja liimpuit. Mõnede füüsikaliste ja mehaaniliste omaduste määramine**

This European Standard specifies test methods for determining the following properties of structural timber and glued laminated timber: modulus of elasticity in bending; shear modulus; bending strength; modulus of elasticity in tension parallel to the grain; tension strength parallel to the grain; modulus of elasticity in compression parallel to the grain; compression strength parallel to the grain; modulus of elasticity in tension perpendicular to the grain; tension strength perpendicular to the grain; modulus of elasticity in compression perpendicular to the grain; compression strength perpendicular to the grain and shear strength. In addition, the determination of dimensions, moisture content, and density of test pieces are specified. The methods apply to rectangular and circular shapes (of substantially constant cross section) of solid unjointed timber or finger-jointed timber and glued laminated timber unless stated otherwise.

Keel en

Asendab EVS-EN 408:2005

**EVS-EN 1991-1-4/A1:2010/NA:2010**

Hind 80,00

**Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-4: Tuulekoormus. Eesti standardi rahvuslik lisa**

Eesti standardi rahvuslik lisa, mis sisaldab Euroopa standardi EN 1991-1-4 rahvuslikult määratud parameetreid ja protseduure, mida tuleb kasutada Eestis ehitatavate hoonete ja rajatiste projekteerimisel.

Keel et

**EVS-EN 1991-1-4:2005/A1:2010+A1:2010/NA:2010**

Hind 105,00

Identne EN 1991-1-4:2005/A1:2010

ja identne EVS-EN 1991-1-4/A1:2010/NA:2010

**Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-4: Tuulekoormus**

Standard EN 1991-1-4 annab juhised loodusliku tuule mõju määramiseks hoonete ja rajatiste projekteerimisel iga käsitletava koormatud piirkonna jaoks. Käsitlus hõlmab ehitust tervikuna või ehitiste osi nagu konstruktsioonelemendid, välisvoodridetailid ja nende kinnitused, kaitsepiirid ja müraarjäärid.

Keel et

**EVS-EN ISO 8970:2010**

Hind 80,00

Identne EN ISO 8970:2010

ja identne ISO 8970:2010

**Puittarindid. Mehaaniliste kinnitusdetailidega liidete katsetamine. Puidu tihedusnõuded**

This International Standard specifies a method, based on density, for the selection of pieces of wood used in determining the strength and stiffness properties of connections made with mechanical fasteners. It is assumed the wood density is normally distributed and that any deviations are reported. This International Standard is applicable only to specimens of wood.

Keel en

Asendab EVS-EN 28970:2000

**EVS-EN 12158-1:2006+A1:2010**

Hind 271,00

Identne EN 12158-1:2000+A1:2010

**Ehituse kaubatõstukid. Osa 1: Ligipääsetavate platvormidega tõstukid KONSOLIDEERITUD TEKST**

This standard deals with power operated temporarily installed builders hoists (referred to as "hoists" in this standard) intended for use by persons who are permitted to enter sites of engineering and construction, serving landing levels, having a load carrying device: - designed for the transportation of goods only; - guided; - travelling vertically or along a path within 15 degrees max. of the vertical; - supported or sustained by drum driven wire rope, chain, rack and pinion, hydraulic jack (direct or indirect), or an expanding linkage mechanism; - where masts, when erected, may or may not require support from separate structures; - which permits the access of instructed persons during loading and unloading; - which are driven by appointed persons; - which permits, if necessary, during erection, dismantling, maintenance and inspection, the access and travel by persons who are competent and authorised.

Keel en

Asendab EVS-EN 12158-1:2006

**EVS-EN 12158-2:2001+A1:2010**

Hind 219,00

Identne EN 12158-2:2000+A1:2010

**Ehituse kaubatõstukid. Osa 2: Juurdepääsmatute kandeseadmetega kaldtõstukid KONSOLIDEERITUD TEKST**

This standard deals with power operated temporarily installed builders hoists intended for use by persons who are permitted to enter sites of engineering and construction, serving either one upper landing or a work area extending to the end of the guides, (e.g. a roof) having a load carrying device (lcd): - which is intended for the transportation of goods only; - where it is forbidden for persons to step upon it at any time; - which is guided; - which is designed to travel at an angle of at least 30 degrees to the vertical but may be used at any angle between the vertical and the maximum inclination as specified by the manufacturer; - which is sustained by steel wire rope and a positive drive system; - which is controlled by hold-to-run controls by the operator; - which does not benefit from the use of any counterweight; - which has a maximum rated load of 300 kg; - which has a maximum speed of 1,00 m/s; and where the guides require support from separate structures.

Keel en

Asendab EVS-EN 12158-2:2001

**EVS-EN 12311-2:2010**

Hind 105,00

Identne EN 12311-2:2010

**Flexible sheets for waterproofing - Determination of tensile properties - Part 2: Plastic and rubber sheets for roof waterproofing**

This European Standard specifies test methods for the determination of the tensile properties of plastic and rubber sheets for roof waterproofing.

Keel en

Asendab EVS-EN 12311-2:2001

**EVS-EN 12317-2:2010**

Hind 105,00

Identne EN 12317-2:2010

**Flexible sheets of waterproofing - Determination of shear resistance of joints - Part 2: Plastic and rubber sheets for roof waterproofing**

This European Standard specifies a method for determining the resistance to shearing of joints between two adjacent sheets of the same plastic or rubber sheets for roof waterproofing.

Keel en

Asendab EVS-EN 12317-2:2001

**EVS-EN 12350-8:2010**

Hind 105,00

Identne EN 12350-8:2010

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

This European Standard specifies the procedure for determining the slump-flow and t500 time for self-compacting concrete. The test is not suitable when the maximum size of the aggregate exceeds 40 mm.

Keel en

**EVS-EN 12350-9:2010**

Hind 92,00

Identne EN 12350-9:2010

**Testing fresh concrete - Part 9: Self-compacting concrete - V-funnel test**

This European Standard specifies the procedure for determining the V-funnel flow time for self-compacting concrete. The test is not suitable when the maximum size of the aggregate exceeds 22,4 mm.

Keel en

**EVS-EN 12350-10:2010**

Hind 105,00

Identne EN 12350-10:2010

**Testing fresh concrete - Part 10: Self-compacting concrete - L box test**

This European Standard specifies the procedure for determining the passing ability ratio for self-compacting concrete using the L box test.

Keel en

**EVS-EN 12350-11:2010**

Hind 105,00

Identne EN 12350-11:2010

**Testing fresh concrete - Part 11: Self-compacting concrete - Sieve segregation test**

This European Standard specifies the procedure for determining the sieve segregation resistance of self-compacting concrete.

Keel en

**EVS-EN 12350-12:2010**

Hind 105,00

Identne EN 12350-12:2010

**Testing fresh concrete - Part 12: Self-compacting concrete - J-ring test**

This European Standard specifies the procedure for determining the passing ability (measured by the blocking step), the flow spread and t500J flow time of self-compacting concrete as the concrete flows through the J-ring. The test is not suitable when the maximum size of aggregate exceeds 40 mm.

Keel en

**EVS-EN 13141-2:2010**

Hind 166,00

Identne EN 13141-2:2010

**Hoonete ventilatsioon – Elamute ventilatsiooniseadmete ja -komponentide katsetamine – Osa 2: Väljatõmbe ja sissepuhke lõppelemendid**

This European Standard specifies laboratory methods for testing exhaust and supply air terminal devices operating under pressure differences. It applies to devices used in mechanical and natural residential ventilation systems, of the following types: - device with a manually adjustable opening; or - device with a fixed opening; or - pressure difference controlled device. It describes tests intended to characterize: - flow rate/pressure; - air diffusion characteristics (for supply air terminal devices); - noise production for components of systems; - insertion loss of component of systems; - sound insulation.

Keel en

Asendab EVS-EN 13141-2:2004



**EVS-EN 13203-3:2010**

Hind 198,00

Identne EN 13203-3:2010

**Solar supported gas-fired domestic appliances producing hot water - Appliances not exceeding 70 kW heat input and 500 liters water storage capacity - Part 3: Assessment of energy consumption**

This European Standard is applicable to solar supported gas-fired appliances producing domestic hot water. It applies to a system marketed as single unit or a system fully specified by a manufacturer that: - has a gas heat input not exceeding 70 kW; and - has a hot water storage capacity not exceeding 500 l; and - is equipped with at least one solar collector; and - is, with regard to the solar hydraulic circuit, considered as a forced circulation system (definition according to EN ISO 9488:1999). The appliances covered by this European Standard are described in Annex C. This European Standard does not apply to thermo-siphon or integral collector storage systems (definitions according to EN ISO 9488:1999). NOTE In principle, the energy consumption of thermo-siphon solar preheat systems and integral collector storage preheat systems can also be assessed on the basis of this standard. One appropriate procedure for that purpose is to calculate the temperature level of the domestic hot water withdrawn from the thermal solar system for the reference conditions defined in this standard by using the numerical system model and the thermal solar system performance parameters according to ISO 9459-5. Based on the temperature level of the hot water withdrawn from the store the energy consumption of the gas appliance should be determined. This determination can either be done by means of calculations or by performing a test according to EN 13203-2 and using instead of the cold water inlet temperature the hot water temperature withdrawn from the store. This standard is not intended to assess the performance: - of the solar collector(s), which should comply with EN 12975-1 and EN 12975-2; and - thermal solar systems and components, which should comply with EN 12976-1 and EN 12976-2. This European Standard, EN 13203-3, sets out a method for assessing the energy performance of a solar supported appliance. It defines a number of daily tapping cycles for each domestic hot water use, kitchen, shower, bath and a combination of these, together with corresponding test procedures including information about the available solar radiation. It enables the energy performances of different gas-fired appliances to be compared and matched to the needs of the user.

Keel en

**EVS-EN 13309:2010**

Hind 229,00

Identne EN 13309:2010

**Ehitusmasinad. Sisemise elektrivarustusega masinate elektromagnetiline ühilduvus**

This European Standard provides test methods and acceptance criteria for the evaluation of the electromagnetic compatibility of construction machinery with respect to free trade of goods in the European Union. It deals with functional EMC requirements under typical EMC environmental conditions. This European Standard does not deal with safety requirements. Electrical and/or electronic component(s) or separate technical unit(s) intended to be fitted in construction machinery are also dealt with in this European Standard. The following electromagnetic disturbance phenomena are evaluated: - broadband and narrowband electromagnetic interference; - electromagnetic field immunity test; - broadband and narrowband interference of electrical/electronic sub-assemblies; - electromagnetic field immunity test of electrical/electronic sub-assemblies; - electrostatic discharge; - conducted transients. Construction machinery can have DC and/or AC internal electrical power supply systems. Machines that are designed to be supplied by the "Public Mains Network" are specifically excluded.

Keel en

Asendab EVS-EN 13309:2000

**EVS-EN 13358:2010**

Hind 124,00

Identne EN 13358:2010

**Bitumen and bituminous binders - Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes**

This European Standard specifies a method for the determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes. WARNING - The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13358:2004

**EVS-EN 13747:2005+A2:2010**

Hind 315,00

Identne EN 13747:2005+A2:2010

**Betoonvalmistooted. Põrandaplaadid pörandasüsteemidele**

This European standard deals with the requirements, the basic performance criteria and evaluation of conformity for precast floor plates made of reinforced or prestressed normal weight concrete according to EN 1992-1-1:2004, used in conjunction with cast-in-situ concrete (topping) for the construction of composite floor slabs. Annex B gives different types of composite slabs made with floor plates. These floor plates, with or without void formers, can include lattice girders or stiffening ribs incorporated during the precasting. They shall be manufactured in factories by casting, slip forming or extrusion.

Keel en

Asendab EVS-EN 13747:2005+A1:2008

**EVS-EN 13823:2010**

Hind 315,00

Identne EN 13823:2010

**Ehitustoodete tuleundlikkuse katsed. Ehitustoodete, v.a põrandakatted, termiline mõjutamine üksiku põleva objekti poolt**

This European Standard specifies a method of test for determining the reaction to fire performance of construction products excluding floorings, and excluding products which are indicated in Table 1 of EC Decision 2000/147/EC, when exposed to thermal attack by a single burning item (SBI). The calculation procedures are given in Annex A. Information on the precision of the test method is given in Annex B. The calibration procedures are given in Annexes C and D, of which C is a normative annex.

Keel en

Asendab EVS-EN 13823:2007

**EVS-EN 13859-1:2010**

Hind 209,00

Identne EN 13859-1:2010

**Elastsed niiskisolatsioonimaterjalid. Aluskihtide definitsioonid ja omadused. Osa 1: Mitmest osast koosnevate katuste alusmaterjalid**

This European standard specifies the characteristics of flexible sheets for underlays which are to be used under roof covering of discontinuous roofs. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

Keel en

Asendab EVS-EN 13859-1:2005+A1:2008

**EVS-EN 13859-2:2010**

Hind 198,00

Identne EN 13859-2:2010

**Elastsed niiskisolatsioonimaterjalid. Aluskihtide definitsioonid ja omadused. Osa 2: Seinte alusmaterjalid**

This European standard specifies the characteristics of flexible sheets for underlays for walls which are to be used in walls behind outside wall coverings in order to avoid penetration of wind and water from outside. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

Keel en

Asendab EVS-EN 13859-2:2005+A1:2008

**EVS-EN 14151:2010**

Hind 105,00

Identne EN 14151:2010

**Geosynthetics - Determination of burst strength**

This European Standard specifies a method for the determination of bi-axial properties (burst strength) of geosynthetics. This method applies to geotextiles, geosynthetic barriers and their related products. It applies to clay geosynthetic barriers only when tested in dry conditions.

Keel en

**EVS-EN 14516:2006+A1:2010**

Hind 166,00

Identne EN 14516:2006+A1:2010

**Vannid koduseks kasutamiseks KONSOLIDEERITUD TEKST**

This document specifies requirements, test methods and procedures for evaluation of conformity for baths used for domestic purposes and personal hygiene, which ensure that the product, when installed and maintained in accordance with the manufacturer's instructions, will satisfy requirements for "cleanability and durability". This document is applicable to all sizes and shapes of baths. This document does not cover baths for use with medical provisions.

Keel en

Asendab EVS-EN 14516:2006

**EVS-EN 14527:2006+A1:2010**

Hind 166,00

Identne EN 14527:2006+A1:2010

**Dušialused koduseks kasutamiseks KONSOLIDEERITUD TEKST**

This European Standard specifies requirements, test methods and procedures for evaluation of conformity for shower trays used for domestic purposes which ensure that the product, when installed, used and maintained in accordance with the manufacturer's instructions, will satisfy "cleanability and durability" when used for personal hygiene. This standard is applicable to all sizes and shapes of shower trays. This standard does not cover shower trays for use with medical provisions.

Keel en

Asendab EVS-EN 14527:2006

**EVS-EN 14975:2007+A1:2010**

Hind 135,00

Identne EN 14975:2006+A1:2010

**Loft ladders - Requirements, marking and testing CONSOLIDATED TEXT**

This European Standard specifies terms and definitions, product requirements and test methods for the construction and performance of loft ladders.

Keel en

Asendab EVS-EN 14975:2007

**EVS-EN 15193:2007/AC:2010**

Hind 0,00

Identne EN 15193:2007/AC:2010

**Hoonete energiatõhusus. Energianõuded valgustusele**

Keel en

**EVS-EN 15287-1:2007+A1:2010**

Hind 295,00

Identne EN 15287-1:2007+A1:2010

**Korstnad. Projekteerimine, paigaldamine ja kasutuselevõtmine. Osa 1: Korstnad ruumisisesel õhuvarustusega kütteseadmetele**

Standard kirjeldab moodulkorstnate projekteerimise ja paigaldamise, eritellimusel valmistatud korstnate valmistamise ja olemasolevate korstnate ümberehituse kriteeriumite täpsustamise meetodit. Standardis antakse samuti teavet korstnate kasutuselevõtmise kohta. See standard käsitleb ka suitsulõõride ühendustorusid. Standardit ei kohaldata standardis EN 13084-1 käsitletud eraldiseisvate, konstruktsioonilt sõltumatute korstnate suhtes. Standardi kohaselt välistatakse märgistust H (kõrge ülerõhuga korstnad – high positive pressure chimneys) kandvad ja ruumisisesel õhuvarustusega kütteseadmetega ühendatud korstnad. Standardi tähenduses hõlmab mõiste "paigaldamine" ka valmistamist.

Keel en

Asendab EVS-EN 15287-1:2007

**EVS-EN 15368:2008+A1:2010**

Hind 166,00

Identne EN 15368:2008+A1:2010

**Hydraulic binder for non-structural applications - Definition, specifications and conformity criteria CONSOLIDATED TEXT**

This European Standard applies to Hydraulic binder for non-structural applications in construction used as binder for preparation of mortar for masonry, rendering and plastering and other non structural construction products. This European Standard specifies the definition and composition of Hydraulic binder for non-structural applications (HB). It includes physical, mechanical and chemical requirements and defines strength classes. EN 15368 also states the conformity criteria and the related rules. Necessary durability requirements are also given. NOTE For normal applications the information given in this standard, and in the masonry specifications, EN 998-1 and EN 998-2, is generally sufficient. However, in special cases, an exchange of additional information between the producer and user can be helpful. The details of such an exchange are not within the scope of this standard but should be dealt with in accordance with national standards or other regulations or can be agreed between the parties concerned. Terms of delivery or other contractual conditions, normally included in documents exchanged between the supplier and the purchaser of Hydraulic binder for non-structural applications, are outside the scope of this European Standard.

Keel en

Asendab EVS-EN 15368:2008

**EVS-EN 15599-1:2010**

Hind 178,00

Identne EN 15599-1:2010

**Ehituslikud ja töenduslikud****soojustisolatsioonitooted. In situ paisutatud perliidist (EP) toodetest moodustatud soojustisolatsioon. Osa 1: Tihendatud ja puistetoodete spetsifikatsioon enne paigaldamist**

This European Standard specifies the requirements for expanded perlite products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately  $-270\text{ }^{\circ}\text{C}$  to  $+650\text{ }^{\circ}\text{C}$ . This European Standard specifies the requirements for the four types of expanded perlite products Perlite Aggregate (EPA), Coated Perlite (EPC), Hydrophobic Perlite (EPH) and Premixed Perlite (EPM), containing less than 1 % by mass organic material as determined by Annex C. This European Standard is a specification for the insulation products before installation. This European Standard describes the product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. 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. This European Standard does not cover factory made insulation products of formed shapes and boards made with expanded perlite, and does not cover products intended to be used for the insulation of buildings. The products covered by this standard are not intended to be used primarily for airborne sound insulation or sound absorption applications although they may improve the performance of the installation in these respects when installed for their primary insulation intended use.

