

EESTI STANDARDIKESKUS

# EV S T E A T A J A

11/2002

Ilmub üks kord kuus alates 1993. aastast

ISSN 1406-0698

ISO Peaassamblee  
Standardipäeva konverents  
Kõrgepinge TK loodud  
Võrdluskalibreerimine

EV S

## **EVS Teataja**

**EESTI STANDARDIKESKUSE**  
igakuine ametlik väljaanne

10. aastakäik  
ISSN 1406-0698

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**Trükk: Eesti Standardikeskus**

# EESTI UUDISED

## TOIMETAJA VEERG

4. septembril 2002 sõlmisid Eesti Standardikeskus ja Tallinna Tehnikaülikool koostöölepingu

EVS ja Tallinna Tehnikaülikooli Raamatukogu kohustuvad lepingu alusel tegema Tallinna Tehnikaülikoolis standardiinfo kättesaadavaks. Sel eesmärgil on TTÜ-le lepinguga ette nähtud soodustused standardite, EVS Teataja, standardite loetelu ja standardimist käsitlevate materjalide ostmisel.

TTÜ Raamatukogu kohustub enda käsutuses olevate vahenditega (näitused, infotahvlid, arvutivõrk, kodulehekülj jne) levitama teavet rahvusvaheliste, Euroopa ja Eesti standardite kohta.

8. - 11. oktoobrini toimus Lissabonis CEN Peaassamblee, mille tööst võttis osa EVS tegevdirektor Sven Kasemaa.

10. oktoobril avasid EVS ja Tallinna Tehnikaülikooli raamatukogu TTÜ peahoone fuajees näituse teemal "Standardid ja vastavushindamine". Näitus oli üleval 8. - 22. oktoobrini.

15. oktoobril toimus Standardikeskuse korraldusel seminar teemal "ISO 9001 väikeettevõtetele". Lektor oli Tauno-Jussi Onoper.

21. oktoobril tähistas Standardikeskus Ülemaailmset standardipäeva konverentsiga teemal "Standardid ja vastavushindamine" Rahvusraamatukogus. Vt lk 4

Ajavahemikul 24. - 25. oktoobrini külastas Eesti Standardikeskust Ivar Foss, kes esindas Ivar Foss Quality Management Ltd'i (IFQM). Visiit toimus Eesti-Norra bi-lateralse abiprojekti "Vabatahtliku standardimise ja koostöö arendamine Balti riikides" raames.

Käesoleva visiidi eesmärk oli pakkuda Eesti Standardikeskusele konsultatsioonilist tuge ISO 9001 järgse kvaliteedijuhtimissüsteemi planeerimisel ning hinnata sertifitseerimise hetkeseisu Eestis ning tulevikutrende. Ivar Foss Quality Management on Norras tunnustatud kvaliteediorganisatsioon, mis on lisaks ISO kvaliteedisüsteemile auditeerinud ka CEN/CENELEC täisliikme staatust taotlemaid organisatsioone. Visiidi jooksul toimusid kohtumised EVS juhtkonna ja spetsialistidega, mille käigus arutati kvaliteedijuhtimissüsteemi vajalikkust ning võimalusi EVS'is. Samas püüti kaardistada ka kvaliteedijuhtimise ja sertifitseerimise üldolukorda Eestis. Visiidi tulemusena määratleti EVSi olemasolevad protseduurid ning koostati esialgne kavand ISO 9001 järgse kvaliteedijuhtimissüsteemi juurutamiseks. Konsultatsioone on kavas jätkata 2003. aasta kevadel, kui EVS on esitanud taotluse CEN/CENELEC täisliikmelisuse saavutamiseks.

28. - 30. oktoobril Pekingis toimunud IEC Peaassamblee tööst võttis osa EVS tegevdirektor Sven Kasemaa.



Üheks paremaks näiteks standardite rakendamise kohta on vastavushindamine.

Kõik vastavushindamise tegevused toimuvad kindlate standardite järgi.

Teemal "Standardid ja vastavushindamine" korraldas Standardikeskus oktoobris Ülemaailmse standardipäeva tähistamiseks näituse Tallinna Tehnikaülikoolis ja konverentsi Rahvusraamatukogus. Nii näitusel kui konverentsil leidsid kajastamist vastavushindamise erinevad aspektid - standardimine, akrediteerimine, katsetamine ja sertifitseerimine ning nende omavahelised seosed. Konverentsist võtsid osa EVS lepingupartnerite ja tehniliste komiteede esindajad.

EVS tehniliste komiteede ritta on lisandunud veel üks, arvult 19. komitee "Kõrgepinge", mille kohta saate infot sellest numbrist. Euroopa Akrediteerimisfoorumi poolt tehtud võrdluskatsete kohta on avaldatud artikkel R. Laaneotsa ja L. Lillepea sulest.

Jätkuvad ka kõik tavapärased rubriigid - uudised, uued standardid, arvamusküsitlus, WTO teatiseid ja harmoneeritaks tunnustatud standardid. Viimast nimetatud on seekord manguasjade, isikukaitsevahendite ja elektromagnetilise ühilduvuse standardid.

Anne Laimets  
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Majandusministri 2.10.2002 määrusega nr 57 muudetakse Majandusministri 28. juuni 2002. a määrust nr 25 «Nõuded gaasi- ja abiseadmele, selle teabega varustamisele ja vastavusmärgi paigaldamisele» RTL, 2002, 115

Majandusministri 2.10.2002 määrusega nr 58 muudetakse Majandusministri 28. juuni 2002. a määrust nr 26 «Gaasi- ja abiseadme nõuetele vastavuse hindamise ja tõendamise kord ning nõuetele vastavuse hindamiseks ja tõendamiseks vajalikud vastavushindamise protseduurid» RTL, 2002, 115

Euroopa Komisjon avaldas 9. oktoobril järjekordsed eduaruanded Eesti ja teiste Euroopa Liidu kandidaatriikide kohta, soovitades neile lisatud koondaruandes lõpetada liitumisläbirääkimised kümne kandidaatriigiga aasta lõpuks. Lisaks Eestile said Komisjonilt soovitusi Küpros, Malta, Ungari, Poola, Slovakkia, Leedu, Läti, Tsehhi Vabariik ja Sloveenia.

Eduaruandes tunnistab Komisjon Eesti liitumissettevalmistused aastail 1997-2002 tulemuslikuks ning leiab, et Eesti peaks olema võimeline täitma liikmesriigi kohustusi kavandatud laienemise hetkest ehk 2004. aasta algusest. Euroopa Liidu liikmesriigid langetavad otsuse, milliste kandidaatriikidega kõnelused lõpule viia, Brüsseli tippkohtumisel 24. - 25. oktoobril.

Alates 1998. aastast on Komisjon eduaruannetes hinnanud iga kandidaatriigi poolt aasta jooksul tehtud edusamme. Selle aasta eduaruanne annab aga ka kokkuvõtliku hinnangu viie aasta - 1997 - 2002 - jooksul tehtule ning läbirääkimistel võetud kohustuste täitmisele.

Komisjon märgib Eesti üldist edu, mida on saavutatud nii viimase aasta jooksul kui ka viie aasta lõikes. Viimane aasta on veelgi kinnitanud, et Eesti täidab liitumise poliitilisi kriteeriume, hästi on edenenud õigussüsteemi reform.

Majanduskriteeriumide osas märgib Euroopa Komisjon, et turumajandus Eestis toimib ning et reformide jätkudes peaks Eesti suutma toime tulla ühisturu konkurentsitingimustes.

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## ISO 25. PEASSAMBLEE STOCKHOLMIS



Pildil: Raul Juhanson ja Sven kasemaa ISO Peassambleel

**Rahvusvahelise standardiorganisatsiooni ISO täis- ja kirjavahetajaliikmed kogunesid 23. – 28. septembril Stockholmis.** Iga-aastasel koosolekul osales 111 riigi ligikaudu 400 esindajat, kelle seas juba 10. korda ka delegaadid Eestist. Eesti on ISO kirjavahetajaliige alates jaanuarist 1993.

Kuna ISO 144-st liikmest on enam kui 100 arengumaad, siis oli seekordse peassamblee üheks keskseks teemaks arengumaade toetamine ja nende vajadused piisava standardimisstruktuuri loomisel. Teema on päevakorral olnud ka varasematel kogunemistel, kuid seoses infotehnoloogia kiire arenguga ja muudatustega ISO-s (näiteks elektroonsete dokumentide järjest aktiivsem kasutamine) on arengumaadel veelgi raskem osaleda tõhusalt standardimistegevuses. Olulisemad põhimõtted arengumaade esindajatelt, milleni *workshop* ide ja ettekannete käigus jõuti, olid järgmised: arengumaade standardiorganisatsioonid peavad tõhustama standardite ja nendest saadava kasu tutvustamist kohalikule tööstusele; kohaliku majanduse kaasamine on kõige efektiivsem osaledes ISO tehniliste komiteede töös ning luues rahvuslikke komiteesid; vaid läbi koostöö ja välisprojektide saab tõsta standardimisalast teadlikkust ning koolitada arengumaade standardiorganisatsioonide töötajaid; arengumaad peavad saama enam otsustusõigust ISO juhtimises ning väheste rahaliste võimaluste efektiivsemaks kasutamiseks tuleks kehtestada arengumaadele madalamad liikmemaksud. Kõigi nende tingimuste täitmiseks palusid arengumaade esindajad ISO juhtimiskeskuse

ning liikmete rahalist ja oskusteabe ressursi. Lisaks juhtisid arengumaade esindajad ISO juhtorganite tähelepanu asjaolule, et organisatsiooni sisereeglite muutmisel tuleb enam arvestada arengumaade IT võimaluste ja majanduse võimega osaleda oma huvisid kaitsvalt standardimisprotsessis. Peassamblee resolutsioonis 06/2002 tehti ISO Nõukogule ülesandeks välja töötada konkreetne tegevuskava ja vaadata kriitiliselt üle olemasolevad plaanid ja programmid arengumaade integreerimiseks ISO töösse.

Lühemalt puudutati seekordsel peassambleel standardimise seisukohast ka keskkonna (ettekanded Björn Stigson World Business Council for Sustainable Development, Jean-Paul Mingasson Euroopa Komisjon, Doug McKay Shell Internatioonal ja Axel Wenblad Skanska AB) ja tarbijakaitse (ettekanne Ziva Patir Iisraeli standardiorganisatsiooni SII peadirektor) teemat.

Huvitava ettekande tegi Suurbritannia standardiorganisatsiooni BSI direktor David Lazenby, kes käsitles ISO rolli vastavushindamisprotsessis, lisades standardite ettevalmistamisel olulise, kuid harva välja toodud eetilise dimensiooni. Nimelt on standardite koostajad kaudselt vastutavad ka standardite hilisema rakendamise eest – seega tõstatas ning jättis edasiseks mõtteaineks Lazenby küsimuse, millist rolli peaks ISO mängima akrediteerimise ja sertifitseerimise korraldamises ning kas oleks vaja panustada tegevuste kontrollimisse, mis koordineerivad standardite kasutamist? Ei maksa unustada, et standardi koostajaid hinnatakse standardite kasutamise järgi.

Lisaks eelpool mainitud ettekannetele, millega saab lähemalt tutvuda aadressil <http://www.iso.org/iso/en/commcentre/presentations/ga/index.list>, anti igaaastane ülevaade ISO majandustulemustest ja eelarvest ning strateegilistest plaanidest. Viimaste seas väärrib väljatoomist turu ootustele vastava elektroonilise info kättesaadavuse ja levitamise süsteemi arendamine. Planeeritud on alates

2003. aasta lõpust viia kogu standardite ja töödokumentide levitamine elektroonseks.

Seda, et standardimist saab tänapäeval vaadata ainult kõigi standarditega seotud tegevuste kontekstis, väljendas ka selle aasta standardimispäeva tunnuslause – üks standard, ühekordne katse, tunnustatud kõikjal. ISO lahkuv president Mario Cortopassi rõhutas, et selle idee realiseerimine on suureks väljakutseks

kogu rahvusvahelisele standardimisele ning et ISO, IEC (Rahvusvaheline Elektrotehnika-komisjon) ja ITU (Rahvusvaheline Sidelit) peavad tegema koostööd nii omavahel kui ka väljapoole, et teha unistusest reaalsus.

**Raul Juhanson**

EVS standardiosakonna juhataja

## STANDARDID JA VASTAVUSHINDAMINE

ÜKS STANDARD, ÜHEKORDNE KATSE - TUNNUSTATUD KÕIKJAL

14. oktoobril tähistavad standardite koostajad ja kasutajad ning standardimise korraldamisega tegelevad organisatsioonid Ülemaailmset Standardipäeva.

Igal aastal valitakse teema, millele see päev on pühendatud. Sel aastal on teemaks "Standardid ja vastavushindamine" ning motoks "Üks standard, ühekordne katse - tunnustatud kõikjal".

Kogu maailmas rakendatav rahvusvaheline standard ja ühekordne katse, mida tunnustatakse kõikjal, aitavad kaasa kaupade ja teenuste globaalturu arenemisele. Kasutades ühtseid standardeid ja kooskõlastatud vastavushindamissüsteeme loome eeldused, et ühe standardi järgi valmistatud toode, mis on läbinud katsetuse ühes riigis, on tunnustatud ka kõikides teistes riikides, ja ei vaja enam teiste turgudele laskmisel uusi katsetusi. See hoiab kokku tootjate raha ja vähendab toodete turulejoudmise aega ning alandab toote hinda.