Keel en

**EVS-EN 15599-2:2010**

Hind 92,00

Identne EN 15599-2:2010

**Ehituslikud ja töönduslikud****soojusisolatsioonitooted. In situ paisutatud perliidist (EP) toodetest moodustatud soojusisolatsioon. Osa 2: Paigaldatud toodete spetsifikatsioon**

This European Standard specifies the requirement for expanded perlite products which are used for in-situ thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 270 °C to + 650 °C. This European Standard specifies the requirements for the four types of expanded perlite products, Perlite Aggregate (EPA), Coated Perlite (EPC), Hydrophobic Perlite (EPH) and Premixed Perlite (EPM), containing less than 1 % by mass organic material as determined by Annex C in EN 15599-1:2010. This European Standard is a specification for the installed products. This European Standard also specifies the checks and test procedures to be used for the declaration made by the installer of the product. This European Standard does not specify the required level of all properties to be achieved by a product to demonstrate fitness for purpose in a particular application. The required levels are to be found in regulations or non-conflicting standards. This European Standard does not include factory made insulation products of formed shapes and boards made with expanded perlite. The products covered by this European Standard are not intended to be used primarily for airborne sound insulation or sound absorption applications although they may improve the performance of the installation in these respects when installed for their primary insulation intended use.

Keel en

**EVS-EN 15600-1:2010**

Hind 178,00

Identne EN 15600-1:2010

**Ehituslikud ja töönduslikud****soojusisolatsioonitooted. In situ paisutatud vermikuliidist (EV) toodetest moodustatud soojusisolatsioon. Osa 1: Tihendatud ja****puistetoodete spetsifikatsioon enne paigaldamist**

This European Standard specifies the requirements for exfoliated vermiculite products which are used for the thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 40 °C to + 1050 °C. This European Standard specifies the requirements for the four types of exfoliated vermiculite products Vermiculite Aggregate (EVA), Coated Vermiculite (EVC) Hydrophobic Vermiculite (EVH) and Premixed Vermiculite (EVM), containing less than 1 % by mass organic material as determined by Annex C. This European Standard is a specification for the insulation products before installation. This European Standard describes the product characteristics and includes procedures for testing, evaluation of conformity, marking and labelling. 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. This European Standard does not cover factory made insulation products of formed shapes and boards made with exfoliated vermiculite, and does not cover products intended to be used for the insulation of buildings. The products covered by this standard are not intended to be used primarily for airborne sound insulation or sound absorption applications although they may improve the performance of the installations in these respects when installed for their primary insulation intended use.

Keel en

## **EVS-EN 15600-2:2010**

Hind 92,00

Identne EN 15600-2:2010

### **Ehituslikud ja töönduslikud**

**soojusisolatsioonitooted. In situ paisutatud vermikuliidist (EV) toodetest moodustatud soojusisolatsioon. Osa 2: Paigaldatud toodete spetsifikatsioon**

This European Standard specifies the requirement for exfoliated vermiculite products, which are used for in-situ thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately - 40 °C to + 1050 °C. This European Standard specifies the requirements for the four types of exfoliated vermiculite products Vermiculite Aggregate (EVA), Coated Vermiculite (EVC), Hydrophobic Vermiculite (EVH) and Premixed Vermiculite (EVM), containing less than 1 % by mass organic material as determined by Annex C in EN 15600-1:2010. This European Standard is a specification for the installed products. This European Standard also specifies the checks and test procedures to be used for the declaration made by the installer of the product. This European Standard does not specify the required level of all properties to be achieved by a product to demonstrate fitness for purpose in a particular application. The required levels are to be found in regulations or non-conflicting standards. This European Standard does not include factory made insulation products of formed shapes and boards made with exfoliated vermiculite. The products covered by this European Standard are not intended to be used primarily for airborne sound insulation or sound absorption applications although they may improve the performance of the installation in these respects when installed for their primary insulation intended use.

Keel en

## **EVS-EN ISO 1716:2010**

Hind 188,00

Identne EN ISO 1716:2010

ja identne ISO 1716:2010

### **Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)**

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

Keel en

Asendab EVS-EN ISO 1716:2002

## **EVS-EN ISO 10848-4:2010**

Hind 114,00

Identne EN ISO 10848-4:2010

ja identne ISO 10848-4:2010

### **Acoustics - Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms - Part 4: Application to junctions with at least one heavy element**

This part of ISO 10848 specifies laboratory measurements of normalized flanking level difference, normalized flanking impact sound pressure level or vibration reduction index of buildings where at least one of the elements that form the construction under test is not a light element. This part of ISO 10848 applies to T- or X-junctions.

Keel en

## **EVS-EN ISO 12567-1:2010**

Hind 256,00

Identne EN ISO 12567-1:2010

ja identne ISO 12567-1:2010

### **Thermal performance of windows and doors - Determination of thermal transmittance by the hot-box method - Part 1: Complete windows and doors**

This part of ISO 12567 specifies a method to measure the thermal transmittance of a door or window system. It is applicable to all effects of frames, sashes, shutters, blinds, screens, panels, door leaves and fittings. It is not applicable to - edge effects occurring outside the perimeter of the specimen, - energy transfer due to solar radiation on the specimen, - effects of air leakage through the specimen, and - roof windows and projecting products, where the external face projects beyond the cold side roof surface. NOTE For roof windows and projecting units, see the procedure given in ISO 12567-2. Annex A gives methods for the calculation of environmental temperatures.

Keel en

Asendab EVS-EN ISO 12567-1:2001

## **EVS-HD 60364-4-444:2010/AC:2010**

Hind 0,00

Identne HD 60364-4-444:2010/Corr:2010

### **Low-voltage electrical installations - Part 4-444: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances**

Keel en

## **ASENDATUD VÕI TÜHISTATUD STANDARDID**

### **EVS 864:2004**

ja identne EVS 864:2004

#### **Ehitusprojekteerimisfirmade erialase dokumentatsiooni haldamine**

Käesolev standard annab soovitusel projekteerimisfirma dokumentide loetelu koostamiseks ja annab üldised soovitusel nende dokumentide haldamise korraldamiseks, arhivaalide säilitamiseks, nende kaitseks ja kasutamiseks.

Keel et

### **EVS-EN 408:2005**

Identne EN 408:2003

#### **Puitkonstruktsioonid. Ehituspuit ja liimpuit. Mõnede füüsikaliste ja mehaaniliste omaduste määramine**

See standard spetsifitseerib meetodid ehituspuidu ja liimpuidu järgmiste omaduste määramiseks: paindeelastsusmoodul, paindetugevus, tõmbeelastsusmoodul puidukiuga paralleelsel tõmbel, tõmbetugevus puidukiuga paralleelsel tõmbel, surveelastsusmoodul puidukiuga paralleelsel survele, survetugevus puidukiuga paralleelsel survele. Lisaks on kirjeldatud mõõtmete, niiskussisalduse ja tiheduse määramist. Meetodid on rakendatavad täisnurkse ja ringikujulise (oluliselt konstantse ristlõikega) mitteliidetud monoliitse või sõrmliidetega puidu ja liimpuidu kohta.

Keel et

Asendab EVS-EN 1193:2002; EVS-EN 408:2002

Asendatud EVS-EN 408:2010

**EVS-EN 12158-1:2006**

Identne EN 12158-1:2000

**Ehituse kaubatõstukid. Osa 1: Ligipääsetavate platvormidega tõstukid**

This standard deals with power operated temporarily installed builders hoists intended for use by persons who are permitted to enter sites of engineering and construction, serving defined landing levels, having a load carrying device: - designed for the transportation of goods only; - guided

Keel en

Asendatud EVS-EN 12158-1:2006+A1:2010

**EVS-EN 12158-2:2001**

Identne EN 12158-2:2000

**Ehituse kaubatõstukid. Osa 2: Juurdepääsmatute kandeseadmetega kaldtõstukid**

This standard deals with power operated temporarily installed builders hoists intended for use by persons who are permitted to enter sites of engineering and construction, serving either one upper landing or a work area extending to the end of the guides, (e.g. a roof) having a load carrying device (lcd).

Keel en

Asendatud EVS-EN 12158-2:2001+A1:2010

**EVS-EN 12311-2:2001**

Identne EN 12311-2:2000

**Flexible sheets for waterproofing - Determination of tensile properties - Part 2: Plastic and rubber sheets for roof waterproofing**

This European Standard specifies two methods for the determination of the tensile properties of plastic and rubber sheets for roof waterproofing: Method A based on EN ISO 1421, is preferred method which should be used for all materials. If method A is not suited to the material, i.e. the material does not rupture, method B based on ISO 37 can then be used to determine tensile properties.

Keel en

Asendatud EVS-EN 12311-2:2010

**EVS-EN 12317-2:2001**

Identne EN 12317-2:2000

**Flexible sheets of waterproofing - Determination of shear resistance of joints - Part 2: Plastic and rubber sheets for roof waterproofing**

This European Standard specifies a method for determining the resistance to shearing of joints between two adjacent sheets of the same plastic or rubber sheets for roof waterproofing. NOTE The shearing characteristics of a joint between two widths of plastic or rubber sheets vary considerably depending on the material, method of jointing, the size of the overlap and workmanship.

Keel en

Asendatud EVS-EN 12317-2:2010

**EVS-EN 13141-2:2004**

Identne EN 13141-2:2004

**Hoonete ventilatsioon – Elamute ventilatsiooniseadmete ja -komponentide katsetamine – Osa 2: Väljatõmbe ja sissepuhke lõppelemendid**

This European Standard specifies laboratory methods for testing exhaust and supply air terminal devices operating under pressure differences.

Keel en

Asendatud EVS-EN 13141-2:2010

**EVS-EN 13309:2000**

Identne EN 13309:2000

**Ehitusmasinad. Sisemise elektrivarustusega masinate elektromagnetiline ühilduvus**

This European Standard provides test methods and acceptance criteria for the evaluation of the electromagnetic compatibility of construction machinery. Electrical and/or electronic component(s) or separate technical unit(s) intended to be fitted in construction machinery are also dealt with in this European Standard, except regarding immunity for those parts whose functions are involved in the direct control and/or modification of the state functions of the machine.

Keel en

Asendatud EVS-EN 13309:2010

**EVS-EN 13358:2004**

Identne EN 13358:2004

**Bitumen and bituminous binders - Determination of the distillation characteristics of petroleum cut-back bitumen products**

This European Standard specifies a method for the determination of the distillation characteristics of petroleum cutback bitumen products (petroleum cut-back includes in this standard, the cut-back and the fluxed bitumens).

Keel en

Asendatud EVS-EN 13358:2010

**EVS-EN 13747:2005+A1:2008**

Identne EN 13747:2005+A1:2008

**Betoonvalmistooted. Põrandaplaadid põrandasüsteemidele KONSOLIDEERITUD TEKST**

This European standard deals with the requirements, the basic performance criteria and evaluation conformity for precast floor plates made of reinforced or prestressed normal weight concrete according EN 1992-1-1:2004, used in conjunction with cast-in-situ concrete (topping) for the construction of composite floor slabs. Annex B gives different types of composite slabs made with floor plates. These floor plates, with or without void formers, can include lattice girders or stiffening ribs incorporated during the precasting. They shall be manufactured in factories by casting, slip forming or extrusion. The products covered by this standard are intended to be used as part of structural floors in applications such as: - floors and roofs of buildings (including industrial and storage buildings, public buildings as schools, hospitals, etc.); - parking/circulation areas; - cover for culverts; - etc. The products may be used in seismic areas provided they fulfil the requirements specific to this use.

Keel en

Asendatud EVS-EN 13747:2005

Asendatud EVS-EN 13747:2005+A2:2010

**EVS-EN 13859-1:2005+A1:2008**

Identne EN 13859-1:2005+A1:2008

**Elastsed niiskusisolatsioonimaterjalid. Aluskihtide definitsioonid ja omadused. Osa 1: Mitmest osast koosnevate katuste alusmaterjalid KONSOLIDEERITUD TEKST**

This document specifies the characteristics of flexible sheets for underlays which are to be used under roof covering of discontinuous roofs. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

Keel en

Asendatud EVS-EN 13859-1:2005

Asendatud EVS-EN 13859-1:2010

**EVS-EN 13859-2:2005+A1:2008**

Identne EN 13859-2:2004+A1:2008

**Elastsed niiskusisolatsioonimaterjalid. Aluskihtide definitsioonid ja omadused. Osa 2: Seinte alusmaterjalid KONSOLIDEERITUD TEKST**

This document specifies the characteristics of flexible sheets for underlays for walls which are to be used in walls behind outside wall coverings in order to avoid penetration of wind and water from outside. It specifies the requirements and test methods and provides for the evaluation of conformity of the products with the requirements of this document.

Keel en

Asendab EVS-EN 13859-2:2005

Asendatud EVS-EN 13859-2:2010

**EVS-EN 13941:2009**

Identne EN 13941:2009

**Eelisolieritud seotud kaugküttetorustike projekteerimine ja paigaldamine**

This European Standard specifies rules for design, calculation and installation for preinsulated bonded pipe systems for buried hot water distribution and transmission networks (cf. figure 2) with pipe assemblies in accordance with EN 253, for continuous operation with hot water at various temperatures up to 120°C and occasionally with peak temperatures up to 140°C and maximum internal pressure 25 bar (overpressure).

Keel en

Asendab EVS-EN 13941:2006

Asendatud EVS-EN 13941:2009+A1:2010

**EVS-EN 14351-1:2007/AC:2010****Aknad ja välisüksed. Tootestandard, toimivusomadused. Osa 1: Aknad ja välisüksed, millele ei esitata tulepüsivus- ja/või suitsutõkestusnõudeid**

Käesolev Euroopa standard esitab akendele (kaasaarvatud katuseaknad, välistulekindlad katuseaknad ja aken-üksed), välisustele (kaasaarvatud lengideta klaasüksed ja evakuatsiooniteede üksed) ja koostelementidele rakenduvad toimivusomadused, mis ei olene materjalist.

Keel et

Asendatud EVS-EN 14351-1:2006+A1:2010

**EVS-EN 14516:2006**

Identne EN 14516:2006

**Vannid koduseks kasutamiseks**

This document specifies requirements, test methods and procedures for evaluation of conformity for baths used for domestic purposes and personal hygiene, which ensure that the product, when installed and maintained in accordance with the manufacturer's instructions, will satisfy requirements for Cleanability.

Keel en

Asendatud EVS-EN 14516:2006+A1:2010

**EVS-EN 14527:2006**

Identne EN 14527:2006

**Dušialused koduseks kasutamiseks**

This European Standard specifies requirements, test methods and procedures for evaluation of conformity for shower trays used for domestic purposes which ensure that the product, when installed, used and maintained in accordance with the manufacturer's instructions, will satisfy cleanability and durability of cleanability when used for personal hygiene.

Keel en

Asendatud EVS-EN 14527:2006+A1:2010

**EVS-EN 15287-1:2007**

Identne EN 15287-1:2007

**Korstnad. Projekteerimine, paigaldamine ja kasutuselevõtmine. Osa 1: Korstnad ruumisiseses õhuvarustusega kütteseadmetel**

Standard kirjeldab moodulkorstnate projekteerimise ja paigaldamise, eritellimisel valmistatud korstnate valmistamise ja olemasolevate korstnate ümberehituse kriteeriumite täpsustamise meetodit. Standardis antakse samuti teavet korstnate kasutuselevõtmise kohta. Standard käsitleb ka suitsulööride ühendustorusid. Standardit ei kohaldata standardis EN 13084-1 käsitletud eraldiseisvate, konstruktsioonilt sõltumatu korstnate suhtes. Standardi kohaselt välistatakse märgistust H (kõrge ülerõhuga korstnad - high positive pressure chimneys) kandvad ja ruumisiseses õhuvarustusega kütteseadmetega ühendatud korstnad. Käesoleva standardi tähenduses hõlmab mõiste „paigaldamine“ ka valmistamist.

Keel et

Asendab EVS-EN 12391-1:2004

Asendatud EVS-EN 15287-1:2007+A1:2010

**EVS-EN 15368:2008**

Identne EN 15368:2008

**Hydraulic binder for non-structural applications: definition, specifications and conformity criteria**

This European Standard applies to Hydraulic binder for non-structural applications in construction used as binder for preparation of mortar or masonry, rendering and plastering and other non structural construction products. This European Standard specifies the definition and composition of Hydraulic binder for non-structural applications (HB). It includes physical, mechanical and chemical requirements and defines strength classes. EN 15368 also states the conformity criteria and the related rules. Necessary durability requirements are also given.

Keel en

Asendatud EVS-EN 15368:2008+A1:2010

**EVS-EN 28970:2000**

Identne EN 28970:1991

ja identne ISO 8970:1989

**Puittaridid. Mehaaniliste kinnitusedetailidega liidete katsetamine. Puidu tihedusnõuded**

See standard määrab kindlaks kaks meetodit puidu tiheduse valikuks proovikehade jaoks, mida kasutatakse mehaaniliste kinnitusedetailidega liidete tugevus- ja jäikusomaduste määramisel teimidega.

Keel en

Asendatud EVS-EN ISO 8970:2010

**EVS-EN ISO 1716:2002**

Identne EN ISO 1716:2002

ja identne ISO 1716:2002

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

This Standard specifies a method for the determination of the heat of combustion of building products at constant volume in a bomb calorimeter.

Keel en

Asendatud EVS-EN ISO 1716:2010

### **EVS-EN ISO 12567-1:2001**

Identne EN ISO 12567-1:2000

ja identne ISO 12567-1:2000

#### **Thermal performance of windows and doors - Determination of thermal transmittance by hot box method - Part 1: Complete windows and doors**

This part of EN ISO 12567 specifies a method to measure the thermal transmittance of a door or window system. This includes all effects of frames, sashes, shutters, door leaves and fittings.