Eesti Standardikeskus tähistas Standardipäeva standardimise ja vastavushindamise teemalise näitusega 8. - 22. oktoobril Tallinna Tehnikaülikoolis ja 21. oktoobril toimunud konverentsiga Rahvusraamatukogus.



Pildil: TTÜ raamatukogu direktor Jüri Järs ja EVS standardiosakonna juhataja Raul Juhanson näitust avamas

Konverentsil "Standardid ja vastavushindamine" räägiti mitmest aspektist, kuidas on omavahel seotud standardid ja vastavushindamisprotseduurid.

Kõigepealt rääkis EVS tegevdirektor Sven Kasemaa teemal "Üks standard". Ta tutvustas Standardikeskuse viimase aja tegevusi ja lähiaja plaane. Pikemalt peatus hr Kasemaa harmoneeritud standarditel. Tuues võrdluseks päevakajalise valimiste teema, ütles hr Kasemaa, et ka meie konverentsist osavõtjate protsent ületas 50 % kutsututest.

Konverentsil osales 70 standardimise ja vastavushindamisega seotud spetsialisti tehnilistest komiteedest, partnerasutustest, majandusministeeriumist jne.

Järgmised esinejad tutvustasid erinevaid vastavushindamise aspekte. Kaire Tõugu Eesti Akrediteerimiskeskusest rääkis koosolijaile, mis on akrediteerimine ja kuidas seda Eestis rakendatakse. Akrediteerimine on asutuse vastavuse hindamine ja tõendamine rahvusvahelistes standardites asutustele kehtestatud kompetentsuskriteeriumitele. Seejuures on see hindamis- ja tõendamisprotseduur omakorda reguleeritud rahvusvaheliste standarditega. Eesti Akrediteerimiskeskuse enda rahvusvahelistele nõuetele vastavuse kontroll toimub jaanuaris 2003. Positiivsete tulemuste korral saab EAK õiguse liituda EA (Euroopa Akrediteerimisfoorum) liikmesasutuste vahelise mitmepoolse vastastikuse tunnustamise leppega EA MLA, mille kohaselt nad tunnustavad üksteise akrediteerimissüsteeme.

Tehnokontrolli Keskuse asedirektor Urmas Vain andis ülevaate Tehnokontrolli Keskuse kui akrediteeritud, teavitatud ja tunnustatud vastavushindamisasutuse tegemistest. TKK-le on antud õigus tegutseda tunnustatud asutusena liftide, surve- ja gaasiseadmete nõuetele vastavuse ja hindamise alal ning isikute (keevitajate) nõuetele vastavuse hindamise ja tõendamise alal. Segadus terminite "tunnustatud ja teavitatud" osas tuleneb sellest, et erinevates seadustes on kasutatud neid erinevalt. Mõnes on tunnustatud asutus, teises jälle teavitatud. Mõte on küll sama.

AS Metroserdi juhatuse esimees Juhan Tuppits avas osavõtjate ees standardite seoseid laborite hindamise ning kvaliteedi- ja keskkonnajuhtimissüsteemide- ja tootesertifitseerimisega. AS Metrosert on akrediteeritud kui kalibreerimislabor standardi EVS-EN ISO 17025 järgi, standardi EVS-EN 45011 kui toodete sertifitseerimisorgan ning EVS-EN 45012 järgi kui kvaliteedi- ja keskkonnajuhtimissüsteemide sertifitseerimisorgan.

Majandusministeeriumi tööstusosakonna juhataja Merike Kompus andis oma ettekandes ülevaate vastavushindamisest rahvusvahelisel tasandil (WTO TBT leping) ja Euroopas (nii harmoneeritud kui ka mitteharmoneeritud valdkondades).



Pildil: Merike Kompus ja Sven Kasemaa ettekandeks valmistumas

Pikemalt peatus ta PECA (Protocol to the Europe Agreement on Conformity Assessment and Acceptance of Industrial Products) lepingul.

2002. a suvel paraferiti PECA põhileping ja lisaprotokollid liftide, madalpingeseadmete, elektromagnetilise ühilduvuse ja mänguasjade valdkondades. 2002. a augustis esitati ettepanekud lisaprotokollide sõlmimiseks masinate, surveadmete, lihtsate surveanumate ja gaasiseadmete valdkondades.

Konverentsi lõpus said osavõtjad esitada esinejatele küsimusi ning omavahelised arutelud ja vestlus jätkusid juba klaasi veini juures.

**Anne Laimets**  
EVS peaspetsialist



Pildil: vaade konverentsisaali



## OKTOOBRIKUU STANDARDID

### **EVS-EN 491:2002 Betoonist rea- ja erikatusekivid. Teimimismeetodid**

Standard eristab kaldega katusteks kasutatavate betoonist reakatusekivide ja neelukivide teimimeetodid.

### **EVS-EN 538:2002 Savikatusekivid ülekattega laotistele. Paindetugevusteim**

Standard kirjeldab teimimeetodit standardis EN 1304 "Clay roofing tiles - Product definitions and specifications" määratletud keraamiliste katusekivide paindetugevuse määramiseks. Teisi katusekivi füüsikalisi näitajaid käsitletakse standardis EN 539 "Clay roofing tiles - Determination of physical characteristics - Impermeability and frost resistance".

### **EVS-EN 539-1:2002 Savikatusekivid ülekattega laotistele. Osa 1: Füüsikaliste näitajate määramine**

Standardi käesolevas osas esitatakse kaks ekvivalentset teimimeetodit keraamiliste rea- ja erikatusekivide veepidavuse määramiseks.

### **EVS-EN 932-5:2002 Täitematerjalide üldiste omaduste katsetamine. Osa 5: Üldkasutatavad seadmed ja kalibreerimine**

Käesolev standard määrab kindlaks üldised nõuded täitematerjalide omaduste katsetamisel kasutatavatele seadmetele, kalibreerimis-meetoditele ja reagentidele.

### **EVS-EN 933-4:2002 Täitematerjalide geometriliste omaduste katsetamine.**

#### **Osa 4: Tera kuju määramine. Kujutegur**

Käesolev standard esitab jämetäitematerjali terade kujuteguri määramise meetodi, mis on kasutatav looduslike, tehnilike ja kergtäitematerjalide puhul. Käesolevas standardis kirjeldatud meetod on kasutatav täitematerjali fraktsioonide  $d_i/D_i$  puhul, mille  $D_i \leq 63$  mm ja  $d_i \geq 4$  mm.

### **EVS-EN 1097-6:2002 Täitematerjalide mehaaniliste ja füüsikaliste omaduste katsetamine. Osa 6: Terade tiheduse ja veeimavuse määramine**

Standard määrab kindlaks täitematerjali terade tiheduse ja veeimavuse määramise meetodid. Esimesed viis meetodit on kasutatavad tavalise täitematerjali ja kuues meetod kergtäitematerjali puhul. Tähtsamad meetodid on:

a) traatkorvimeetod täitematerjalile, mis läbib 63 mm avadega sõela ja jääb 31,5 mm avadega sõelale;

b) püknomeetrimetod täitematerjalile, mis läbib 31,5 mm avadega sõela ja jääb 0,063 mm avadega sõelale.