Keel en

Asendatud EVS-EN ISO 12567-1:2010

### **KAVANDITE ARVAMUSKÜSITLUS**

#### **EN 14154-1:2005+A1:2007/FprA2**

Identne EN 14154-1:2005/FprA2:2010

Tähtaeg 29.11.2010

#### **Veearvestid. Osa 1: Üldnõuded.**

This document applies to water meters intended for residential, commercial, light industrial and industrial use, and specifies the requirements and certification procedures for water meters, irrespective of the design technologies used to meter the actual volume of clean cold potable water or heated water, flowing through a fully charged, closed conduit. These water meters shall incorporate devices, which indicate the integrated volume. This document also applies to water meters based on electrical or electronic principles, and to water meters based on mechanical principles incorporating electronic devices, used to meter the actual volume flow of cold potable water or heated water. It provides metrological requirements for electronic ancillary devices when they are subject to metrological control. As a rule the ancillary devices are optional. However national or international regulations make some ancillary devices mandatory in relation to the utilisation of the water meter.

Keel en

#### **EN 15037-2:2009/FprA1**

Identne EN 15037-2:2009/FprA1:2010

Tähtaeg 29.11.2010

#### **Betoonvalmistooted. Tala-plokk-vahelaesüsteemid. Osa 2: Betoonblokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in normal or lightweight aggregate concrete, used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-in-situ concrete for the construction of beam-and-block floor and roof systems. Examples of typology of floor and roof systems are given in Annex B of EN 15037-1:2008.

Keel en

#### **EN 15037-3:2009/FprA1**

Identne EN 15037-3:2009/FprA1:2010

Tähtaeg 29.11.2010

#### **Betoonvalmistooted. Tala-plokk-vahelaesüsteemid. Osa 3: Keraamilised blokid**

This European Standard deals with the requirements and the basic performance criteria for blocks made in clay, used in conjunction with precast concrete beams in compliance with EN 15037-1, with or without cast-in-situ concrete for the construction of beam-and-block floor and roof systems. Examples of typology of floor and roof systems are given in Annex B of EN 15037-1:2008.

Keel en

### **FprEN 413-1**

Identne FprEN 413-1:2010

Tähtaeg 29.11.2010

#### **Müüritsement. Osa 1: Koostis, spetsifikatsioonid ja vastavuskriteeriumid**

This European Standard specifies the definition and composition of masonry cements as commonly used in Europe for the production of mortar for bricklaying and blocklaying and for rendering and plastering. It includes physical, mechanical and chemical requirements and defines strength classes. EN 413-1 also states the conformity criteria and the related rules. Necessary durability requirements are also given.

Keel en

Asendab EVS-EN 413-1:2006

### **FprEN 771-1**

Identne FprEN 771-1:2010

Tähtaeg 29.11.2010

#### **Müürikivide spetsifikatsioon. Osa 1: Savimüürikivid (savitellised)**

This European Standard specifies the characteristics and performance requirements for masonry units manufactured from clay for use in masonry construction (e.g. facing and rendered masonry, loadbearing or non-loadbearing masonry structures, including internal linings and partitions, for building and civil engineering). This European Standard is intended to apply to two groups of fired-clay masonry units: a) LD units (see 3.4 and 5.2) comprising: 1) clay masonry units with a gross dry density of less than or equal to 1 000 kg/m<sup>3</sup> for use in protected masonry. b) HD units (see 3.5 and 5.3) comprising: 1) all clay masonry units for use in unprotected masonry; 2) clay masonry units with a gross dry density of greater than 1 000 kg/m<sup>3</sup> for use in protected masonry. This European Standard includes those clay masonry units of an overall non-rectangular parallelepiped shape. It defines the performance related to e.g. dimensional tolerances, strength, density measured according to the corresponding test methods contained in separate European Standards. It provides for the evaluation of conformity of the product to this European Standard. The marking requirement for products covered by this European Standard is included. This European Standard does not specify standard sizes for clay masonry units, nor does it specify standard work dimensions, angles and radii of specially shaped clay masonry units. This document does not include method of measurement, tolerance and range requirements for dimensions, angles and radii characteristics of specially shaped clay masonry units. This European Standard does not cover requirements for the following: units for paving, flue liners and storey height clay masonry units and clay masonry units with an incorporated thermal insulation material bonded to the faces of the unit susceptible to be exposed to fire. It does, however, include clay masonry units for external chimney masonry.

Keel en

Asendab EVS-EN 771-1:2006



**FprEN 771-2**

Identne FprEN 771-2:2010

Tähtaeg 29.11.2010

**Müürikivide spetsifikatsioon. Osa 2:  
Silikaatmüürikivid (silikaattellised)**

This European Standard specifies the characteristics and performance requirements of calcium silicate masonry units for which the main intended uses are inner walls, outer walls, cellars, foundations and external chimney masonry. This European Standard is intended to apply to all calcium silicate masonry units, including those of an overall nonrectangular parallelepiped shape, specially shaped and accessory units. It defines the performance related to e.g. strength, density and dimensional accuracy, measured according to the corresponding test methods contained in separate European Standards. It provides for the evaluation of conformity of the product to this European Standard. The marking requirement for products covered by this document is also included. This European Standard does not specify standard sizes for calcium silicate masonry units, nor standard work dimensions and angles of specially shaped and accessory units. It does not cover units with more than 60 % volume of voids, nor products made from shale as a major raw material. It does not cover storey height panels. It does not cover units intended for use as a damp proof course, nor units with an incorporated thermal insulation material bonded to the faces of the unit susceptible to be exposed to fire, nor chimney flue units.

Keel en

Asendab EVS-EN 771-2:2006

**FprEN 771-3**

Identne FprEN 771-3:2010

Tähtaeg 29.11.2010

**Müürikivide spetsifikatsioon. Osa 3:  
Betonmüürikivid (tiheda ja kergtäitematerjaliga)**

This European Standard specifies the characteristics and performance requirements of aggregate concrete masonry units made from dense and lightweight aggregates or a combination of both for which the main intended uses are common, facing or exposed masonry in load bearing or non-load bearing building and civil engineering applications. The units are suitable for all forms of walling, including single leaf, external leaf to chimneys, cavity wall, partitions, retaining, and basement. They can provide fire protection, thermal insulation, sound insulation and sound absorption. This European Standard includes aggregate concrete masonry units of an overall non-rectangular parallelepiped shape, especially shaped and accessory units. It defines the performance related to e.g. strength, density, dimensional accuracy, and provides for the evaluation of conformity of the product to this European Standard. The marking requirements for products covered by this European Standard are also included. This European Standard does not specify standard sizes for aggregate concrete masonry units, nor standard work dimensions and angles of specially shaped aggregate concrete masonry units. It does not cover storey height panels, chimney flue linings nor units intended for use as a damp proof course. It does not cover units with an incorporated thermal insulation material bonded to the faces of the unit susceptible to be exposed to fire.

Keel en

Asendab EVS-EN 771-3:2006

**FprEN 771-4**

Identne FprEN 771-4:2010

Tähtaeg 29.11.2010

**Müürikivide spetsifikatsioon. Osa 4: Autoklaavitud  
poorbetonist müürplokid**

This European Standard specifies the characteristics and performance requirements of autoclaved aerated concrete (AAC) masonry units for which the main intended uses are different types of load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining, basement and general use below ground level, including walling for fire protection, thermal insulation, sound insulation and the fabric of chimneys (excluding chimney flue units). It defines the performance related to e.g. strength, density, dimensional accuracy etc. and provides for the evaluation of conformity of the product to this European Standard. The marking requirement for products covered by this European Standard is included. This European Standard does not cover the requirements for storey height panels, flue linings and masonry units with an incorporated thermal insulation material bonded to the faces of the unit susceptible to be exposed to fire. It does not specify standard sizes for autoclaved aerated concrete units nor standard work dimensions and angles of specially shaped and accessory units. It does not give permissible deviations for specially shaped and accessory units. It does not cover products intended for use as a damp proof course or the lining of a chimney.

Keel en

Asendab EVS-EN 771-4:2006

## **FprEN 771-5**

Identne FprEN 771-5:2010

Tähtaeg 29.11.2010

### **Müürikivide spetsifikatsioon. Osa 5:**

#### **Betoontehismüürikivid**

This European Standard specifies the characteristics and performance requirements of manufactured stone masonry units for which the main intended uses are facing or exposed masonry in load bearing or non-load bearing building and civil engineering applications. The units are suitable for all forms of coursed or random masonry walling, including single leaf, cavity, partition, retaining and the external masonry to chimneys. They can provide fire protection, thermal insulation, sound insulation and sound absorption. This standard covers concrete masonry units manufactured to resemble natural stone using casting or pressing techniques with or without textured surfaces produced, by casting, splitting, washing, blasting or tooling and with or without variable outline effects. It covers homogeneous masonry units and those consisting of different facing and backing concrete mixes, but excludes those manufactured with an adhesive bonded decorative face. This standard does not cover masonry units intended to conform to EN 771-3. It defines the performance related to e.g. strength, density, dimensional accuracy, surface appearance and provides for the evaluation of conformity of the product to this European Standard. The marking requirements for products covered by this European Standard are also included. This European Standard does not apply to storey height panels, masonry units used for chimney flues or units manufactured with an adhesive bonded decorative face. It does not include products intended to be used as a damp proof course nor does it specify standard sizes for manufactured stone masonry units or work dimensions and angles of specially shaped units. It does not cover units with an incorporated thermal insulation material bonded to the faces of the unit susceptible to be exposed to fire.

Keel en

Asendab EVS-EN 771-5:2006

## **FprEN 771-6**

Identne FprEN 771-6:2010

Tähtaeg 29.11.2010

### **Müürikivide spetsifikatsioon. Osa 6: Looduslikud müürikivid**

This European Standard specifies the characteristics and performance requirements of masonry units manufactured from natural stone the width of which is equal to or greater than 80 mm, for which the main intended uses are common, facing or exposed masonry units in loadbearing or non-loadbearing building and civil engineering applications. These units are suitable for all forms of coursed or random masonry walling, including single leaf, cavity, partition, retaining and the external masonry to chimneys. They can provide fire protection, thermal insulation, sound insulation and sound absorption. This European Standard includes natural stone masonry units of an overall non-rectangular parallelepiped shape, specially shaped and accessory units for internal and external application. It defines the performance related to e.g. strength, petrographic description, density, porosity, dimensional accuracy, thermal conductivity, water absorption, and frost resistance and provides for the evaluation of conformity of the product to this European Standard. The marking requirements for products covered by this European Standard are also included. This European Standard does not cover storey height panels, natural stone for paving, chimney flue linings nor units intended for use as damp proof course.

Keel en

Asendab EVS-EN 771-6:2005

## **FprEN 15269-10**

Identne FprEN 15269-10:2010

Tähtaeg 29.11.2010

### **Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies including their elements of building hardware - Part 10: Fire resistance of steel rolling shutter assemblies**

This Part of prEN 15269, which should be read in conjunction with EN 15269-1, covers the following types of steel rolling shutter assemblies: un-insulated manually operated shutters, un-insulated powered shutters, insulated manually operated shutters and insulated powered shutters. This document prescribes the methodology for extending the application of test results obtained from test(s) conducted in accordance with EN 1634-1. Subject to the completion of the appropriate test or tests selected from those identified in Clause 4 the extended application may cover all or some of the following non-exhaustive list: - Integrity only (E), radiation (EW) or insulated (EI1 or EI2) classifications; - shutter curtain; - wall/ceiling fixed elements (frame/suspension system); - decorative finishes; - intumescent, smoke, draught or acoustic seals; - alternative supporting construction(s).

Keel en

**FprEN 62305-3:2010/FprAA**

Identne FprEN 62305-3:2010/FprAA:2010

Tähtaeg 29.11.2010

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

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

Keel en

**prEN 12480**

Identne prEN 12480 rev:2010

Tähtaeg 29.11.2010

**Gaasiarvestid. Rootorarvestid**

This European Standard specifies ranges, construction, performances, output characteristics and testing of rotary displacement gas meters (hereinafter referred to as RD meters or simply meters) for gas volume measurement. This European Standard applies to rotary displacement gas meters used to measure the volume of at least fuel gases of the 1st, 2nd and 3rd gas families, the composition of which is specified in EN 437, at a maximum working pressure up to and including 20 bar over an ambient and gas temperature range of at least -10 °C to + 40 °C.

Keel en

Asendab EVS-EN 12480:2002

**prEN 13084-7**

Identne prEN 13084-7:2010

Tähtaeg 29.11.2010

**Toestamata korstnad - Ühekihilise seinaga teraskorstnate ja vooderdiste ehitamisel kasutatavate silindriliste terastoodete tootespetsifikatsioonid**

This European Standard is a product standard which specifies the performance requirements of cylindrical steel fabrications for use in single wall steel chimneys and steel liners for free-standing chimneys used to convey the flue gas to the outside atmosphere. It specifies also the requirements for insulation and cladding being part of the single wall steel chimney and liner, it provides for the evaluation of conformity of steel chimney/liners to this EN. The steel chimneys/steel chimney products manufactured in accordance with this European Standard shall comply with the requirements given in EN 13084-1 and EN 1993-3-2.

Keel en

Asendab EVS-EN 13084-7:2005

**prEN 13225**

Identne prEN 13225 rev:2010

Tähtaeg 29.11.2010

**Betoonvalmistooted. Varraselemendid**

This document identifies the requirements, the basic performance criteria and evaluation of conformity for precast linear elements (such as columns, beams and frame elements) made of reinforced or prestressed normal weight concrete, used for the construction of the structures of buildings and other civil engineering works, except bridges. Beams used in conjunction with cast-in-situ concrete topping are also covered. This document covers terminology, performance criteria, tolerances, relevant physical properties, test methods, and aspects of transport and erection. This document does not cover load bearing capacity determined by calculation aided by testing except for spun columns (see 4.3.3 and Annex B).

Keel en

Asendab EVS-EN 13225:2006

**prEN 16153**

Identne prEN 16153:2010

Tähtaeg 29.11.2010

**Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external roofs, walls and ceilings - Requirements and test methods**

This European Standard specifies the requirements for light transmitting flat multiwall polycarbonate (PC) sheets for internal and external use in walls, roofs and ceilings. This European standard applies to light transmitting flat extruded multiwall PC sheets with or without functional layers (e.g. coating, co-extruded layer) made from PC-based or other materials. It also specifies the test methods needed for the evaluation of conformity and marking of the sheets.

Keel en

**prEN ISO 13791**

Identne prEN ISO 13792:2010

ja identne ISO/DIS 13792:2010

Tähtaeg 30.05.2010

**Thermal performance of buildings - Calculation of internal temperatures of a room in summer without mechanical cooling - General criteria and validation procedures**

This document specifies the assumptions, boundary conditions, equations and validation tests for a calculation procedure, under transient hourly conditions, of the internal temperatures (air and operative) during the warm period, of a single room without any cooling/heating equipment in operation. No specific numerical techniques are imposed by this document. Validation tests are included in Clause 7. An example of a solution technique is given in Annex A. This document does not contain sufficient information for defining a procedure able to determine the internal conditions of special zones such as attached sun spaces, atria, indirect passive solar components (Trombe walls, solar panels) and zones in which the solar radiation may pass through the room. For such situations different assumptions and more detailed solution models are needed (see Bibliography).

Keel en

Asendab EVS-EN ISO 13791:2005

**UUED STANDARDID JA PUBLIKATSIOONID****EVS 875-12:2010**

Hind 178,00

**Vara hindamine. Osa 12: Hindamine hüvitamise eesmärgil**

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 avaliku sektori vajadusi. Standard EVS 875-12 „Hindamine hüvitamise eesmärgil“ käsitleb vara hindamise erisusi, mis tavaliselt on seotud avalike huvide, kuid mitte ainult, teostamisega. Hüvitamise küsimus võib tõstatada seonduvalt sundvõõrandamise, kindlustuse kahjukäsitluste jms. juhtumitega. Käesolev standard keskendub küsimustele, mis on seotud avalike huvide teostamisega ja ei anna detailseid juhtnööre hüvituse väärtuse leidmiseks muid hindamise eesmarke silmas pidades.

Keel et

**EVS-EN 1317-1:2010**

Hind 219,00

Identne EN 1317-1:2010

**Teepiiridesüsteemid. Osa 1: Terminoloogia ja katsemeetodite üldkriteeriumid**

This European Standard contains provisions for the measurement of performance of products for the road restraint systems, under impact and impact severity levels, and includes: - Test site data; - Definitions for road restraint systems; - Vehicle specification (including loading requirements) for vehicles used in the impact tests; - Instrumentation for the vehicles; - Calculation procedures and methods of recording crash impact data including impact severity levels; - VCDI. The modifications included in this standard are not a change of test criteria, in the sense of EN 1317-5:2007+A1:2008, ZA.3.

Keel en

Asendab EVS-EN 1317-1:1999

**EVS-EN 1317-2:2010**

Hind 188,00

Identne EN 1317-2:2010

**Teepiiridesüsteemid. Osa 2: Põrkpiirete eksploatatsioonimaduste klassid, põrkekatseläbimistingimused ja katsemeetodid**

This European Standard specifies requirements on impact performance of safety barriers, including vehicle parapets, classes of containment, working width, vehicle intrusion and impact severity levels. NOTE This European Standard should be read in conjunction with EN 1317-1. Both these standards support EN 1317-5. The modifications included in standard are not a change of test criteria, in the sense of the EN 1317-5:2007+A1:2008, ZA.3.

Keel en

Asendab EVS-EN 1317-2:1999; EVS-EN 1317-2:1999/A1:2006

**EVS-EN 1317-3:2010**

Hind 188,00

Identne EN 1317-3:2010

**Road restraint systems - Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions**

This European Standard specifies requirements for the performance of crash cushions during vehicle impacts. It specifies performance classes and acceptance criteria for impact tests, which should be read in conjunction with EN 1317-1 and EN 1317-5. The modifications included in this European Standard are not a change of test criteria, in the sense of EN 1317-5:2007+A1:2008, ZA.3.

Keel en

Asendab EVS-EN 1317-3:2000

**EVS-EN 12697-47:2010**

Hind 92,00

Identne EN 12697-47:2010

**Bituminous mixtures - Test methods for hot mix asphalt - Part 47: Determination of the ash content of natural asphalts**

This European Standard describes a test method to determine the ash content in natural asphalts (including lake asphalts), binders containing natural asphalts or bitumens. For the method to apply, it is essential that any mineral matter in the binder be finely divided and cannot exceed 45 % by mass.

Keel en

**EVS-EN 13285:2010**

Hind 166,00

Identne EN 13285:2010

**Sidumata segud. Spetsifikatsioon**

Käesolev Euroopa standard määratab nõuded sidumata segudele kasutamiseks teedel, lennuväljadel ja muudel liiklusaladel. Nõuded on määratletud vastava viitega standardile EN 13242. Käesolevat Euroopa standardit rakendatakse looduslikest, kunstlikest ja taaskasutatavaist täitematerjalidest sidumata segude tarnimisel terasuuruse ülemise mõõdega (D) 8 mm kuni 90 mm ja terasuuruse alumise mõõdega (d) = 0.

Keel en

Asendab EVS-EN 13285:2007

**EVS-EN 13674-2:2006+A1:2010**

Hind 336,00

Identne EN 13674-2:2006+A1:2010

**Raudteealased rakendused. Rööbastee. Rööbas. Osa 2: Pöörangute ja ristumiste liikuvad ja ristuvad rööpad ühenduses Vignole'i raudteerööbaste lineaarmassiga 46 kg/m ja üle selle**

This part of EN 13674 specifies switch and crossing rails that carry railway wheels. These are used in conjunction with Vignole railway rails. This part of this standard is not applicable for the check rails that do not carry railway wheels. Eight pearlitic steel grades are specified covering a hardness range of 200 HBW to 390 HBW and include non heat treated non-alloy steels, non heat treated alloy steels, heat treated non-alloy steels and heat treated low alloy steels. There are 34 rail profiles specified in this standard, but they may not all be available in all steel grades. Rails specified in EN 13674-1 may also be used as switch and crossing rails and if so used they shall comply with the requirements of EN 13674-1.

Keel en

Asendab EVS-EN 13674-2:2006

**EVS-EN 13674-3:2006+A1:2010**

Hind 166,00

Identne EN 13674-3:2006+A1:2010

**Raudteelased rakendused. Rööbastee. Rööbas.****Osa 3: Juhtrööbas KONSOLIDEERITUD TEKST**

This European Standard specifies check rail profiles which have been designed for this purpose. It does not cover guard rails which are to protect vehicle, bridge, viaduct and other structures in the event of a derailment. Three grades of steel and five rail profiles are specified.

Keel en

Asendab EVS-EN 13674-3:2006

**EVS-EN 13803-1:2010**

Hind 271,00

Identne EN 13803-1:2010

**Raudteelased rakendused. Rööbastee. 1435 mm ja laiema rööpmelaiusega rööbastee projekteerimine.****Osa 1: Raudteerada**

This European Standard specifies the rules and limits that determine permissible speed for a given track alignment. Alternatively, for a specified permissible speed, it defines limits for track alignment design parameters. More restrictive requirements of the High Speed TSI Infrastructure and the Conventional Rail TSI Infrastructure, as well as other (national, company, etc.) rules will apply. This European Standard applies to main lines with track gauges 1435 mm and wider with permissible speeds between 80 km/h and 300 km/h. Annex C (informative) describes the conversion rules which can be applied for tracks with gauges wider than 1435 mm. Normative Annex D is applied for track gauges wider than 1435 mm. However, the values and conditions stated for this speed range can also be applied to lines where permissible speeds are less than 80 km/h, but in this case, more or less restrictive values may need to be used and should be defined in the contract. This European Standard need not be applicable to certain urban and suburban lines. This European Standard also takes account of vehicles that have been approved for high cant deficiencies. For the operation of tilting trains, specific requirements are defined within this European Standard.

Keel en

Asendab EVS-ENV 13803-1:2004

**EVS-EN 14490:2010**

Hind 271,00

Identne EN 14490:2010

**Execution of special geotechnical works - Soil nailing**

1.1 This European Standard establishes general principles for the execution, testing, supervision and monitoring of soil nailing. 1.2 Soil nailing is a construction technique, used to enhance/maintain the stability of a soil mass by installation of reinforcing elements (soil nails). Typical examples of soil nailing are given in Annex A. 1.3 The scope of soil nailing applications considered in this European Standard includes the installation and testing of soil nails and associated operations, required when stabilising existing and newly cut slopes and faces in soil, existing earth retaining structures, embankments, existing tunnels and the excavated facing of new tunnels in soil. 1.4 Soil nailing may be used to form part of a hybrid construction. This European Standard is relevant only to the soil nailing aspect of such constructions. 1.5 Techniques, such as reinforcement of ground by vertical inclusions (sheet piles, bored or driven piles, or other elements) and stabilisation with rock bolts, prestressed ground anchors or tensions piles are not covered by this European Standard. 1.6 Guidance on practical aspects of soil nailing and aspects on design, durability and testing is given in the informative Annexes A, B and C, respectively.

Keel en

**EVS-EN 14730-1:2006+A1:2010**

Hind 256,00

Identne EN 14730-1:2006+A1:2010

**Railway applications - Track - Aluminothermic welding of rails - Part 1: Approval of welding processes CONSOLIDATED TEXT**

This standard defines the laboratory tests and requirements for approval of an aluminothermic welding process using welds produced in workshop conditions. It applies to the joining of new, Vignole rails as described in EN 13674-1 of the same profile and steel grade. Compliance with the requirements of this standard does not of itself ensure the suitability of a welding process for specific conditions of track and traffic. The standard does not cover welds made between different rail sections, differently worn rails and different rail grades. In addition to the definitive requirements this standard also requires the items detailed in Clause 4 to be documented. For compliance with this standard, it is important that both the definitive requirements and the documented items be satisfied.

Keel en

Asendab EVS-EN 14730-1:2006

**EVS-ENV 1317-4:2010**

Hind 166,00

Identne ENV 1317-4:2001

**Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers**

This European Prestandard specifies requirements for the performance of terminals and transitions. It defines performance classes and acceptance criteria for impact tests.

Keel en

Asendatud prEN 1317-8

## ASENDATUD VÕI TÜHISTATUD STANDARDID

### **EVS-EN 1317-2:1999**

Identne EN 1317-2:1998

#### **Teepiirdesüsteemid. Osa 2: Põrkpiirete ekspluatatsiooniomaduste klassid, pörkekatseläbimistingimused ja katsemeetodid**

Käesolev Euroopa standard määrab kindlaks pörkpiirete, kaasa arvatud sõiduki kaitseraua pörkeomadustele esitatavad nõuded. Standard määrab eri kaitseastmete ekspluatatsiooniomaduste klassid, pörketesti läbimistingimused ja testimismeetodid. Käesoleva standardi sätted kehtivad selliste süsteemide kohta, millel kaitsmine on ainus funktsioon. Need sätted kehtivad ka süsteemide kohta, millel kaitsefunktsioon on süsteemi lisafunktsioon (näiteks müraarjäärid ja signalisatsiooniseadmed).

Keel en

Asendatud EVS-EN 1317-2:2010

### **EVS-EN 1317-3:2000**

Identne EN 1317-3:2000

#### **Road restraint systems - Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions**

This European Standard gives requirements for the performance of crash cushions. It defines performance classes and acceptance criteria for impact tests.

Keel en

Asendatud EVS-EN 1317-3:2010

### **EVS-EN 1317-1:1999**

Identne EN 1317-1:1998

#### **Teepiirdesüsteemid. Osa 1: Terminoloogia ja katsemeetodite üldkriteeriumid**

Käesolev Euroopa standard esitab selle standardi muudes osades maanteesõidukite piirdesüsteemide ja jalakäijate piirdesüsteemide käsitlemisel kasutatavate põhimõistete määratlused. Samuti määrab standard kindlaks katsemeetodite üldnormid. Teatmelisad B ja C annavad teavet kokkupõrke tagajärjel tekkiva kineetilise energia ja sõiduki kiirenduse kohta.

Keel en

Asendatud EVS-EN 1317-1:2010

### **EVS-EN 1317-2:1999/A1:2006**

Identne EN 1317-2:1998/A1:2006

#### **Teepiirdesüsteemid. Osa 2: Põrkpiirete ekspluatatsiooniomaduste klassid, pörkekatseläbimistingimused ja katsemeetodid**

Käesolev Euroopa standard määrab kindlaks pörkpiirete, kaasa arvatud sõiduki kaitseraua pörkeomadustele esitatavad nõuded. Standard määrab eri kaitseastmete ekspluatatsiooniomaduste klassid, pörketesti läbimistingimused ja testimismeetodid. Käesoleva standardi sätted kehtivad selliste süsteemide kohta, millel kaitsmine on ainus funktsioon. Need sätted kehtivad ka süsteemide kohta, millel kaitsefunktsioon on süsteemi lisafunktsioon (näiteks müraarjäärid ja signalisatsiooniseadmed).

Keel en

Asendatud EVS-EN 1317-2:2010

### **EVS-EN 13285:2007**

Identne EN 13285:2003

#### **Sidumata segud. Spetsifikatsioon**

Käesolev Euroopa Standard määrab nõuded sidumata segudele kasutamiseks teedel, lennuväljadel ja muudel liiklusaladel. Nõuded on määratletud vastava viitega standardile EN 13242. Käesolevat Euroopa standardit rakendatakse sidumata segudele looduslikest, kunstlikest ja taaskasutatavaist täitematerjalidest (vt lisa A) terasuuruse ülemise mõõtega (D) 8 mm kuni 80 mm ja terasuuruse alumise mõõtega (d) = 0 tarnimisel.

Keel et

Asendatud EVS-EN 13285:2010

### **EVS-EN 13674-3:2006**

Identne EN 13674-3:2006

#### **Raudteealased rakendused. Rööbastee. Rööbas. Osa 3: Juhtrööbas**

This European Standard specifies check rail profiles which have been designed for this purpose. It does not cover guard rails which are to protect vehicle, bridge, viaduct and other structures in the event of a derailment. Three grades of steel and five rail profiles are specified.

Keel en

Asendatud EVS-EN 13674-3:2006+A1:2010

## KAVANDITE ARVAMUSKÜSITLUS

### **EN 500-4:2006+A1:2009/FprA2**

Identne EN 500-4:2006/FprA2:2010

Tähtaeg 29.11.2010

#### **Liikuvad tee-ehitusmasinad. Ohutus. Osa 4: Erinõuded tihendusmasinatele**

This part of EN 500 specifies the safety requirements for compaction machines as defined in Clause 3 and deals with all significant hazards, hazardous situations and events relevant to compaction machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable. This document specifies additional requirements to and/or exceptions from EN 500-1 "Common requirements".

Keel en

## prEN 1317-8

Identne prEN 1317-8 rev:2010

Tähtaeg 29.11.2010

### **Road restraint systems - Part 8: Motorcycle road restraint systems which reduce the impact severity of motorcyclist collisions with safety barriers**

This part of the European standard shall be read in conjunction with EN 1317 Parts 1 and 2. These parts of the standard all support EN 1317-5. This part of the standard specifies requirements for the impact performance of PTW rider protection systems to be fitted to barriers or for the rider protection aspect of a barrier itself. It excludes the assessment of the vehicle restraint capabilities of barriers and the risk that they represent to the occupants of impacting cars. The performance of impacting vehicles must be assessed according to EN 1317-1 and 2. This part of the standard defines performance classes taking into account rider speed classes, impact severity and the working width of the system with respect to rider impacts. For systems designed to be added to a standard barrier, the test results are valid only when the system is fitted to the model of barrier used in the tests. EN 1317-5 describes how it may be determined whether other barrier models are sufficiently similar to the barrier tested to allow their use in conjunction with the tested system without the need for additional testing. Guidelines for making this judgement are given in Annex G.

Keel en

## prEN 13508-1

Identne prEN 13508-1 rev:2010

Tähtaeg 29.11.2010

### **Investigation and assessment of drain and sewer systems outside buildings - Part 1: General Requirements**

This European standard is applicable to the investigation and assessment of drain and sewer systems outside buildings. It is applicable to drain and sewer systems, which operate essentially under gravity, from the point where the sewage leaves a building or roof drainage system, or enters a road gully, to the point where it is discharged into a treatment works or receiving water. Drains and sewers below buildings are included provided that they do not form part of the drainage system of the building. This part of the standard specifies general requirements for the investigation and assessment of drain and sewer systems outside buildings.

Keel en

Asendab EVS-EN 13508-1:2004

## 95 SÕJATEHNIKA

### EUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 9120:2010**

Hind 188,00

Identne EN 9120:2010

#### **Quality Management Systems - Requirements for Aviation, Space and Defence Distributors**

This standard includes ISO 9001:2008 1) quality management system requirements and specifies additional aviation, space and defense industry requirements, definitions and notes as shown in bold, italic text. It is emphasized that the requirements specified in this standard are complementary (not alternative) to contractual and applicable statutory and regulatory requirements. Should there be a conflict between the requirements of this standard and applicable statutory or regulatory requirements, the latter shall take precedence. This European Standard specifies requirements for a quality management system where an organization: a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements; and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9120:2006

## 97 OLME. MEELELAHUTUS. SPORT

### EUED STANDARDID JA PUBLIKATSIOONID

#### **EVS-EN 30-1-1:2008+A1:2010**

Hind 356,00

Identne EN 30-1-1:2008+A1:2010

#### **Kodused gaaskuumutusega toiduvalmistusseadmed. Osa 1-1: Ohutus. Üldist KONSOLIDEERITUD TEKST**

See standard kehtestab konstruktsiooni- ja käituskarakteristikud ning nõuded ja katsemeetodid selliste eraldipaiknevate ja sisseehitatud koduste toiduvalmistusseadmete ohutuse ja märgistamise kohta, mis põletavad osas 4.1 esitatud põlevgaase vastavalt osas 4.2 esitatud kategooriatele ja mis tekstis on nimetatud kui seadmed.

Keel en

Asendab EVS-EN 30-1-1:2008

**EVS-EN 131-2:2010**

Hind 219,00

Identne EN 131-2:2010

**Ladders - Part 2: Requirements, testing, marking**

This European Standard specifies the general design features, requirements and test methods for portable ladders. It does not apply to step stools or ladders for specific professional use such as firebrigade ladders, roof ladders and mobile ladders. It does not apply to ladders used for work on or near live electrical systems or installations. For this purpose EN 61478 applies.

NOTE For insulating ladders for use on or near low voltage electrical installations in the range below 1000 V a.c or 1 500 V d.c. EN 50528 is under preparation. This European Standard is intended to be used in conjunction with EN 131-1. For single or multiple hinge joint ladders EN 131-4 applies.

Keel en

Asendab EVS-EN 131-2:2000

**EVS-EN 1069-2:2010**

Hind 219,00

Identne EN 1069-2:2010

**Water slides - Part 2: Instructions**

This European Standard is applicable to water slides as defined in EN 1069-1:2010, 3.3. This European Standard establishes the instructions for use, operation and maintenance as well as the documentation and commissioning of water slides.

Keel en

Asendab EVS-EN 1069-2:2000

**EVS-EN 1069-1:2010**

Hind 256,00

Identne EN 1069-1:2010

**Veeliümäed - 1: Ohutusnõuded ja testimismeetodid**

This European Standard is applicable to all water slides installed in swimming pools of public use. This standard specifies general safety requirements for water slides in swimming pools of public use and specific requirements for defined types of water slides. These specific safety requirements are applicable also to not defined types as far as possible. These requirements concern safety and the technical rules for design, calculation and testing.

Keel en

Asendab EVS-EN 1069-1:2001

**EVS-EN 1816:2010**

Hind 92,00

Identne EN 1816:2010

**Elastsed põrandakatted. Homogeensete ja heterogeensete siledast kummist, vahtaluskihil põrandakatete tehnilised andmed**

This European Standard specifies the characteristics of homogeneous and heterogeneous smooth (including grained or embossed) rubber floor coverings with foam backing, supplied in roll or in tile form. This European Standard includes a classification system based on intensity of use, which shows where these resilient floor coverings should give satisfactory service (see EN 685). It also specifies requirements for marking.

Keel en

Asendab EVS-EN 1816:1999

**EVS-EN 1817:2010**

Hind 105,00

Identne EN 1817:2010

**Elastsed põrandakatted. Homogeensete ja heterogeensete siledast kummist põrandakatete tehnilised andmed**

This European Standard specifies the characteristics of homogeneous and heterogeneous smooth (including grained or embossed) rubber floor coverings, supplied in either tile or roll form. This European Standard includes a classification system based on intensity of use, which shows where these resilient floor coverings should give satisfactory service (see EN 685). It also specifies requirements for marking.

Keel en

Asendab EVS-EN 1817:1999

**EVS-EN 12199:2010**

Hind 105,00

Identne EN 12199:2010

**Elastsed põrandakatted. Homogeensete ja heterogeensete kummist põrandakatete tehnilised andmed**

This European Standard specifies the characteristics of homogeneous and heterogeneous relief or studded rubber floor coverings, supplied in either tile or roll form. This European Standard includes a classification system based on intensity of use, which shows where these resilient floor coverings should give satisfactory service (see EN 685). It also specifies requirements for marking.

Keel en

Asendab EVS-EN 12199:1999

**EVS-EN 12227:2010**

Hind 243,00

Identne EN 12227:2010

**Kodused laste mänguaedikud. Ohutusnõuded ja katsemeetodid**

This European Standard specifies the safety requirements and test methods for playpens and folding playpens for domestic use, for a child with a body weight up to 15 kg. If a playpen has several functions or can be converted into another function, it shall comply with the relevant standards.