Tiheda täitematerjali terade kuivtiheduse määramise meetod on esitatud lisas A. Konstantse massini küllastatud jämetäitematerjali terade tiheduse ja veeimavuse määramiseks sobiv traatkorvimeetodi variant on esitatud lisas B. Lisas A kirjeldatud püknomeetrimetodi kergtäitematerjalile kohandatud variant on esitatud lisas C.

## KÕRGEPINGE TEHNILINE KOMITEE ON LOODUD

Elektrotehnika alase standardimisega tegelenud Eesti Elektrotehnikakomitee saadeti laiali 1. aprillil 2001. aastal. Komitee ülesanded võttis üle Standardikeskus. Kahjuks ei ole elektrialases standardimises senini suurt edasiminekut toimunud. Töö edendamiseks asus EVS käesoleva aasta alguses looma keskuse juurde kuuluvaid rahvuslikke tehnilisi komiteesid, mis töötaksid CENELEC ja IEC nn peegelkomiteede põhimõttel. EVS'il on õigus rahvuslikke tehnilisi komiteesid registreerida CENELEC'i ja IEC vastavate Tehniliste Komiteede juures.

Initsiatiivrühma märtsi- ja maikuu toimunud koosolekul lepidi kokku käsitusala ja 30. mai 2002.a. koosolekul moodustati üle 1000 V pingega seotud teemadel **Kõrgepinge tehniline komitee** (inglise keeles High Voltage Technical Committee). Komitee esimeheks valiti Rein Oidram TTÜ elektroenergeetika instituudist, aseesimeheks Raivo Rebane Eesti Energia AS'i Jaotusvõrgust ja sekretäriks Toomas Tilk Tehnilise Järeelvalve Inspeksioonist. Eeltoodud isikud on ühtlasi ka vastavate asutuste volitatud esindajateks.

Lisaks on asutajaliikmete volitatud esindajateks Raivo Teemets K&H Energiakonsult AS'ist, Tõnu Mürsepp Eesti Energia AS'i Põhivõrgust (esindab Eesti Elektroenergeetika Seltsi) ja Arvo Kübarsepp AS Elektrikontrollikeskusest. Komitee loeb oma ülesandeks Eestile oluliste kõrgepingealaste CENELEC ja IEC standardite väljaselgitamist, läbivaatamist ja kasutuselevõtuks ettevalmistamist. Laiemat huvi pakkuvad standardid kavatsetakse tõlkida, kitsama tarbijaskonnaga standardid võetakse üle kas tiitellehe või jõustumisteate meetodil. Kuna kõrgepingealane elektrotehnika tööstus praktiliselt puudub, siis ei pea komitee vähemalt esialgu algupäraste standardite väljatöötamist vajalikuks. Komitee moodustas oma koosseisus viis töörühma:

- töörühm 1 käsitleb õhuliinide elektrijuhtmeid, õhuline, elektriakaableid ja isolaatoreid (töörühma juhivad Tõnu Mürsepp ja Eeli Tüügmägi)

- töörühm 2A käsitleb isoleermaterjale, isolatsioonisüsteeme, isolatsiooni koordinaatsiooni, liigpingepiirikeid ja katsetehnikat (Rein Oidram ja Tõnu Truupõld)
- töörühm 2B käsitleb jõutrafosid, kõrgepingelisi lülitusseadmeid ja nende juhtseadmeid, mõõtetrafosid ja piksekaitset (Raivo Rebane ja Arvo Kübarsepp)
- töörühm 3 käsitleb tööd pinge all ja üle 1 kV elektriseadmete ohutust (Raivo Teemets ja Arvo Ulla)
- töörühm 4 käsitleb elektritööde ettevõtjate kvalifikatsiooni (Raivo Teemets, Tõnis Mägi ja Arvo Ulla).

**Rein Oidram** TK Kõrgepinge esimees  
TTÜ Elektroenergeetika Instituut, professor

## METROLOOGIA

### AS METROSERT TULEMUSED EA POOLT KORRALDATUD KOONUSKALIIBRITE VÕRDLUSKALIBREERIMISEL

R. Laaneots, L. Lillepea

#### 1 Sissejuhatus

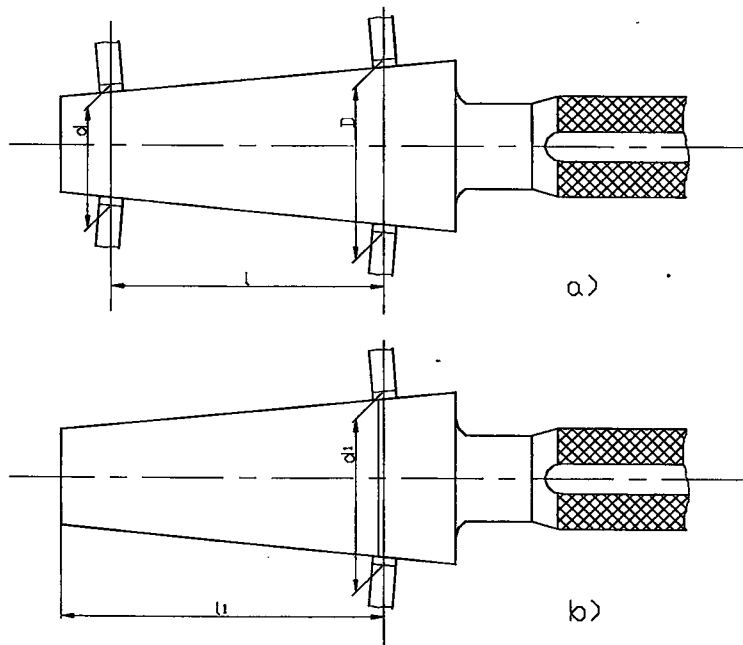
Euroopa Akrediteerimisühenduse (EA) poolt korraldatud ja Šveitsi Föderalse Metroloogia ja Akrediteerimisasutuse (METAS) poolt läbiviidud rahvusvahelisest koonuskaliibrite võrdluskalibreerimisest 2000 –2001. a võtsid osa Šveitsi, Eesti, Sloveenia, Slovakkia, Austraalia, Uus-Meremaa ja Lõuna-Aafrika Vabariigi laborid, kusjuures EA poolt oli määratud korraldavaks tugilaboriks METAS. Võrdluskalibreerimine teostati sellises ajagraafikus, et 8 laborit 7 osavõtvast riigist pidid saama valmis koonuskaliibrite läbimõõdu ja poolnurga mõõtmistega kahe nädala jooksul osaleja kohta. Osalejad laborid olid eelnevalt informeeritud ja nad said teha vajalikud ettevalmistused selleks, et alustada koonuskaliibrite iseloomustavate suuruste mõõtmisega kohe kui tugilabori poolt ringkatse tarvis valitud reisivad koonuskaliibrid olid saabunud.