Keel en

Asendab EVS-EN 12227-1:2001; EVS-EN 12227-2:2001

**EVS-EN 14974:2006+A1:2010**

Hind 188,00

Identne EN 14974:2006+A1:2010

**Facilities for users of roller sports equipment - Safety requirements and test methods  
CONSOLIDATED TEXT**

This standard applies to facilities for users of inline-skates, roller skates, skateboards or similar roller sports equipment, as well as BMX cycles (hereinafter referred to as facility/facilities). It specifies general and specific requirements and test methods for facilities used in unsupervised areas. The purpose of this European Standard is to specify the safety requirements, which to a large extent protect users and third parties (e.g. spectators) from hazards when using a facility as intended or as can be reasonably expected. This European Standard is not be applicable for bike-parcours (e.g. dirt tracks).

Keel en

Asendab EVS-EN 14974:2006



**EVS-EN 15907:2010**

Hind 219,00

Identne EN 15907:2010

**Film identification - Enhancing interoperability of metadata - Element sets and structures**

This European Standard specifies a set of metadata for the description of cinematographic works, as well as a terminology for use by parties wishing to exchange such descriptive metadata. It also defines some basic entities and relationships useful for defining data models as well as for structuring hierarchically ordered and serialised representations of metadata about cinematographic works including their variants, manifestations, and items. Specific vocabularies for values of elements and attributes are mandated only in selected cases, and only if these vocabularies are actively maintained by a standardisation body.

Keel en

**EVS-EN 60335-2-24:2003/AC:2010**

Hind 0,00

Identne EN 60335-2-24:2003/Corr:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-24: Erinõuded külmutusseadmetele, jäätise- ja jäävalmistitele**

Keel en

**EVS-EN 60335-2-27:2010/AC:2010**

Hind 0,00

Identne EVS-EN 60335-2-27:2010/Corr:2010

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

Keel en

**EVS-EN 60335-2-89:2003/AC:2010**

Hind 0,00

Identne EN 60335-2-89:2003/Corr:2010

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-89: Erinõuded kaubanduses kasutatavatele sisseehitatud või eraldiseisva külmutuskondensaatori või kompressoriga külmutusseadmetele**

Keel en

**EVS-EN ISO 9239-1:2010**

Hind 188,00

Identne EN ISO 9239-1:2010

ja identne ISO 9239-1:2010

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

This part of ISO 9239 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. This part of ISO 9239 is applicable to the measurement and description of the properties of floorings in response to heat and flame under controlled laboratory conditions. It should not be used alone to describe or appraise the fire hazard or fire risk of floorings under actual fire conditions. Information on the precision of the test method is given in Annex B.

Keel en

Asendab EVS-EN ISO 9239-1:2002

**EVS-EN ISO 28158:2010**

Hind 105,00

Identne EN ISO 28158:2010

ja identne ISO 28158:2010

**Dentistry - Integrated dental floss and handles**

This International Standard is applicable to integrated dental floss and handles for manual use. It does not include dental floss and handles which contain a continuous supply of dental floss, or dental floss and handles to which the floss is subsequently added. This International Standard does not specify specific qualitative and quantitative test methods for demonstrating freedom from unacceptable biological risks. For assessment of such biological risks, see ISO 10993-1 and ISO 7405.

Keel en

**ASENDATUD VÕI TÜHISTATUD STANDARDID****EVS-EN 30-1-1:2008**

Identne EN 30-1-1:2008

**Kodused gaaskuumutusega****toiduvalmistusseadmed. Osa 1-1: Ohutus. Üldist**

See standard kehtestab konstruktsiooni- ja käituskarakteristikud ning nõuded ja katsemeetodid selliste eraldipaiknevate ja sisseehitatud koduste toiduvalmistusseadmete ohutuse ja märgistamise kohta, mis põletavad osas 4.1 esitatud põlevgaase vastavalt osas 4.2 esitatud kategooriatele ja mis tekstis on nimetatud kui seadmed.

Keel en

Asendab EVS-EN 30-1-1:1999

Asendatud EVS-EN 30-1-1:2008+A1:2010

### **EVS-EN 131-2:2000**

Identne EN 131-2:1993 + AC:1993

#### **Redelid. Nõuded, katsetamine, märgistus**

See standard piiritleb redelite üldised konstruktsiooniomadused, nõuded ja katsemeetodid. Standard kehtib kantavate redelite kohta. Standard ei kehti professionaalse erirakendusega redelite kohta, nagu tuletõrjeredelid ja liikurredelid. Seda standardit tuleb lugeda koos standardiga EN 131-1.

Keel en

Asendatud EVS-EN 131-2:2010

### **EVS-EN 621:1999/A1:2002**

Identne EN 621:1998/A1:2001

#### **Väljaspool kodumajapidamist kasutatavad gaasiküttel sundkonvektsiooniga otsepõlemis-õhusoojendid ruumide soojendamiseks, soojuste netosisendväärtusega alla 300 kW, ilma põlemisõhku ja/või põlemisjääke teisaldava ventilaatorita.**

##### **MUUDATUS**

See Euroopa standard määrab kindlaks ohutus- ja efektiivsusnõuded ning katsetusmeetodid väljaspool kodumajapidamist kasutatavate gaasiküttel otsepõlemis-õhusoojendite jaoks soojuste netosisendväärtusega alla 300 kW. Nendel õhusoojenditel on atmosfääriõhul töötavad põletid ning puudub ventilaator, mis aitaks teisaldada põlemisõhku ja/või põlemise jääkgaase. See Euroopa standard kehtib B11, C11 ja C31 tüüpi seadmete kohta, mida ei kasutata omaette üksuse moodustavates elamutes.

Keel en

### **EVS-EN 1069-2:2000**

Identne EN 1069-2:1999

#### **Water slides of 2 m height and more - Part 2: Instructions**

This standard is applicable to water slides of 2 m in height and more. This standard establishes the instructions for use, operation and maintenance as well as the documentation and commissioning of water slides over 2 m in height.

Keel en

Asendatud EVS-EN 1069-2:2010

### **EVS-EN 1069-1:2001**

Identne EN 1069-1:2000

#### **Veeliumäed kõrgusega üle 2 m. Osa 1: Ohutusnõuded ja testimismeetodid**

Käesolev Euroopa standard käsitleb üle 2 m kõrgusi veeliumägesid. See standard võib olla kohaldatav ka teistele liumägedele, mida selles standardis pole kirjeldatud, eeldades, et ohutusnõuded on täidetud.

Standard määrab kindlaks üldised nõuded kõikidele veeliumägedele ja nende lisavarustusele, samuti erinõuded kindlaksmääratud tüüpi veeliumägedele. Need nõuded puudutavad veeliumägede ohutust ja konstrueerimise tehnilisi eeskirju, arvutusi ning testimist.

Keel en

Asendab EVS-EN 1069-1:2000

Asendatud EVS-EN 1069-1:2010

### **EVS-EN 1816:1999**

Identne EN 1816:1998

#### **Elastsed põrandakatted. Homogeensete ja heterogeensete siledast kummist, vahtaluskihil põrandakatete tehnilised andmed**

Käesolev Euroopa standard määrab kindlaks selliste homogeensete ja heterogeensete siledast kummist põrandakatete iseloomulikud omadused, millel on vahtaluskiht ja mida turustatakse rullmaterjalina, kaasa arvatud puidu- või marmorimitatsiooniga või reljeefse ornamendiga põrandakatted. Käesolev Euroopa standard kirjeldab kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus nimetatud elastsete põrandakatete kasutamine peaks eksploatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele.

Keel en

Asendatud EVS-EN 1816:2010

### **EVS-EN 1817:1999**

Identne EN 1817:1998

#### **Elastsed põrandakatted. Homogeensete ja heterogeensete siledast kummist põrandakatete tehnilised andmed**

Käesolev Euroopa standard määrab kindlaks plaatide või rullmaterjalina turustatavate homogeensete ja heterogeensete siledast kummist põrandakatete iseloomulikud omadused, kaasa arvatud puidu- või marmorimitatsiooniga või reljeefse ornamendiga põrandakatted. Käesolev Euroopa standard sisaldab kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus nimetatud elastsete põrandakatete kasutamine peaks eksploatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele.

Keel en

Asendatud EVS-EN 1817:2010

### **EVS-EN 12199:1999**

Identne EN 12199:1998

#### **Elastsed põrandakatted. Homogeensete ja heterogeensete kummist põrandakatete tehnilised andmed**

Käesolev Euroopa standard määrab kindlaks selliste homogeensete ja heterogeensete reljeefsete või tikkornamendiga kummist põrandakatete iseloomulikud omadused, mis tarnitakse plaatidena või rullmaterjalina. Käesolev Euroopa standard kirjeldab kasutusintensiivsusel põhinevat liigitussüsteemi, mis näitab, kus nimetatud elastsete põrandakatete kasutamine peaks eksploatatsioonis andma piisavalt hea tulemuse (vt. EN 685). Standard kehtestab ka nõuded märgistusele.

Keel en

Asendatud EVS-EN 12199:2010

### **EVS-EN 12227-2:2001**

Identne EN 12227-2:1999

#### **Kodused laste mänguaedid. Osa 2: Katsemeetodid**

This part of EN 12227 has been prepared in order to provide assurance that playpens and folding playpens conforming with the requirements in EN 12227-1 are safe.

Keel en

Asendatud EVS-EN 12227:2010

**EVS-EN 12227-1:2001**

Identne EN 12227-1:1999

**Kodused laste mänguaedid. Osa 1: Ohutusnõuded**

This European Standard specifies requirements related to the safety of playpens and folding playpens for domestic use, for children with a body weight of not more than 15 kg.

Keel en

Asendatud EVS-EN 12227:2010

**EVS-EN 14974:2006**

Identne EN 14974:2006

**Facilities for users of roller sports equipment - Safety requirements and test methods**

This standard applies to facilities for users of inline-skates, roller skates, skateboards or similar roller sports equipment, as well as BMX cycles (hereinafter referred to as facility/facilities). It specifies general and specific requirements and test methods for facilities used in unsupervised areas.

Keel en

Asendatud EVS-EN 14974:2006+A1:2010

**EVS-EN 14975:2007**

Identne EN 14975:2006

**Loft ladders - Requirements, marking and testing**

This standard specifies terms and definitions, product requirements and test methods for the construction and performance of loft ladders.

Keel en

Asendatud EVS-EN 14975:2007+A1:2010

**EVS-EN ISO 9239-1:2002**

Identne EN ISO 9239-1:2001

ja identne ISO 9239-1:2002

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

This standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a radiant heat flux radiant gradient in a test chamber, when ignited with a pilot flames.

Keel en

Asendatud EVS-EN ISO 9239-1:2010

**KAVANDITE ARVAMUSKÜSITLUS****FprEN 653**

Identne FprEN 653:2010

Tähtaeg 29.11.2010

**Elastsed põrandakatted. Vahtpolüvinüülkloriid-põrandakatted. Tehnilised andmed**

This European Standard specifies the characteristics of floor coverings based on expanded (cushioned) polyvinyl chloride and modifications thereof, supplied in either tile or roll form. To encourage the consumer to make an informed choice, the standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking.

Keel en

Asendab EVS-EN 653:1999

**FprEN 654**

Identne FprEN 654:2010

Tähtaeg 29.11.2010

**Elastsed põrandakatted. Poolpainuvad polüvinüülkloriid-plaadid. Tehnilised andmed**

This European Standard specifies the characteristics of semi-flexible tiles based on polyvinyl chloride and modifications thereof. To encourage the consumer to make an informed choice, this standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking.

Keel en

Asendab EVS-EN 654:1999

**FprEN 655**

Identne FprEN 655:2010

Tähtaeg 29.11.2010

**Elastsed põrandakatted. Aglomereeritud komposiitkorgist polüvinüülkloriid-kulumiskihiga plaadid. Tehnilised andmed**

This European Standard specifies the characteristics of agglomerated cork with a wear layer based on polyvinyl chloride and modifications thereof. To encourage the consumer to make an informed choice, the standard includes a classification system (see EN 685) based on intensity of use, which shows where these floor coverings should give satisfactory service. It also specifies requirements for marking.

Keel en

Asendab EVS-EN 655:1999

**FprEN 686**

Identne FprEN 686:2010

Tähtaeg 29.11.2010

**Elastsed põrandakatted. Vahtaluskihiga ühevärvilise linoleumi ja dekoratiivlinoleumi tehnilised andmed**

This European Standard specifies the characteristics of plain and decorated linoleum on a foam backing as a compound floor covering, supplied in roll form. To encourage the consumer to make an informed choice, this standard includes a classification system based on intensity of use, which shows where resilient floor coverings should give satisfactory service (see EN 685). It also includes requirements for marking. The term 'linoleum' is frequently incorrectly applied to a range of floor coverings, often to those based on polyvinyl chloride or rubber. Such materials are not included in this standard.

Keel en

Asendab EVS-EN 686:1999

**FprEN 687**

Identne FprEN 687:2010

Tähtaeg 29.11.2010

**Elastsed põrandakatted. Korkaluskihiga ühevärvilise linoleumi ja dekoratiivlinoleumi tehnilised andmed**

This European Standard specifies the characteristics of plain and decorative linoleum on a corkment backing as a compound floor covering, supplied in roll form. To encourage the consumer to make an informed choice, the standard includes a classification system based on intensity of use, which shows where resilient floor coverings should give satisfactory service (see EN 685). It also includes requirements for marking. The term "linoleum" is frequently incorrectly applied to a range of floor coverings, often to those based on polyvinyl chloride or rubber. Such materials are not included in this standard.

Keel en

Asendab EVS-EN 687:1999

**FprEN 688**

Identne FprEN 688:2010

Tähtaeg 29.11.2010

**Elastsed põrandakatted. Korklinoleumi tehnilised andmed**

This European Standard specifies the characteristics of corklinoleum, supplied in roll form. To encourage the consumer to make an informed choice, the standard includes a classification system based on intensity of use, which shows where resilient floor coverings should give satisfactory service (see EN 685). It also includes requirements for marking. The term 'linoleum' is frequently incorrectly applied to a range of floor coverings, often to those based on polyvinyl chloride or rubber. Such materials are excluded from this standard.

Keel en

Asendab EVS-EN 688:1999

**FprEN 12101-7**

Identne FprEN 12101-7:2010

Tähtaeg 29.11.2010

**Smoke and heat control systems - Part 7: Smoke duct sections**

This European Standard applies to smoke control duct sections, placed on the market and intended to operate as part of a pressure differential system or smoke and heat exhaust system. This standard specifies requirements and gives reference to the test methods defined for smoke control duct sections and their associated components (for example, hangers and other items proven at the time of testing), which are intended to be installed in such systems in buildings. It also provides for the evaluation of conformity of the products to the requirements of this standard. Furthermore, marking and information on installation and maintenance of these products are also given in this European Standard. To avoid duplication, reference is made to a variety of other standards. To this end, this standard is to be read in conjunction with EN 1366-8, EN 1366-9 and EN 1366-1, for details of the fire resistance testing and EN 13501-4 for corresponding classification. This standard has not considered in detail the detrimental and/or corrosive effects that may be caused by process chemicals present in the atmosphere, which are drawn through the system intentionally or inadvertently. This European Standard also governs associated components used together with smoke control duct sections such as turning vanes and silencers, with the exception of natural and powered smoke ventilators and smoke control dampers, which are covered by separate standards. Ducts for use other than in smoke and heat exhaust/control systems are not covered by this standard.

Keel en

**FprEN 12101-8**

Identne FprEN 12101-8:2010

Tähtaeg 29.11.2010

**Smoke and heat control systems - Part 8: Smoke control dampers**

This European Standard applies to smoke control dampers, placed on the market and intended to operate as part of a pressure differential system or smoke and heat control system. This standard specifies requirements and gives reference to the test methods defined for smoke control dampers and their associated components, such as actuators which are intended to be installed in such systems in buildings. It also provides for the evaluation of conformity of these products to the requirements of this standard. Furthermore, provision on marking and information on installation and maintenance of these products are also given. This European Standard distinguish between two categories of smoke control dampers, i.e. single compartment smoke control dampers and multi-compartment fire resisting smoke control dampers. Smoke control dampers covered by this European Standard can be installed into smoke control system ducts or onto the ducts' surface. They can be installed also into a wall, floor or ceiling/roof elements or onto the surface of these elements. To avoid duplication, reference is made to a variety of other standards. To this end, this standard is to be read in conjunction with EN 13501-4, prEN 1366-10 and EN 1366-2, for details of the furnace testing. This standard does not consider in detail the detrimental and/or corrosive effects that may be caused by process chemicals present in the atmosphere, which are drawn through the system intentionally or inadvertently.

Keel en

**FprEN 60350-1**

Identne FprEN 60350-1:2010

ja identne IEC 60350-1:201X

Tähtaeg 29.11.2010

**Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance**

This European Standard defines methods for measuring the performance of electric cooking ranges, ovens, steam ovens, and grills for household use.

Keel en

Asendab EN 50304:2009/FprAA; EVS-EN 50304:2009

**FprEN 60350-2**

Identne FprEN 60350-2:2010

ja identne IEC 60350-2:201X

Tähtaeg 29.11.2010

**Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance**

This European Standard defines methods for measuring the performance of electric hobs for household use.

Keel en

Asendab EVS-EN 50304:2009; EN 50304:2009/FprAA

**FprEN 60747-16-5**

Identne FprEN 60747-16-5:2010

ja identne IEC 60747-16-5:201X

Tähtaeg 29.11.2010

**Semiconductor devices - Part 16-5: Microwave integrated circuits - Oscillators**

This International Standard specifies the terminology, essential ratings and characteristics, measuring methods of microwave integrated circuit oscillators. This document is applicable to the fixed and voltage-controlled semiconductor microwave oscillator devices, except the oscillator modules such as synthesizers which require external controllers.

Keel en

**FprEN ISO 12952-2**

Identne FprEN ISO 12952-2:2010

ja identne ISO 12952-2:2010

Tähtaeg 29.11.2010

**Textiles — Assessment of the ignitability of bedding items — Part 2: Ignition source: match flame equivalent**

This part of ISO 12952 specifies tests for assessing the ignitability of all bedding items when subjected to a match-flame equivalent. This part of ISO 12952 applies to bedding items, which can normally be placed on a mattress, for example: - mattress covers; - underlays; - incontinence sheets and pads; - sheets; - blankets; - electric blankets; - quilts (duvets) and covers; - pillows (whatever the filling) and bolsters; - pillowcases. This part of ISO 12952 does not apply to mattresses, bed bases and mattress pads.