#### 2 Koonuskaliibrite läbimõõdu ja poolnurga mõõteprotseduur AS Metrosert-is

Ringkatses osalevate koonuskaliibrite kalibreerimisel mõõdeti poolnurka  $\alpha/2$  ja läbimõõtu  $d_1$  tugilabori poolt ettenähtud kindlaksmääratud koonuse ristlõikes.

Väliskoonuskaliibrite mõõtmisel kasutas AS Metrosert universaalset mõõtemikroskoopi EBV-23 ja mõõtenugade komplekti.

Nimetatud mõõtmise põhimõtteline skeem on esitatud seel 1.



Sele 1 Väliskoonuskaliibrit iseloomustavate suuruste mõõtmine mõõtemikroskoobi ja mõõtenugade abil

a) koonuse poolnurga  $\alpha/2$  mõõtmise skeem, b) koonuse läbimõõdu  $d_1$  mõõtmise skeem.

Mõõtetulemuste põhjal arvutati koonuskaliibri poolnurk valemiga

$$\alpha/2 = \arctan\left(\frac{D-d}{2l}\right) \quad (1)$$

kus  $d$  ja  $D$  – koonuskaliibri läbimõõtude mõõtetulemused ning  $l$  – läbimõõtude vahelise kauguse mõõtetulemus koonuse pikitelje suunas.

Koonuskaliibri läbimõõt  $d_1$  mõõdeti koonuskaliibrite kohta kehtivates normdokumentides [1, 2, 3] määratud kaugusel  $l_1$  (piki koonuse sümmeetriatelge) koonuse otspinnast.

Läbimõõtude  $D$ ,  $d$  ja  $d_1$  väärtused leiti kasutades seost

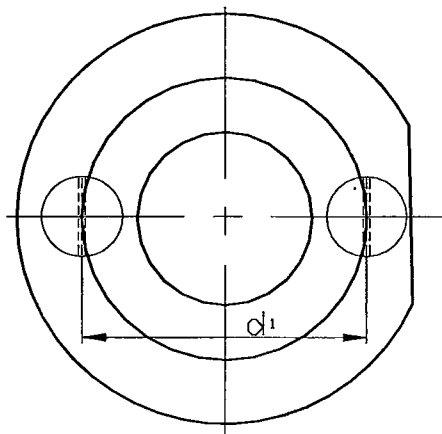
$$D = d = d_1 = a_s - a_v - \left(\frac{l_{n1} + l_{n2}}{\cos(\alpha_n/2)}\right) = \Delta a - \left(\frac{l_{n1} + l_{n2}}{\cos(\alpha_n/2)}\right) \quad (2)$$

kus  $a_s$  ja  $a_v$  – vastavalt mõõtemikroskoobilt koonuse teljega ristisuunas võetud suurem ja väiksem näit valitud okulaari teljestiku punkti ja mõõtenugadele graveeritud joone kattumiskohtades,  $\Delta a$  – eelpoolnimetatud näitude vahe,  $l_{n1}$  ja  $l_{n2}$  – mõõtenugadele graveeritud joonte kaugus mõõtenoaga otspinnast ning  $\alpha_n/2$  – koonuskaliibri koonuse nimipoolnurk.

Sisekoonuskaliibreid iseloomustatakse samuti poolnurgaga  $\alpha/2$  ja suurusega  $d_1$ , mis sisekoonuskaliibril defineeritakse kui ava läbimõõt koonuse suurema avaga otspinnal.

Suurus  $d_1$  mõõdeti optiliselt (pealt valgustusega) universaalsel mõõtemikroskoobil EBV-23 seel 2 esitatud põhimõttelise skeemi kohaselt. Koonuskaliiber kinnitati mõõtemikroskoobi klaasist objektlauale vertikaalasendis nii, et suurem ava asetses ülalpool. Mikroskoobi okulaari vaateväli fokuseeriti koonuse otspinnale ning seejärel fikseeriti mikroskoobi ühes käigusuunas minimaalne ja maksimaalne mõõdis.





Sele 2 Sisekoonuskaliibri ava läbimõõdu  $d_1$  mõõtmine (koonuskaliiber pealtvaates)

Sisekoonuskaliibri koonuse poolnurka  $\alpha/2$  mõõdeti kasutades siinuslauda ja spetsiaalrakises kellindikaatorit. Nimetatud mõõtmise põhimõtteline skeem on esitatud seel 3.

Seel 3a on toodud poolnurga mõõteskeem sisekoonuskaliibri esimeses asendis. Sellel seel näidatud nurgad  $\beta$  ja  $\gamma$  on omavahel seotud seosega

$$\beta = \gamma + \Delta\gamma \quad (3)$$

kus  $\Delta\gamma$  – nurk, mis arvutatakse kellindikaatori näitude järgi valemiga

$$\Delta\gamma = \arctan\left(\frac{a_1 - a_2}{L_{p1}}\right) = \arctan\left(\frac{\Delta a_{12}}{L_{p1}}\right) \quad (4)$$

kus  $a_1$  ja  $a_2$  – kellindikaatori näidud,  $\Delta a_{12}$  – kellindikaatori näitude vahe ja  $L_{p1}$  – kellindikaatori näitude võtmise kohtade vahekaugus.

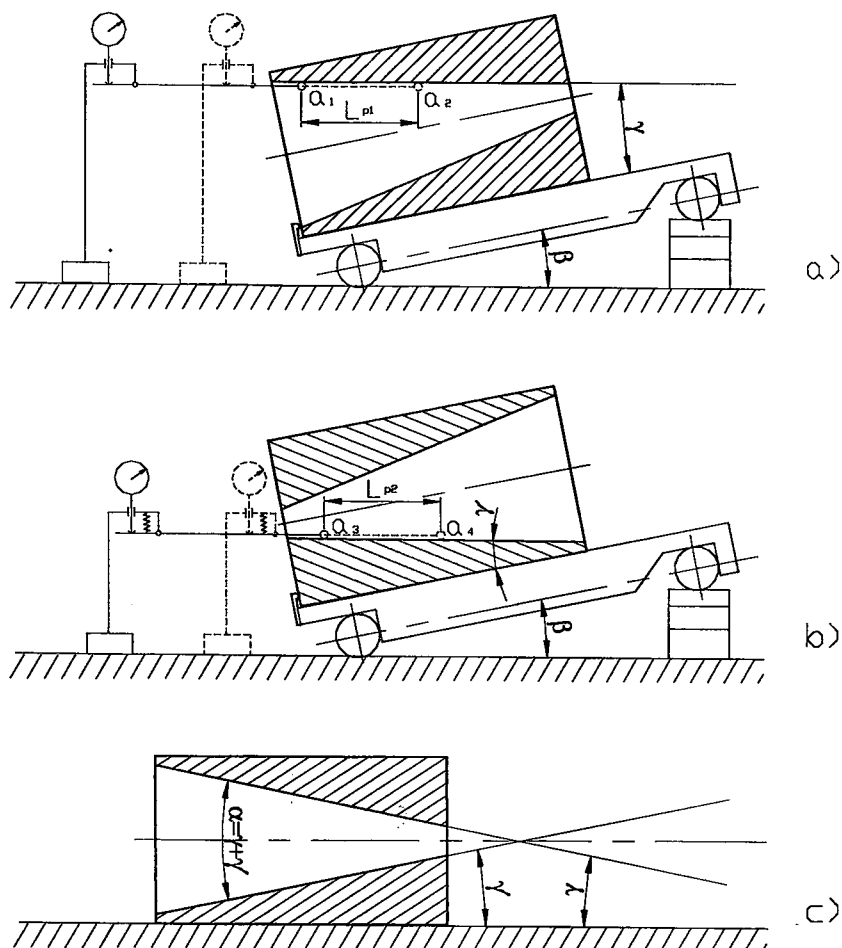
Analoogsed seosed kehtivad ka seel 3b näidatud sisekoonuskaliibri teise mõõteasendi puhul esinevate nurkade  $\beta$  ja  $\gamma'$  kohta, st

$$\beta = \gamma' + \Delta\gamma' \quad (5)$$

kus  $\Delta\gamma'$  – nurk, mis arvutatakse kellindikaatori näitude järgi seose

$$\Delta\gamma' = \arctan\left(\frac{a_3 - a_4}{L_{p2}}\right) = \arctan\left(\frac{\Delta a_{34}}{L_{p2}}\right) \quad (6)$$

kohaselt, kus  $a_3$  ja  $a_4$  – kellindikaatori näidud,  $\Delta a_{34}$  – kellindikaatori näitude vahe ja  $L_{p2}$  – indikaatori näitude võtmise kohtade vahekaugus.



Sele 3 Sisekoonuskaliibri koonuse poolnurga mõõtmise skeem siinuslaua abil

Sisekoonuskaliibri koonuse tipunurk  $\alpha$  avaldub valemiga (vt sele 3c)

$$\alpha = \gamma + \gamma' \quad (7)$$

Eelnevatest valemitest lähtudes sai sisekoonuskaliibri koonust iseloomustava poolnurga  $\alpha/2$  arvutamiseks kasutada seost

$$\alpha/2 = \beta - \frac{\Delta\gamma + \Delta\gamma'}{2} \quad (8)$$

kus  $\beta$  – siinuslauale pikkusotsmõõtude abil seatud nurk.

### 3 Mõõtetulemused

Igat ringkatses osalevat reisivat koonuskaliibrit (neid oli neli, vt tabel 1) iseloomustavate suuruste, st läbimõõdu  $d_1$  ja koonuse poolnurga  $\alpha/2$  AS Metrosert-is saadud mõõtetulemus (kalibreerimistulemus) koos tugilabori METAS mõõtetulemusega (kalibreerimistulemusega) on esitatud tabelis 1. Laiendmääramatuse väärtus 95% usaldatavustasemel on esitatud tabelis 1 koheselt mõõtetulemuse järel.

**Tabel 1** Koonuskaliibreid iseloomustavate läbimõõtude  $d_1$  ja poolnurkade  $\alpha/2$  mõõtetulemused

Objekt	Suurus	Tugiväärtus	Laiend- määra- matus	AS Metrosert mõõtetulemus	Laiend- määra- matus	$E_n$
Sisekoonus- kaliiber Morse 2	Läbimõõt	17,7800 mm	0,6 $\mu\text{m}$	17,780 mm	4 $\mu\text{m}$	0
	Poolnurk	1° 25' 46,0"	1,5"	1° 26' 02"	16"	1,0
Väliskoonus- kaliiber Morse 3	Läbimõõt	23,8260 mm	0,6 $\mu\text{m}$	23,826 mm	4 $\mu\text{m}$	0,01
	Poolnurk	1° 26' 18,0"	1,5"	1° 26' 18"	7"	0
Sisekoonus- kaliiber 7/24 (45)	Läbimõõt	57,1482 mm	0,7 $\mu\text{m}$	57,141 mm	4 $\mu\text{m}$	-1,76
	Poolnurk	8° 17' 49,7"	1,5"	8° 17' 42"	18"	-0,43
Väliskoonus- kaliiber 7/24 (35)	Läbimõõt	38,1373 mm	0,6 $\mu\text{m}$	38,141 mm	4 $\mu\text{m}$	0,93
	Poolnurk	8° 17' 49,5"	1,5"	8° 17' 49"	10"	-0,05

#### 4 Tugilabori poolt tehtud tulemuste analüüs

Mõõtetulemuste analüüsi tegi METAS [4]. Nimetatud tugilabor kasutas mõõtetulemuste analüüsi tegemisel rahvusvahelises soovitusel ISO/IEC Guide 43-2 [5] kirjeldatud seisukohti. Nimetatud dokumendi kohaselt määratakse normaliseeritud mõõtehälve  $E_n$  valemiga

$$E_n = \frac{x_{\text{lab}} - x_{\text{tugi}}}{\sqrt{U_{\text{lab}}^2 + U_{\text{tugi}}^2}} \quad (9)$$

kus  $x_{\text{lab}}$  – labori mõõtetulemus,  $x_{\text{tugi}}$  – sama suuruse mõõtetulemus tugilaboris,  $U_{\text{lab}}$  – labori mõõtetulemuse laiendmääramatus,  $U_{\text{tugi}}$  – tugilabori mõõtetulemuse laiendmääramatus.

Laborite mõõtetulemuste analüüsil loetakse need tulemused rahuldavateks, mille puhul  $E_n$  väärtus jääb piiridesse -1 kuni 1. Tugilabori METAS poolt valemiga (9) arvatud normaliseeritud mõõtehälbe väärtused AS Metrosert kohta on esitatud tabeli 1 viimases tulpas.