Keel en

Asendab EVS-EN ISO 12952-3:2001; EVS-EN ISO 12952-4:2001

**prEN 12275**

Identne prEN 12275 rev:2010

Tähtaeg 29.11.2010

**Mägironimisvarustus. Karabiinid. Ohutusnõuded ja katsemeetodid**

This standard specifies safety requirements and test methods for connectors for use in mountaineering including climbing.

Keel en

Asendab EVS-EN 12275:1999

**prEN 13537**

Identne prEN 13537 rev:2010

Tähtaeg 29.11.2010

**Requirements for sleeping bags**

This European Standard specifies general requirements and test methods as well as provisions for labelling and the information supplied by the manufacturer of adult sleeping bags for use in sports and leisure time activities. This document does not apply to sleeping bags intended for specific purpose such as e. g. military use and extreme climate zone expedition. It does not apply to sleeping bags for children or babies either because for them no prediction model exists for the determination of the limiting temperatures out of the thermal resistance of the sleeping bag. Such a model cannot be developed because the necessary controlled sleep trials with children or babies in climatic chambers are, out of ethical reasons, not permitted. This standard describes the method for the assessment of the performance in steady state conditions of a sleeping bag with regard to the protection against cold provided. It applies to sleeping bags for an adult person.

Keel en

Asendab EVS-EN 13537:2002

## 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 01.11.2010

#### **prEVS-EN 10021:2007**

##### **Terastoodete üldised tehnilised tarnetingimused**

Euroopa standard spetsifitseerib üldised tehnilised tarnetingimused kõigile standardi EN 10079 poolt hõlmatavatele terastoodetele, välja arvatud terasvalu ja pulbermetallurgiatooted.

Identne: EN 10021:2006

#### **prEVS-EN 10143:2006**

##### **Pidevas kuumsukkelprotsessis pinnatud leht- ja lintteras - mõõtme ja kujutolerantsid**

Euroopa standard rakendub pidevas kuumsukkelprotsessis tsingiga (Z), tsingi-raua sulamiga (ZF), tsingi-alumiiniumi sulamiga (ZA), alumiiniumi-tsingi sulamiga (AZ) ja alumiiniumi-räni sulamiga (AS) pinnatud madala süsinikusaldusega kõrgtugevast terasest ja konstruktsiooniterasest külmvormitud tasapinnalistele toodetele, mille minimaalne paksus on 0,20 mm ja maksimaalne paksus on 6,50 mm, mida tarnitakse lehtede, laia lindi, laiast lindist lõigatud ribade või laia lindi ribadest või lehtedest mõõtulõigatud materjalina. See kehtib standardite EN 10292, EN 10326, EN 10327 kohastele toodetele ja standardi prEN 10336 kohastele kuumsukelmeetodil pinnatud toodetele.

Identne: EN 10143:2006

#### **prEVS-EN 10346:2009**

##### **Pideval kuumsukelprotsessis pinnatud lehtterastooted. Tehnilised tarnetingimused**

Euroopa standard määratleb nõuded pideval kuumsukelmeetodil tsingiga (Z), tsingi-raua sulamiga (ZF), tsingi-alumiiniumi sulamiga (ZA), alumiiniumi-tsingi sulamiga (AZ) või alumiiniumi-räni sulamiga (AS) pinnatud madala süsinikusaldusega terasest, konstruktsiooniterasest (ehitusterasest) ja kõrgtugevast terasest, kui ka pideval kuumsukelmeetodil tsingiga (Z), tsingi-raua sulamiga (ZF), tsingi-alumiiniumi sulamiga (ZA) pinnatud mitmefaasilisest terasest külmvormitud lehttoodetele, mille paksus on 0,35 mm kuni 3 mm, kui pole teisiti kokku lepitud.

Identne: EN 10346:2009

#### **prEVS-EN 12697-12:2008**

##### **Asfaltsegud. Kuuma asfaltsegu katsemeetodid. Osa 12: Asfaltsegu proovikehade veepüsivuse määramine**

Euroopa standard kirjeldab kolme katsemeetodit veega immutamise ja kiirendatult konditsiooni viimise efekti määramiseks. Neid meetodeid võib kasutada niiskuse mõju hindamisel juhtudel, kui kasutatakse või siis ei kasutata naket parandavaid lisandeid sisaldavaid vedelikke, näiteks amiine, samuti fillereid, näiteks kustutatud lupja või tsementi: - meetodi A puhul rakendatakse asfaltsegu silindriliste proovikehade kaudset tõmbetugevust; - meetodi B puhul rakendatakse asfaltsegu proovikehade survetugevust; - meetodiga C määratakse pehmete asfaltsegude seotuse määr 1 tund peale segamist, mil naket bituumeni ja täitematerjali vahel võib lugeda võrdseks segu seotuse määraga. Meetodid A ja B annavad

keskeltläbi sarnaseid tulemusi. Siiski, kui proovikehade saledus on väiksem kui 0,5, pole meetod B sobiv. Meetod C sobib pehmetele asfaltsegudele bituumeniga, mille viskoossus 60°C juures on 4000 mm<sup>2</sup>/s või väiksem ja milliste puhul meetodid A ja B ei ole rakendatavad. MÄRKUS Meetodid A ja B on kasutatavad ka pehmete asfaltsegude puhul, kui nende bituumeni viskoossus 60 °C juures on suurem kui 4000 mm<sup>2</sup>/s.  
Identne: EN 12697-12:2008

### **prEVS-EN 12899-3:2007**

#### **Vertikaalsed püsiliikluskorraldusvahendid.**

##### **Osa 3: Tähispostid ja helkurid**

EN 12899 osa 3 määratleb eraldi või kombineeritud toodetena liiklusalades kasutatavatele uutele tähispostidele ja uutele helkuritele esitatavad nõuded. See hõlmab toimivusnõudeid ja katsemeetodeid. Kolorimeetriliste ja tagasipeegelduvate omaduste määratlemistel on arvestatud CIE soovitusetega.

Konstruksiooninõuded hõlmavad toimivust staatilisel ja dünaamilisel koormusel. Arvesse võetakse kasutamise turvalisust, kaasa arvatud sõidukiga kokkupõrke korral. Vastupidavuse määramiseks sisaldab käesolev standard samuti toimivustasemeid, mis tuleb säilitada pärast ilmastikutingimustega kokkupuutumist. Tähispostide ja helkurite värvide, mõõtmete ja tolerantside kohta nõudeid ei ole antud.

Identne: EN 12899-3:2007

### **prEVS-EN 13285:2010**

#### **Sidumata segud. Spetsifikatsioon**

Euroopa standard määratab nõuded sidumata segudele kasutamiseks teedel, lennuväljadel ja muudel liiklusaladel. Nõuded on määratletud vastava viitega standardile EN 13242. Euroopa standardit rakendatakse looduslikest, kunstlikest ja taaskasutatavaist täitematerjalidest sidumata segude tarnimisel terasuuruse ülemise mõõtega (D) 8 mm kuni 90 mm ja terasuuruse alumise mõõtega (d) = 0.  
Identne: EN 13285:2010

### **prEVS-EN 14023:2010**

#### **Bituumen ja bituumensideained.**

##### **Polümeermodifitseeritud bituumenite määratlemise alused**

Euroopa standard annab teede, lennuväljade ja muude kattega alade ehitamiseks ja hooldamiseks sobivate polümeermodifitseeritud bituumenite omaduste ja

asjakohaste katsemeetodite määramise raamistiku. See raamistik hõlmab järgmisi parameetreid: - "konsistents vahepealsel töötemperatuuril"; - "konsistents kõrgendatud töötemperatuuril"; - "nidusus (kohesioon)"; - "konsistentsi püsivus"; - "rabadus madalal töötemperatuuril"; - "deformatsiooni taastuvus". Nidusus on kastusele võetud polümeermodifitseeritud bituumenite ja muude bituumensideainete eristamiseks. Muidu olulisi nõudeid "nake (adhesioon)" ja "tardumisvõime" peegeldavad valmis asfaltsegude katsed. Sobivusklasside esitlemine tabelites 1, 2 ja 3 võimaldab valida bituumeni kõige sobivama spetsifikatsiooni, arvestades kohalikke kliima- ja kasutustingimusi. Polümeermodifitseeritud bituumenite tähtsus koosneb penetratsiooni vahemikust ja minimaalsest pehmenemistäpist (vaata näidet lisas A).

Identne: EN 14023:2010

### **prEVS-EN 15287-1:2007+A1:2010**

#### **Korstnad. Projekteerimine, paigaldamine ja kasutuselevõtmine. Osa 1: Korstnad ruumisiseses õhuvarustusega kütteseadmetele**

Standard kirjeldab moodulkorstnate projekteerimise ja paigaldamise, eritellimusel valmistatud korstnate valmistamise ja olemasolevate korstnate ümberehituse kriteeriumite täpsustamise meetodit. Standardis antakse samuti teavet korstnate kasutuselevõtmise kohta. See standard käsitleb ka suitsulõõride ühendustorusid. Standardit ei kohaldata standardis EN 13084-1 käsitletud eraldiseisvate, konstruktsioonilt sõltumatute korstnate suhtes. Standardi kohaselt välistatakse märgistust H (kõrge ülerõhuga korstnad – high positive pressure chimneys) kandvad ja ruumisiseses õhuvarustusega kütteseadmetega ühendatud korstnad. Standardi tähenduses hõlmab mõiste "paigaldamine" ka valmistamist.

Identne: EN 15287-1:2007+A1:2010

### **prEVS-EN 1744-1:2010**

#### **Täitematerjalide keemiliste omaduste katsetamine. Osa 1: Keemiline analüüs**

Euroopa standard määratleb täitematerjalide keemilise analüüsi meetodid. Standard määratleb põhimeetodid ja teatud juhtudel ka samaväärseid tulemusi andvad alternatiivmeetodid. Juhul kui pole teisiti määratud, võib käesolevas standardis esitatud meetodeid

kasutada tootmiskontrolli eesmärkidel ja kontroll- või tüübi katsetusel. Standard kirjeldab põhimeetodeid, mida kasutatakse tüübi katsetusel ja erimeelsuste korral (ja alternatiivmeetodite puhul) täitematerjalide keemilisel analüüsil. tüübi katsetusel ja erimeelsuste korral tuleks kasutada ainult põhimeetodit. Teistel eesmärkidel, peamiselt tehase tootmisohje puhul, võib teisi meetodeid kasutada eeldusel, et nende puhul on olemas asjakohane toimiv suhe põhimeetodiga.  
Identne: EN 1744-1:2009

**prEVS-EN 302 755 V1.1.1:2009**  
**Digitaaltelevisioon (DVB). Teise põlvkonna digitaalse maapealse televisiooniringhäälingu süsteemi (DVB-T2) kaadristruktuur, kanalikodeerimine ja modulatsioon**

Standard kirjeldab teise põlvkonna maapealse digitaaltelevisiooni ringhäälinguedastuse baassüsteemi. See kirjeldab digitaalsete televisiooniteenuste ja üldiste andmevoogude kanalikodeerimise/modulatsiooni süsteemi. Dokumendi käsitusala on järgmine: - see annab maapealse digitaaltelevisioonisüsteemi baassüsteemi üldise kirjelduse; - kirjeldatakse digitaalmoduleeritud signaali tagamaks erinevate tootjate poolt arendatud seadmestiku ühilduvus. See saavutatakse kirjeldades üksikasjalikult signaalitöötlust modulaatori poolel, samal ajal kui signaalitöötlus vastuvõtja poolel on jäetud avatuks erinevatele teostuslahendustele. Siiski on selles tekstis vajalik viidata teatud vastuvõtuaspektidele.  
Identne: EN 302 755 V1.1.1:2009

**prEVS-EN 61400-21:2008**  
**Elektrituulikud. Osa 21: Elektrivõrguga ühendatud elektrituulikute elektri kvaliteedi näitajate mõõtmine ja hindamine**

Standardi IEC 61400 see osa sisaldab:  
• elektrivõrguga ühendatud elektrituuliku elektri kvaliteedi iseloomustamiseks tarvilike suuruste mõisteid ja määratlusi;  
• näitajate määramiseks tarvilikke mõõtmiste protseduure;  
• protseduure elektri kvaliteedi nõuete vastavuse hindamiseks, sealhulgas hinnangut konkreetsele asukohta, võimalik et gruppina paigaldatava elektrituuliku tüübi mõjust elektri kvaliteedile.  
Mõõtmiste protseduurid kehtivad kolmefaasilist võrguühendust omavale ühele elektrituulikule. Mõõtmiste protseduurid

kehtivad mistahes võimsustega elektrituulikutele, ehkki standardi IEC 61400 käesolev osa nõuab ainult keskpinge ja kõrgepinge ühisliitumispunktidest mõeldud elektrituulikute tüüpide katsetamist ja kirjeldamist standardi IEC 61400 käesolevas osas määratletud viisil.

Mõõdetud näitajad kehtivad ainult hinnatava elektrituuliku tüübi kindlal konfiguratsioonil ja talitluse juhtimisviisil. Teistsugused konfiguratsioonid, sealhulgas muudetud juhtimissignaaliid, mis põhjustavad elektrituuliku teistsugust käitumist elektri kvaliteedi suhtes, vajavad eraldi hinnangut. Mõõtmiste protseduurid on välja töötatud olemaks nii sõltumatud konkreetset asukohast kui võimalik, seega nii, et elektri kvaliteedi näitajad, mis on mõõdetud näiteks katsepolügonil võib lugeda kehtivateks ka teistes kohtades.

Identne: IEC 61400-21:2008; EN 61400-21:2008

**prEVS-EN 61439-1:2009**  
**Madalpingelised aparaadikoosted. Osa 1: Üldreeglid**

MÄRKUS 1 Selles standardis kasutatakse terminit KOOSTE (vt 3.1.1) madalpingelise aparaadikooste tähenduses.

IEC 61439 see osa annab madalpingeliste aparaadikoostete määratlused ja kehtestab nende talitusolud, ehitusnõuded, tehnilised karakteristikud ja kontrollimise nõuded.

Standard haarab järgmisi madalpingelisi aparaadikoosteid (KOOSTEID) vaid juhul kui see on nõutav vastava koostandardiga:

- KOOSTED, mille vahelduvvoolu nimipinge ei ületa 1000 V ja alalisvoolu nimipinge ei ületa 1500 V;
- ümbrisega või ümbriseta kohtkindlad või teisaldatavad KOOSTED;
- Elektrienergia genereerimise, edastamise, jaotamise ja muundamisega ning elektritarvitite juhtimisega seotud KOOSTED;
- Eritalitlusoludes, nt laevadel, rööbassõidukitel, plahvatusohtlikus keskkonnas või kodumajapidamises (mittepädevate isikute poolt käsitletavat) kasutamiseks projekteeritud KOOSTED kui asjakohased erinõuded on olemas;

Märkus 2. Laevade KOOSTETELE esitatavad lisanõuded on kaetud standardiga IEC 60092-302.



Märkus 3. Plahvatusohtlikus keskkonnas talitlevatele KOOSTETELE esitatavad lisanõuded on kaetud standardisarjadega IEC 60079 ja IEC 61241.

Identne: IEC 61439-1:2009; EN 61439-1:2009

### **prEVS-EN ISO 13370:2008**

#### **Hoonete soojuslik toimivus. Soojuslevi pinnasesse. Arvutusmeetodid**

Rahvusvahelises standardis on esitatud arvutusmeetodid pinnasega soojuslikus kontaktis olevate piirdetarindite, kaasa arvatud pinnasel asuvad põrandad, põrand välisõhu kohal (EE märkus: alt tuulutatav põrand) ja keldrid, soojusjuhtivuse ja soojusvoo arvutamiseks. See hõlmab ehituselemente või nende osi, mis asuvad madalamal piirnevat horisontaaltasandit: - pinnasel ja välisõhu kohal asuvate põrandate puhul põranda sisetasapind.

Märkus. Teatud puhkudel on sisepinna piiriks põrandaplaadi aluspind. - köetavate keldrite puhul maapinna välise tasandini.

Selles rahvusvahelises standardis olevate arvutuste puhul on lähtutud soojuslevist püsivates tingimustes (aasta keskmine soojusvoog) ja arvestatud on ka aastaste perioodiliste temperatuurimuutustega (soojusvoogude hooajalised erinevused aasta keskmise väärtuse suhtes). Nimetatud hooajaliste erinevuste arvutamine toimub kuude lõikes ja kui lisas D antud dünaamiline simulatsiooniprogramm välja arvata, ei hõlma antud rahvusvaheline standard lühemaid ajavahemikke.

Identne: ISO 13370:2007; EN ISO 13370:2007

### **prEVS-EN ISO 5817:2007**

#### **Keevitus. Tera, nikli, titaani ja nende sulamite sulakeevitusliited**

#### **(kiirguskeevituse meetodid välja arvatud).**

#### **Kvaliteeditasemed keevitusdefektide järgi**

(ISO 5817:2003 parandatud versioon:2005, koos parandusega Corr 1:2006)

Standard esitab kvaliteeditasemed keevitusdefektide järgi sulakeevitatud keevitusliidetes (välja arvatud kiirguskeevitus) kõikidele teraste, nikli, titaani ja nende sulamite tüüpidele. Seda rakendatakse materjali paksustel üle 0,5 mm. Standard hõlmab täielikult läbikeevitatud põkkõmblusi ja nurkõmblusi. Standardi põhimõtteid võib samuti kasutada osalise läbikeevitusega põkkõmbluste korral. Kiirguskeevituse meetoditega valmistatud keevitusliidete

kvaliteeditasemed on toodud standardis ISO 13919-1. Välja pakutud kolm kvaliteeditaset on antud selliselt, et nad võimaldavad hõlmata laia keevitustoodete valmistusala. Kvaliteeditasemed on tähistatud tähtedega B, C ja D. Kvaliteeditase B vastab lõpetatud keevisõmbluse kõige kõrgematele nõuetele. Kvaliteeditasemed on seotud toodangu kvaliteediga ja mitte valmistatud toote eesmärgi vastavuse (fitness-for-purpose) nõuetega (vt punkt 3.2).