#### 5 AS Metrosert-i järeldused

Võrdluskalibreerimise tulemuste analüüsimisel selgus, et sisekoonuskaliibri 7/24 (45) läbimõõdu mõõtmisel väljus AS Metrosert-i tulemus aktsepteeritavuse piiridest ( $E_n < 1$ ). Selle põhjuseks oli, et AS Metrosert ei arvestanud piisavalt kasutatud mõõtemetodi eripärast tulenevat mõõtemääramatuse komponenti. Sisekoonuskaliibri ava diameetri  $D$  mõõtmisel laiema avaga otspinnal kasutasid teised võrdluskalibreerimisest osa võtnud laborid kolmekoordinaatseid mõõtemasinaid. Läbimõõt  $D$  saadakse sel juhul arvutuslikult koonuse mõõtepinnalt võetud mõõdiseid töödeldes. AS Metrosert-i mõõtevahendid sellist mõõtemetodit kasutada ei võimaldanud. Võrdluskatse läbiviimisel kasutati optilist meetodit, kus koonuskaliiber asetati mõõtemikroskoobi okulaari vaatevälja ja pilt fokuseeriti koonuse otspinnale. Optilise meetodi rakendamise puuduseks on see, et koonuse otspinna ja koonuspinna vahel on faas (ebakorrapärase pinnaga ala). Teoreetilise ava ehk koonuspinna pikenduse ja otspinna lõikejoone läbimõõdu asukohta otspinnal võib hinnata asuvaks ligikaudu faasiala keskel. AS Metrosert ei võtnud mõõtetulemuse määramatuse hindamisel piisavalt arvesse läbimõõdu asukoha hindamisest tingitud mõõtemääramatuse komponenti.

Tulemuste analüüsimisel selgus samuti, et sisekoonuskaliibri Morse 2 nurga mõõtmisel sattus AS Metrosert kalibreerimistulemus aktsepteeritavuse piirile ( $E_n = 1,0$ ). See oli tingitud koonuse sisepinnalt indikaatoriga näidu võtmisel kasutatud spetsiaalrakisest, mida senini ei olnud kasutatud koonuste kalibreerimisel ringkatsel esitatud täpsustasemel ja mille stabiilsust mõõtmiste käigus oli keeruline hinnata.



Võrdlusmõõtmistest möödunud aja jooksul on AS Metrosert-i mõõtevahendite nimistusse lisandunud horisontaalne pikkusmõõtemasin ULM OPAL 600, mis võimaldab läbi viia kõiki koonuste kalibreerimiseks vajalikke mõõtmisi.

Võrdlusmõõtmiste lõpliku raportiga [4] tutvunult võib öelda, et AS Metrosert esines selles võrdlusmõõtmises edukalt, arvestades, et ta ei oma selles valdkonnas akrediteeringut. AS Metrosert kalibreerimistulemuste juures esinenud mittevastavused tulenesid peamiselt kasutada olnud mõõtevahenditest, kombineeritud mõõtesüsteemi ebapiisavast stabiilsusest ja raskustest sellega seonduva mõõtemääramatuse hindamisel. Analüüsi tulemusena võib väita, et koonuskaliibrite kalibreerimiseks vajalik teadmiste pagas on AS Metrosert-is olemas, nüüdseks ka kaasaegsed mõõtevahendid, mis võimaldavad olemasolevaid meetodeid usaldusväärsel tasemel rakendada.

## KIRJANDUS

- [1] DIN 229:1982. Morsekegellehren.  
Berlin: Beuth Verlag, 1982
- [2] ISO 296:1991. Self-holding tapers for tool shanks.  
Genève: ISO, 1991
- [3] ISO 297:1988. 7/24 tapers for tool shanks for manual changing.  
Genève: ISO, 1988
- [4] Ramseyer J., Thalmann R. EA Interlaboratory Comparison M22. Calibration of Taper Standards. Final Report.  
Genève: METAS, 2002
- [5] ISO/IEC Guide 43-2:1997(E). Proficiency testing by interlaboratory comparisons – Part 2: Selection and use of proficiency testing schemes by laboratory accreditation bodies.  
Genève: ISO/IEC, 1997

## CEN UUDISED

### Avatud on uus veebileht "EN 13445 Help Desk"

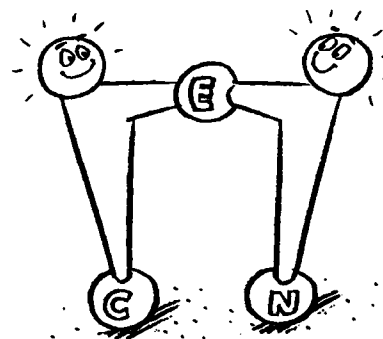
aadressil <http://www.unm.asso.fr/en13445en/>  
EN 13445 Leekkuumutusega surveeadmed ilmus mais 2002. See uus standard pakub lahendusi surveeadmete direktiivi 97/23/CE (PED) oluliste ohutusnõuete täitmiseks. Viite kaudu sellele standardile, avaldatud EÜ Ametlikus Teatajas 17. juulil 2002, tunnistati EN 13445 harmoneeritud standardiks. Help Desk aitab tööstust standardi rakendamisel ja vastab sellealastele võimalikele küsimustele.

### Euroopa energia- ja transpordifoorum

Euroopa Komisjon lõi energia- ja transpordifoorumi eesmärgiga saada spetsialistide ja huvitatud osapoolte arvamusi ja nõuandeid oma sellealase poliitika väljatöötamisel. Tuues kokku energia- ja transpordispetsialistid ühtse foorumi raames loodab EK tugevdada nende valdkondade koostööd ja edendada energia- ja transpordipoliitika vahelist dialoogi.

### Pakendidirektiivi muutmine

Euroopa Parlament on muutmas pakendidirektiivi 94/62/EC, mis ilmselt tingib esialgselt kavandust suuremaid muudatusi standardis EN 13428 *Packaging - Requirements specific to manufacturing and composition - Prevention by source reduction*



# ISO UUDISED

## Uus ISO keelte koodide standard

ISO 639-1 *Codes for representation of names of languages - Part 1: Alpha - 2 code* annab maailmas enimkasutatud 182 keele kahekohalised identifitseerimiskoodid, mis põhinevad 26-l ladina tähestiku tähel.

See väljaanne asendab standardi eelmise, 1988. a versiooni.

Kahekohaline keelte kood on rakendatav bibliograafias, terminoloogiadokumentides, sõnastikes ja arvutisüsteemides.

Standardikeskuse käest küsitakse sageli, kuidas saab teada, mis keeles mingi standard on. Eesti standardite kataloogis on toodud standardijärgne keele tähis, mis on eesti keele puhul (et) ja inglise keele puhul (en).

Kui te määrate interneti otsingumootoris keelt, milles soovite infot saada, kasutategi standardit ISO 639.

Praegu on ISO tehnilises komitees ettevalmistamisel ka standardi 2. osa, mis käsitleb kolmetähelisi koodi.

182 keelt ei ole kuigi suur number, sest keeli maailmas on 5000 kuni 7000, ent esindatud on siiski kõik suuremad keeled.