Rahvusvaheline standard laieneb: - legeerimata ja legeerterastele; - niklile ja nikli sulamitele; - titaanile ja titaani sulamitele; - käsi, mehaniseeritud ja automatiseeritud keevitusprotsessidele; - kõikidele keevisõmbluste asenditele; - kõikidele põkkõmbluste, nurkõmbluste ja hargmikliidete tüüpidele; - järgmistele keevitusprotsessidele ja alaprotsessidele vastavalt standardi ISO 4063 tunnusnumbritele: 11 kaarkeevitus metal-elektroodiga ilma kaitsegaasita, elektrood-keevitus; 12 kaarkeevitus rübustis(rübusti all); 13 kaarkeevitus kaitsegaasis; 14 kaarkeevitus kaitsegaasis sulamatu elektroodiga; 15 plasmakaarkeevitus; 31 gaaskeevitus (ainult terastele). Standard ei käsitle keevitamise metallurgilisi aspekte nagu metalli tera suurus ja kõvadus.

Identne: ISO 5817:2003, corrected version:2005, including Technical Corrigendum 1:2006; EN ISO 5817:2007

### **prEVS-EN 60044-1:2002+A2:2003**

#### **Mõõtetrafod. Osa 1: Voolutrafod**

Standardi IEC 60044 see osa kehtib uutele toodetud voolutrafodele, mis on ette nähtud kasutamiseks koos elektriliste mõõtevahendite ja elektriliste kaitseesadmetega sagedustel 15 Hz kuni 100 Hz. Kuigi see standard laieneb otseselt eraldatud mähistega trafodele, siis on see sobivusel rakendatav ka autotrafodele. Standard ei kehti laboritrafodele. Lisaks jaotistes 3 ja 10 toodule katab jaotis 11 ka nõudeid ja katsetusi, mis on vajalikud elektrimõõteriistadega koos kasutamiseks ette nähtud voolutrafodele.

Identne: ISO 23081-2:2009

### **prEVS-ISO 23081-2**

#### **Informatsioon ja dokumentatsioon.**

#### **Dokumendihaldusprotsessid. Dokumentide metaandmed. Osa 2: Kontseptuaalsed ja rakenduslikud küsimused**

ISO 23081 see osa kehtestab metaandme-elementide määratlemise raamistiku kooskõlas standardis ISO 23081-1 esitatud põhimõtete ja rakenduskaalutlustega. Raamistiku eesmärk on: a) võimaldada dokumentide ja dokumentide jaoks oluliste kontekstiolemite standardset kirjeldamist, b) kujundada ühtne arusaam kindlatest koondamistasanditest, et võimaldada dokumentide ja informatsiooni koostalitust organisatsiooni erinevate süsteemide vahel ja c) võimaldada dokumendihalduse metaandmete taaskasutamist ja standardimist ajas, ruumis ja

erinevates rakendustes. Lisaks määratletakse mõned olulised otsustuskohad, millega on vaja tegeleda ja mida dokumenteerida, et dokumendihalduse metaandmete kasutuselevõtt oleks võimalik. Selle eesmärk on: - määratleda küsimused, millega on vaja tegeleda dokumendihalduse metaandmete kasutusele võtmisel, - määratleda ja selgitada erinevaid võimalusi nende küsimustega tegelemiseks ning - määratleda erinevad otsustamisteed ja valikud dokumendihalduse metaandmete kasutusele võtmisel.  
Identne: ISO 23081-2:2009

## ETTEPANEK EESTI STANDARDI TÜHISTAMISEKS

Arvamuse esitamise viimane tähtaeg on **01.11.2010**, eriarvamuse puudumisel **tühistatakse loetletud standardid**. Lisainfo EVS standardiosakonnast ([standardiosakond@evs.ee](mailto:standardiosakond@evs.ee)).

### **EVS-ISO 10526:2003**

#### **CIE standard illuminants for colorimetry**

This International Standard specifies two illuminants for use in colorimetry. The illuminants, which are defined in clauses 4 and 5 of this International Standard, are as follows a) CIE standard illuminant A; b) CIE standard illuminant D65

(Tühistatud alusdokument ISO 10526:1999, asendab ISO 11664-2:2007)

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

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

Rahvusvaheline standard on rakendatav järgmistele eritüüpi roomik- ja rataskulgmikuga mullatöömashinatele (vt ka lisasid): ekskavaatorid (hüdraulilised või trossjuhtimisega), buldoosid, laadurid ja vastukopplaadurid (mis on tuntud ka laadurekskavaatoritena).

(Tühistatud alusdokument ISO 6395:1988+A1:1996 "Acoustics - Measurement of exterior noise emitted by earth-moving machinery - Dynamic test conditions, asendab ISO 6395:2008)

### **EVS-ISO 1496-2:2003 ja selle muudatus EVS-ISO 1496-2:2003/A1:2006**

#### **Series 1 freight containers - Specification and testing - Part 2: Thermal containers**

This part of ISO 1496 lays down the basic specifications and testing requirements for ISO series 1 thermal containers which are suitable for international exchange and for conveyance by road, rail and sea, including interchange between these forms of transport.

(Tühistatud alusdokumendid ISO 1496-2:1996 ja ISO 1496-2:1996/A1:2006, asendab ISO 1496-2:2008)

### **EVS-ISO 5496:2001**

#### **Sensoorne analüüs. Metoodika. Assessorite vastuvõtmine ja koolitamine lõhnade tajumiseks ja äratundmiseks**

Standard kirjeldab erinevaid meetodeid assessorite võimete määramiseks ning lõhnalevitavate toodete identifitseerimise ja kirjeldamise koolitamiseks. Selles standardis kirjeldatud meetod on sobiv kasutamiseks toiduainetööstuses ja tööstuses, mis rakendab olfaktoorse analüüsi (nt parfümeeria, kosmeetika ja aroomid).

(Tühistatud alusdokument ISO 5496:1992 „Sensory analysis. Methodology. Initiation and training of assessors in the detection and recognition of odours“, asendab ISO 5496:2006)

#### **EVS-ISO 5658-2:2005**

##### **Reaction to fire tests - Spread of flame - Part 2: Lateral spread on building products in vertical configuration**

This part of ISO 5658 specifies a method of test for measuring the lateral spread of flame along the surface of a specimen of a product orientated in the vertical position. It provides data suitable for comparing the performance of essentially flat materials, composites or assemblies, which are used primarily as the exposed surfaces of walls.

(Tühistatud alusdokument ISO 5658:1996, asendab ISO 5658-2:2006)

#### **EVS-ISO 7001:2004 ja selle muudatus EVS-ISO 7001:2004/A1:2004**

##### **Public information symbols**

This International Standard specifies the image content of graphical symbols used for the information of the public.

(Tühistatud alusdokument ISO 7001:1990, asendab ISO 7001:2007).

#### **EVS-ISO/IEC 10373-7:2007**

##### **Identifitseerimiskaardid. Katsemeetodid. Osa 7: Lähitoimekaardid**

Standard defineerib katsemeetodid identifitseerimiskaartide karakteristikute katsemeetodid vastavalt ISO/IEC 7810 standardis antud definitsioonile. Iga katsemeetod on ristviitega seotud ühe või enama põhistandardiga, mis võib olla ISO/IEC 7810 või üks või enam lisastandardit, mis defineerivad identifitseerimiskaardi rakendustes kasutatavad infosalvestustehnoloogiad.

(Tühistatud alusdokument ISO/IEC 10373-7:2001 „Identification cards — Test methods — Part 7: Vicinity cards“, asendab ISO/IEC 10373-7:2008).

## **TÜHISTATUD EESTI STANDARDID**

Standardite tühistamise aluseks Sotsiaalministeeriumi otsus (16.07.2010) ja tühistamise teade EVS Teatajas(07/2010):

#### **EVS-ISO 1996-2:2006**

Acoustics - Description and measurement of environmental noise; Part 2 : Acquisition of data pertinent to land use (tühistatud alusdokument ISO 1996-2:1987)

#### **EVS-ISO 1996-2:2006/A1:2006**

Acoustics — Description and measurement of environmental noise — Part 2: Acquisition of data pertinent to land use Amendment 1 (tühistatud alusdokument ISO 1996-2:1987/Amd.1:1998)

#### **EVS-ISO 1996-3:2006**

Acoustics - Description and measurement of environmental noise - Part 3 : Application to noise liimits (tühistatud alusdokument ISO 1996-3:1987)

Standardite tühistamise aluseks EVS/TK 17 otsus (30.09.2010):

#### **EVS-IEC 60605-3-1:2006**

Equipment reliability testing. Part 3: Preferred test conditions. Indoor portable equipment - Low degree of simulation (tühistatud alusdokument IEC 60605-3-1:1986)

#### **EVS-IEC 60605-3-2:2006**

Equipment reliability testing. Part 3: Preferred test conditions. Equipment for stationary use in weatherprotected locations - High degree of simulation (tühistatud alusdokument IEC 60605-3-2:1986)

**EVS-IEC 60605-3-4:2006**

Equipment reliability testing - Part 3: Preferred test conditions - Section 4: Test cycle 4: Equipment for portable and non-stationary use - Low degree of simulation (tühistatud alusdokument IEC 60605-3-4:1992);

**EVS-IEC 60706-1:2006**

Guide on maintainability of equipment. Part 1 - Sections One, Two and Three. Introduction, requirements and maintainability programme“(alusdokument IEC 60706-1:1982 ja selle uustöötlus IEC 60706-1:2006 tühistatud).

## **ALGUPÄRASE STANDARDI KEHTIVUSE PIKENDAMINE**

Pikendatakse järgmiste Eesti standardite kehtivust viieks aastaks, järgmine ülevaatus 01.10.2015:

**EVS 886-1:2005**

Lõhnaainete hajumine atmosfääris. Osa 1: Põhialused

**EVS 887-1:2005**

Lõhnade mõju ja selle hindamine. Osa 1: Lõhnahäiringu psühhomeetriline hindamine. Küsimustikud

**EVS 887-2:2005**

Lõhnade mõju ja selle hindamine. Osa 2: Häirivate omaduste väljaselgitamine küsitluse teel

**EVS 888:2005**

Lõhnaainete määramine välisõhus välimõõtmiste teel

Kehtivuse pikendamise aluseks EVS/TK 28 otsus (29.09.2010) ja algupärase Eesti standardi ülevaate tulemus (teade EVS Teatajas 06/2010).

## **SEPTEMBRIKUUS KOOSTATUD EESTIKEELSE STANDARDI PARANDUSED**

Selles jaotises avaldame teavet eestikeelsete Eesti standardite paranduste koostamise kohta. Standardi parandus koostatakse toimetusalade viigade (trükivead jms) kõrvaldamiseks standardist. Eesti standardi paranduse tähis koosneb standardi tähisest ja selle lõppu lisatud tähtedest AC.

Nt standardile EVS XXX:YYYY tehtud parandus kannab eraldi avaldatuna tähist EVS XXX:YYYY/AC:ZZZZ.

Koostatud standardi parandused on leitavad ja allalaetavad EVS veebilehel asuvast ostukorvist. Vajadusel avaldatakse koos standardi parandusega ka Eesti standardi parandatud väljaanne, mille teksti on parandus sisse viidud. Parandatud standardi tähis reeglina ei muutu.

**Koostatud eestikeelsed parandused ja konsolideeritud standardid:****EVS-EN 1995-1-2:2005/AC:2009**

Eurokoodeks 5: Puitkonstruktsioonide projekteerimine. Osa 1-2: Üldreeglid. Tulepüsivusarvutus

**EVS-EN 1993-1-2:2006/AC:2009**

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 1-2: Üldeeskirjad. Tulepüsivusarvutus

**EVS-EN 1991-1-5:2004/AC:2009**

Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 1-5: Üldkoormused. Temperatuurikoormus

**EVS-EN 1991-1-4:2005/AC:2010**

Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 1-4: Üldkoormused. Tuulekoormus

**EVS-EN 1996-1-1:2005/AC:2009**

Eurokoodeks 6: Kivikonstruksioonide projekteerimine. Osa 1-1: Üldreeglid sarrustatud ja sarrustamata kivikonstruksioonide projekteerimiseks

## SEPTEMBRIKUUS KINNITATUD JA OKTOOBRIKUUS MÜÜGILE SAABUNUD EESTIKEELSE STANDARDID

**EVS-EN 62052-11:2003**

**Elektrimõõteseadmed vahelduvvoolule. Üldnõuded, katsetused ja katsetingimused. Osa 11. Arvestid 243.-**

Eesti standard on Euroopa standardi EN 62052-11:2003 "Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment" ingliskeelse teksti identne tõlge eesti keelde.

Standard IEC 62052 kehtib uutele toodetud välis- ja sisepaigaldusega elektrienergia mõõtmise arvestitele, mis on ette nähtud kasutamiseks 50 Hz ja 60 Hz ahelates pingega kuni 600 V. Standard määratleb üldnõuded ja tüübikatsete meetodid.

Standard laieneb nii sise- kui välispaigalduse elektromeaanilistele ja staatilistele energiaarvestitele, mis sisaldavad korpusega ümbritsetud mõõteelementi ja registr(eid)it. See laieneb samuti kontrollväljundi(te)le ja tööindikaatori(te)le. Kui arvesti omab mõõteelemente rohkem kui ühele energiatüübile (multi-energiaarvestid) või kui ta sisaldab teisi funktsionaalseid elemente, nagu maksimaalkoormuse indikaatoreid, elektroonseid tariifregistreid, lülituskellasid, kaugjuhtimisvastuvõtjaid, andmeedastuse sobituselemente jne, mis kõik on samas arvestikorpuses (multifunktsionaalsed arvestid), siis rakenduvad nendele elementidele (sõlmedele) asjaomased standardid.

Standard ei laiene:

- a) kaasaskantavatele arvestitele;
- b) arvesti andmeedastussüsteemidele (*interfaces*);

c) etalonarvestitele.

Standardi mehaaniliste konstruksiooniomaduste nõuded ei laiene raam(liist)-paigaldusega arvestitele.

**EVS-EN 14275:2003**

**Mootorikütused. Mootoribensiini ja diislikütuse kvaliteedi hindamine. Proovide võtmine kütusepumpadest ja tankuritest 114.-**

Eesti standard on Euroopa standardi EN 14275:2003 "Automotive fuels - Assessment of petrol and diesel fuel quality - Sampling from retail site pumps and commercial site fuel dispensers" ingliskeelse teksti identne tõlge eesti keelde.

Standard määratleb meetodika tankuritest mootoribensiini ja diislikütuse proovide võtmiseks mootorikütuse kvaliteedi hindamiseks vastavalt standardile EN 14274. Standard ei käsitle proovivõttu vedelgaasist (LPG).

MÄRKUS Mootoribensiini proovide võtmisel on proovinõude ettevalmistamisel ja transpordil soovitatav järgida jaotise 6 märkuse juhiseid.

TÄHELEPANU! Standardi järgimine võib eeldada kokkupuudet ohtlike materjalide, toimingute ja seadmetega. Standard võimalikke ohutusküsimusi ei käsitle. Asjakohaste tervisekaitse- ja ohutusvõtete rakendamine ja kehtivate piirangute kontrollimine on standardi kasutaja kohustus.

### **EVS-ISO 4832:2010**

#### **Toidu ja loomasöötade mikrobioloogia. Horisontaalmeetod coli-laadsete arvuliseks määramiseks. Kolooniade loendamise meetod 80.-**

Eesti standard on rahvusvahelise standardi ISO 4832:2006 "Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coliforms - Colony-count technique" ingliskeelse teksti identne tõlge eesti keelde.

Rahvusvaheline standard annab *coli*-laadsete mikroorganismide arvulise määramise põhijuhised. Standard on rakendatav:

- toiduks kasutatavatele toodetele ja loomasöötadele ning
- keskkonnaproovidele toidu tootmise ja toidu käitlemise piirkonnas
- kolooniade loendamise tehnikaga pärast tardsöötmetel kasvatamist 30 °C või 37 °C juures.

**MÄRKUS** Temperatuuri lepivad kokku asjahuvilised osapooled. Piima ja piimatoodete korral on inkubeerimistemperatuuriks 30 °C.

Seda meetodit soovitatakse kasutada siis, kui eeldatav kolooniade arv milliliitris või grammis katseproovis on üle 100.

### **EVS-ISO 18593:2010**

#### **Toidu ja loomasöötade mikrobioloogia. Pindadelt kontaktplaatide ja tamponidega proovivõtu horisontaalmeetodid 92.-**

Eesti standard on rahvusvahelise standardi ISO 18593:2004 "Microbiology of food and animal feeding stuffs - Horizontal methods for sampling techniques from surfaces using contact plates and swabs" ingliskeelse teksti identne tõlge eesti keelde

Rahvusvaheline standard määratleb horisontaalmeetodid proovivõtutehnikateks toidutööstuse keskkonna pindadelt (ja toidutöötlemisseadmetelt) eesmärgiga avastada või loendada elusaid mikroorganisme, kasutades kontaktplaatide või tampoone.

**MÄRKUS** Termin "keskkond" tähendab igat kokkupuutepunkti toiduga või tõenäoliselt esindab saastumise või korduva saastumise allikat, näiteks materjali, ruume, töötajaid.

### **EVS-ISO 21527-1:2009**

#### **Toidu ja loomasöötade mikrobioloogia. Pärmide ja hallituste loendamise horisontaalmeetod. Osa 1: Kolooniade loendamise tehnika toodetes, mille veeaktiivsus on suurem kui 0,95 92.-**

Eesti standard on rahvusvahelise standardi ISO 21527-1:2008 "Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 1: Colony count technique in products with water activity greater than 0,95" ingliskeelse teksti identne tõlge eesti keelde.

Standardi ISO 21527 see osa määratleb horisontaalmeetodi elujõuliste pärmide ja hallituste loendamiseks toidus ja loomasöötades, mille veeaktiivsus on suurem kui 0,95 [munad, liha, piimatooted (välja arvatud piimapulber), puuviljad, köögiviljad, värsked tainad jms] 25 °C ± 1 °C juures (viited [1], [2]) kasvatatud kolooniade loendamise tehnikaga.

Standardi ISO 21527 see osa ei võimalda loendada hallituste eoseid. Standardi käsitluselasse ei jää ka seenfloora identifitseerimine ega ka mükotoksiinide uurimine toidus. Standardi ei sobi termoresistentsete seente (nagu *Byssochlamys fulva* või *Byssochlamys nivea*) loendamiseks konserveeritud või pudelisse villitud puu- ja köögiviljades.

### **EVS-ISO 21527-2:2009**

#### **Toidu ja loomasöötade mikrobioloogia. Pärmide ja hallituste loendamise horisontaalmeetod. Osa 2: Kolooniade loendamise tehnika toodetes, mille veeaktiivsus on väiksem või võrdne 0,95 105.-**

Eesti standard on rahvusvahelise standardi ISO 21527-2:2008 "Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds - Part 2: Colony count technique in products with water activity less than or equal to 0,95" ingliskeelse teksti identne tõlge eesti keelde.

Standardi ISO 21527 see osa määratleb horisontaalse meetodi elujõuliste osmofiilsete pärmide ja kserofiilsete hallituste loendamiseks toidus ja loomasöötades, milles veeaktiivsus on väiksem või võrdne 0,95-ga (kuivatatud puuviljad, koogid, moosid, kuivatatud liha, soolatud kala, teraviljad ja teraviljatooted, jahud, pähklid, vürtsid ja maitseained jne [lisa A]), 25 °C ± 1 °C juures kasvatatud kolooniade loendamise tehnikaga.

Standardi ISO 21527 see osa ei kohaldu dehüdreeritud (kuivatatud) toodetele, mille veeaktiivsus on väiksem või võrdne 0,60-ga (kuivatatud teravili, õlitooted, vürtsid, liblikõielised taimed, seemned, joogipulbrid,

koduloomade kuivtoidud jms) ja ei võimalda hallitussente eoste loendamist (viide [3]). Standardi käsitusallas ei jää ka seenfloora identifitseerimine ega ka mükotoksiinide uurimine toidus. Standardis määratletud meetod ei sobi halofiilsete kserofiilsete seente (nt *Polypaecilum pisce*, *Basipetospora halophila*) loendamiseks, mida võib leida kuivatatud kalas.

#### **EVS-EN 50131-1:2006+A1:2009**

#### **Häiresüsteemid. Sissetungi- ja paanikahäire süsteemid. Osa 1: Üldnõuded 243.-**

Eesti standard on Euroopa standardi EN 50131-1:2006 „Alarm systems - Intrusion and hold-up systems - Part 1: System requirements” ja selle muudatuse A1:2009 ingliskeelse teksti konsolideeritud identne tõlge eesti keelde

Standard sätestab nõuded sissetungi- ja paanikahäire süsteemidele, mis on paigaldatud hoonetesse, kus kasutatakse ainuotstarbelisi või mitmeotstarbelisi juhtmestatud või juhtmeteta komponentidevahelisi ühendusi. Nõuded kehtivad ka sellistele hoonesse paigaldatud I&HAS-süsteemi komponentidele, mis on tavaliselt paigaldatud hoone välistarindile, näiteks abijuhtimisseade või häireseadmed. Standard ei sisalda nõudeid välistele I&HAS-süsteemidele.

Standard sätestab toimimisenõuded paigaldatud I&HAS-süsteemidele, kuid ei sisalda nõudeid projekteerimisele, planeerimisele, paigaldamisele, käidule või hooldusele.

#### **EVS 875-12:2010**

#### **Vara hindamine. Osa 12: Hindamine hüvitamise eesmärgil 178.-**

Standardiseeria EVS 875 käsitleb vara hindamist. Standardite kasutusala on vara hindamise ja hinnangute kasutamise seotud tegevused, eelkõige laenuatagatiste 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. Selles standardis EVS 875-12 “Vara hindamine. Osa 12: Hindamine hüvitamise eesmärgil” on esitatud hindamise põhimõtted hüvitamisel. Hüvitamise vajadus võib tekkida

seonduvalt sundvõõrandamise, kindlustuse kahjukäsitluste jms juhtumitega. Standard keskendub küsimustele, mis on seotud avalike huvide teostamisega ja ei anna detailseid juhtnõore hüvitusväärtuse leidmiseks muid hindamise eesmäärke silmas pidades.

#### **EVS 746:2010**

#### **Tükikauba koguse mõõtmine.**

#### **Mõõtemetoodika 114.-**

Eesti standard on standardi EVS 746:1998 uustöötlus.

Standardi uustöötlus on tehtud seoses standardi EVS 758:2009 kehtestamisega, ebakõlade kõrvaldamisega senises versioonis aga ka seoses tervise-, töö-, riigi järelevalvetevõtte ja keskkonnakaitse alase seadusandlusega.

Eesti standard käsitleb kauba koguse mõõtmist tükikauba loendamise teel ning (vajadusel) tükikauba kaubapartii kogumassi või -mahu väärtuse ja selle mõõtemääramatuse arvutamist tükikauba massi või mahu väärtuste põhjal.

Standardi mõõtemetoodika kirjeldab tükikauba loendamist, kaubapartii kogumassi või -mahu väärtuse arvutamist ladudes, kauplustes, müügitehingutes, tollis ja muudel analoogilistel juhtudel.

Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi ja mahu mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes.

#### **EVS 745:2010**

#### **Kauba ja materjali massi mõõtmine kaalumiseega. Mõõtemetoodika 198.-**

Eesti standard on standardi EVS 745:1998 uustöötlus.

Standardi uustöötlus on tehtud seoses standardi EVS 758:2009 kehtestamisega, ebakõlade kõrvaldamisega senises versioonis aga ka seoses tervise-, töö- ja keskkonnakaitse-alase seadusandlusega.

Eesti standard käsitleb kauba ja materjalide massi mõõtmist kaalu abil ning saadud mõõdistest massi ja mõõteobjekti tiheduse tabeliandmete põhjal mahu mõõtetulemuse ja selle mõõtemääramatuse arvutamist.

Standardi mõõtemetoodika kirjeldab kauba, materjalide massi ja mahu mõõtmist kaalu abil ladudes, kauplustes, tollis, müügitehingutes ja muudel analoogilistel juhtudel.

Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes ning sõidukite massi (või teljekoormuse) kontrollimisel.

#### **EVS-EN 13481-8:2006**

##### **Raudteelased rakendused. Rööbastee.**

##### **Nõuded rööpakinnitussüsteemide**

##### **tööomadustele. Osa 8: Suure**

##### **teljekoormusega rööbastee**

##### **rööpakinnitussüsteemid 114.-**

Eesti standard on Euroopa standardi EN 13481-8:2006 "Railway applications - Track - Performance requirements for fastening systems - Part 8: Fastening systems for track with heavy axle loads" ingliskeelse teksti identne tõlge eesti keelde.

Standard on rakendatav betoon-, puit- ja terasliiprite rööpakinnitussüsteemide suhtes, mis on mõeldud kasutamiseks peatee ballastiga rööbasteel, mille kõverikud on suurema raadiusega kui 80 m ning millele mõjuvad teljekoormused ei ole suuremad kui 350 kN.

Nõuded kehtivad järgmiste rööpakinnitussüsteemide kohta:

- otse- ja kaudkinnitussüsteemid;
- standardites EN 13674-1 ja EN 13674-4 käsitletud rööpaprofiilide kinnitussüsteemid.

Standard ei ole rakendatav muude rööpaprofiilide kinnitussüsteemide, jäikade kinnitussüsteemide ega poltliidete ühenduskohtades kasutatavate erikinnitussüsteemide suhtes. Standard on kasutatav üksnes täieliku kinnituskoostu tüübi-kinnituseks.

#### **EVS-EN 1991-1-**

#### **4:2005/A1:2010+A1:2010/NA:2010**

##### **Eurokoodeks 1: Ehituskonstruksioonide**

##### **koormused. Osa 1-4: Üldkoormused.**

##### **Tuulekoormus. Muudatus A1. Eesti standardi rahvuslik lisa 105.-**

Eesti standard on Euroopa standardi muudatuse EN 1991-1-4:2005/A1:2010 "Eurocode 1 – Actions on structures – Part 1-4: General actions. Wind actions. Amendment A1" ingliskeelse teksti identne tõlge eesti keelde.

Eesti standard sisaldab rahvuslikku lisa NA.

#### **EVS-EN 1991-1-4/A1:2010/NA:2010**

##### **Eurokoodeks 1: Ehituskonstruksioonide koormused. Osa 1-4: Üldkoormused.**

##### **Tuulekoormus. Eesti standardi rahvuslik lisa 80.-**

Eesti standard on Euroopa standardi muudatuse EN 1991-1-4:2005/A1:2010 "Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions" Eesti rahvuslik lisa, mis sisaldab rahvuslikult määratud parameetreid (NDP) ja protseduure, mida tuleb kasutada koos standardiga EVS-EN 1991-1-4:2005+NA:2007 ja selle muudatusega EVS-EN 1991-1-4:2005/A1:2010 nende konstruksioonide projekteerimisel, mida püstitatakse Eestis.

#### **EVS-EN 1060-3:1997+A2:2009**

##### **Mitteinvasiivsed sfügmomanomeetrid. Osa**

##### **3: Lisanõuded elektromehaaniliste**

##### **vererõhu mõõtesüsteemidele 178.-**

Eesti standard on Euroopa standardi EN 1060-3:1997+A2:2009

"Non-invasive sphygmomanometers - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems" ingliskeelse teksti identne tõlge eesti keelde.

See osa standardist EN 1060 määratleb sooritusvõime, tõhususe ja ohutuse nõuded elektro-mehaanilistele vererõhu mõõtesüsteemidele, mida kasutatakse arteriaalse vererõhu mitteinvasiivseks mõõtmiseks täispuhutava manseti abil õlavarrel, randmel või reiel. Standard määratleb samuti nõuded lisaseadmetele ja esitab katsemeetodid.

See osa standardist EN 1060 rakendub elektromehaanilistele vererõhu mõõtesüsteemidele, milles mansetirõhku mõõdetakse elektroonselt, kuid vererõhk määratakse kas käsitsi stetoskoobi abil või automaatselt. Täiendavad ohutusnõuded automaatselt tsükliliselt toimivatele vererõhu kaudse jälgimise seadmetele on määratletud standardis EN 60601-2-30:1995.

Kolmandat osa standardist EN 1060 tuleb kasutada koos standardiga EN 1060-1.

#### **EVS-EN 12697-2:2003+A1:2007**

##### **Asfaltsegud. Kuuma asfaltsegu**

##### **katsemeetodid. Osa 2: Terastikulise koostise määramine 105.-**

Eesti standard on Euroopa standardi EN 12697-2:2002+A1:2007 "Bituminous mixtures - Test method for hot mix asphalt -



Part 2: Determination of particle size distribution” ingliskeelse teksti identne tõlge eesti keelde.

Euroopa standard määratleb asfaltsegude täitematerjalide terastikulise koostise määramise protseduuri sõelumise teel. See katsemeetod on rakendatav täitematerjalidele, mis on eraldatud sideaine ekstraheerimise käigus EN 12697-1 kohaselt.

Selle Euroopa standardi rakendatavus on kirjeldatud asfaltsegude tootestandardites.

**MÄRKUS** Katsetulemust mõjutavad kiudmaterjalid, (ekstraheerimise käigus mittelahustuvad) tahked lisandid ja (mõned) sideaine modifikaatorid.

### **EVS-EN 12697-8:2003**

#### **Asfaltsegud. Kuumas asfaltsegust katsemeetodid. Osa 8: Asfaltsegust proovikehade poorsusomaduste määramine 105.-**

Eesti standard on Euroopa standardi EN 12697-8:2003 “Bituminous mixtures - Test methods for hot mix asphalt - Part 8: Determination of void characteristics of bituminous specimens” ingliskeelse teksti identne tõlge eesti keelde.

See Euroopa standard kirjeldab tihendatud asfaltsegust proovikeha kahemahulise tunnuse - õhupooride sisalduse (poorsuse ehk jäävpoorsuse) ( $V_m$ ) ning pooride bituumeniga täidetuse astme (VFB) - arvutamise protseduure.

See meetod sobib laboris tihendatud proovikehadele või paigaldatud ja tihendatud kattest võetud puurproovidele. Neid mahulisi omadusi võib kasutada segu projekteerimise kriteeriumidena või paigaldatud ja tihendatud katte kvaliteedi näitajatena.

### **EVS-EN 60601-1-2:2007**

#### **Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused 356.-**

Eesti standard on Euroopa standardi EN 60601-1-2:2007 “Medical electrical equipment -- Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests” ja selle paranduse AC:2010 ingliskeelse teksti identne tõlge eesti keelde.

See rahvusvaheline standard kehtib elektriliste meditsiiniseadmete ja elektriliste meditsiinisüsteemide (edaspidi EM-seadmete ja EM-süsteemide) esmase ohutuse ja oluliste toimimisnäitajate kohta.

See kollateraalsandard kehtib EM-seadmete ja EM-süsteemide elektromagnetilise ühilduvuse kohta.

Kollateraalsandardi eesmärgiks on kirjeldada üldiseid nõudeid ja katsetusi EM-seadmete ja EM-süsteemide elektromagnetilise ühilduvuse tagamiseks. Need nõuded on esitatud lisaks põhistandardi nõuetele ja on aluseks eristandarditele.

### **EVS-EN 13829:2001**

#### **Hoonete soojuslik toimivus. Hoonepiirete õhupidavuse määramine. Ventilaatoriga survestamise meetod 116.-**

Eesti standard on Euroopa standardi EN 13829:2000 “Thermal performance of buildings - Determination of air permeability of buildings - Fan pressurization method” ingliskeelse teksti identne tõlge eesti keelde.

Standard on mõeldud hoone või hoone osade õhujuhtivuse mõõtmiseks välistingimustes. Standardis kirjeldatakse mehaanilisel teel ülevõi alarõhu tekitamist hoones või hoone osas. Lisaks kirjeldatakse tekitatud õhuvoolude mõõtmist erinevates muutumatutes sisevälisrõhu tingimustes.

Standard on mõeldud ühetsooniliste ehitiste piirete õhulekete mõõtmiseks. Standardi tähenduses on mitmetsoonilisi ehitisi lubatud käsitleda ühetsooniliste ehitistena, avades siseüksed või tekitades naabertsoonides võrdse rõhu. Standard ei käsitle üksikute piirdetarindite õhujuhtivuse mõõtmist.

### **EVS-EN 61557-10:2002**

#### **Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V.**

#### **Kaitseüsteemide katsetus-, mõõte- ja seireseadmed. Osa 10: Kombineeritud mõõteseadmed kaitseviiside katsetamiseks, mõõtmiseks ja seireks 92.-**

Eesti standard on Euroopa standardi EN 61557-10:2001 „Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 10: Combined measuring equipment for testing, measuring or monitoring

of protective measures” ingliskeelse teksti identne tõlge eesti keelde. IEC 61557 see osa sätestab nõuded kombineeritud mõõteseadmetele, mis

sisaldavad ühes aparatuuriühikus mitmeid mõõtefunktsioone ja -meetodeid mõnede või kõigi osades 2 kuni 7 käsitletud katsetuste, mõõtmiste ja seire sooritamiseks.

## SEPTEMBRIKUUS MUUDETUD STANDARDITE PEALKIRJAD

Selles jaotises avaldame infot Eesti standardite eestikeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.

Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest [enquiry@evs.ee](mailto:enquiry@evs.ee)

### Eesti standardite eesti keelde tõlgitud pealkirjade muutmine:

| Standardi tähis      | Muudetav pealkiri  | UUS pealkiri   |
|----------------------|--|--|
| EVS-EN ISO 354:1999  | Akustika. Helineeldumise mõõtmine reverberatsiooniruumis. Muudatus 1: Katsematerjali paigaldamine helineeldekatsete korral                     | Akustika. Helineeldumise mõõtmine reverberatsiooniruumis   |
| EVS-EN 62058-11:2010 | Vahelduvvoolu-elektrimõõteseadmed. Heakskiidukontroll. Osa 11: Heakskiidukontrolli üldmeetodid   | Vahelduvvoolu-elektriarvestusseadmed. Heakskiidukontroll. Osa 11: Heakskiidukontrolli üldmeetodid  |
| EVS-EN 62058-21:2010 | Vahelduvvoolu-elektrimõõteseadmed. Heakskiidukontroll. Osa 21: Erinõuded elektromehaanilistele aktiivenergiaarvestitele (klassid 0,5, 1 ja 2)  | Vahelduvvoolu-elektriarvestusseadmed. Heakskiidukontroll. Osa 21: Erinõuded elektromehaanilistele aktiivenergiaarvestitele (klassid 0,5, 1, 2, A ja B)     |
| EVS-EN 62058-31:2010 | Vahelduvvoolu-elektrimõõteseadmed. Heakskiidukontroll. Osa 31: Erinõuded staatilistele aktiivenergiaarvestitele (klassid 0,2 S, 0,5 S, 1 ja 2) | Vahelduvvoolu-elektriarvestusseadmed. Heakskiidukontroll. Osa 31: Erinõuded staatilistele aktiivenergiaarvestitele (klassid 0,2 S, 0,5 S, 1, 2, A, B ja C) |

### Eesti standardite ingliskeelsete pealkirjade tõlkimine eesti keelde:

| Standardi tähis       | Standardi pealkiri (en)  | Standardi pealkiri (et)  |
|-----------------------|--|--|
| EVS-EN ISO 11202:2010 | Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections | Akustika. Masinate ja seadmete müra. Töökoha ja muude määratud asukohtade helirõhutaseme määramine koos keskkonnaoludest tulenevate ligikaudsete korrigeeringude kohaldamisega           |
| EVS-EN 50271:2010     | Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen - Requirements and tests for apparatus using software and/or digital technologies                     | Elektriseadmed põlevate gaaside, toksiliste gaaside ja hapniku avastamiseks ja mõõtmiseks. Nõuded tarkvara ja/või digitaaltehnikat kasutavatele seadmetele ja nende seadmete katsetamine |

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Ostu saab sooritada meie koduleheküljel  
asuvast ostukorvis [www.evs.ee/POOD](http://www.evs.ee/POOD)