Vastavalt standardile ISO 639-1 on Rahvusvaheline Terminoloogiakeskus Infoterm määratud Registreerimisasutus

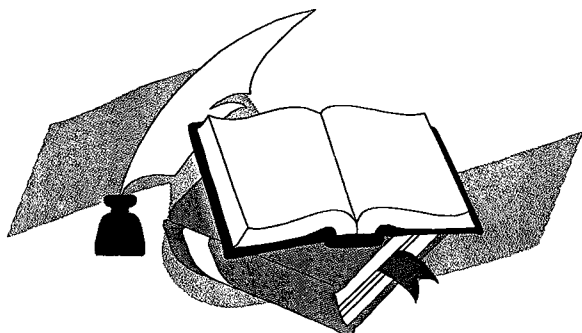
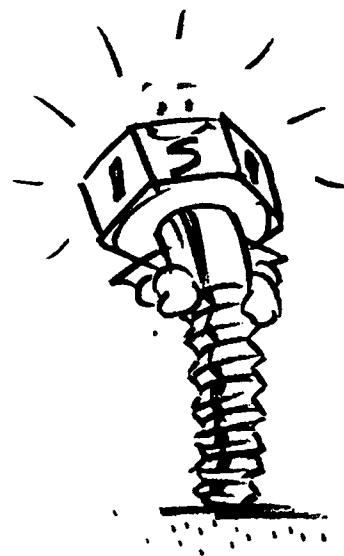
(ISO 639-1/RA). Infoterm vastutab uute keelte identifitseerimise ja muudatuste tegemise eest koodides.

Standardit ISO 639-1 kasutatakse koos maade koodide standardiga ISO 3166 *Codes for representation of names of countries and their subdivisions*.

## Uus ISO standard parandab arusaamist keskkonnajuhtimise sõnavarast

Ilmunud on uus rahvusvaheline standard ISO 14050 *Environmental management. Vocabulary*.

ISO ootuste kohaselt peaks uus keskkonnajuhtimise terminoloogia standard kokku hoidma raha ja aega ning vältima terminite mitmeti mõistmist ISO 14000 sarja standardite rakendamisel ja kasutamisel.



## UUDISKIRJANDUS

### Elektromagnetiline ühilduvus

2002, 16 lk Hind 15.-

Brošüür annab ülevaate sellest, mis on elektromagnetiline ühilduvus ja selle valdkonna standarditest

NB! Tasuta kättesaadav ka [www.evs.ee](http://www.evs.ee)

## Elektrotehnika ohutusosalased väljaanded

2002, 10 lk Hind 10.-

Brošüür keskendub ohutusosalastele väljaannetele. Ohutuspõhimõtete laia kohaldatavuse tõttu on tegemist horisontaalse väljaandega.

NB! Tasuta kättesaadav ka [www.evs.ee](http://www.evs.ee)

## Paul Temple, Geoffry Williams Standarditest tulenev kasu

2002 54 lk Hind 65.-

Väljaanne annab ülevaate standardite ajaloost, loomisest ja sellest, kes saavad standarditest kasu.

Kasusaajateks on tööstus, kaubandus, tarbijad, riikide valitsused

NB! Tasuta kättesaadav ka [www.evs.ee](http://www.evs.ee)

## CEN Vade mecum 2002

Sisaldab CEN ja ECISS tehniliste komiteede, alamkomiteede ja töörühmade loetelu, CEN juhtorganite koosseisu, organisatsioonide loetelu, kellega CEN-il on sõlmitud koostöölepped. Avaldatud on organisatsioonide loetelu, kellel on koostöö tehniliste komiteedega ning kõigi CEN liikmete kontaktandmed.

## CEN Annual Report 2001 - 2002

Aastaraamat hõlmab CEN tegevust perioodil juuli 2001 kuni juuli 2002.

NB! Huvilistel on võimalik CEN aastaraamatut saada tasuta Standardikeskusest.



## WTO SEKRETARIAADILT SAABUNUD TEATISED

Maailma Kaubandusorganisatsiooni WTO sekretariaadilt saabunud õigusaktide eelnõud, milles sisalduvad tehnilised normid võivad saada kaubanduse tehnilisteks tõketeks.

Eelnõude kohta on võimalik esitada kommentaare 2 nädalat enne tabelis toodud kuupäeva

Majandusministeeriumi Karel Kangro tel 625 6397, faks 625 6404, [kkangro@mineco.ee](mailto:kkangro@mineco.ee)

Eelnõude terviktekstid ja info EVS Teabekeskusest Signe Ruut tel 605 5062, faks 605 5063, [enquiry@evs.ee](mailto:enquiry@evs.ee)

## WTO SEKRETARIAADILT SAABUNUD TBT TEATISED

NUMBER & ESITAMIS- KUUPÄEV	RIIK	TOODE/KAUP/ TEENUS	EESMÄRK	KOMMEN- TAARIDE ESITAMISE VIIMANE KUUPÄEV
G/TBT/N/EEC/19 13. september 2002	EUROOPA ÜHENDUSED	2204 – vein ja viinamarjamahl	tehnilised nõuded	01. oktoober 2002
G/TBT/N/ARG/56 18. september 2002	ARGENTIINA	autoosad	tehniliste juhendite ja eeskirjade täiendamine/muutmine	-

G/TBT/N/KOR/41 24. september 2002	KOREA VABARIIK	majapidamisredelid	ohutus	13. november 2002
G/TBT/N/BRA/54 24. september 2002	BRASIILIA	fütoteraapilised ravimid HS: 30	mürgistamis- ja pakendinõuded ja inimeste tervise kaitse	28. september 2002
G/TBT/N/BRA/55 24. september 2002	BRASIILIA	piimal ja teraviljal põhinevad imiku toidulisandid	mürgistusnõuded ja rahva tervis	-
G/TBT/N/BRA/56 24. september 2002	BRASIILIA	uued ja uuenduslikud süntees või poolsüntees toime- komponentidega ravimid HS: 30	mürgistamis- ja pakendinõuded ja inimeste tervise kaitse	28. september 2002
G/TBT/N/BRA/57 24. september 2002	BRASIILIA	registreerimisvabad ravimid HS: 30	mürgistusnõuded ja tarbijate tervise kaitse	28. september 2002
G/TBT/N/BRA/58 24. september 2002	BRASIILIA	samalaadsed, vabad, fütoteraapilised ja uued ravimid	nõuded mürgistamisele, pakendamisele, inimeste tervis	28. september 2002
G/TBT/N/BRA/57 25. september 2002	BRASIILIA	kaunistamiseks mõeldud värsked löikelilled, õisikud, puuviljad ja lehed	toodete kvaliteedi- ja eristustingimused	23. september 2002
G/TBT/N/SVK/2 26. september 2002	SLOVAKKIA	kaasaskantavad tulekustutid	standardid	60 päeva
G/TBT/N/SVK/3 26. september 2002	SLOVAKKIA	tuleohutussüsteemid	nõuded	60 päeva
G/TBT/N/GTM/3 26. september 2002	GUATEMALA	ICS 67.220.20 toidu lisaained	toiduohutus ja inimeste tervise kaitse	30. september 2002
G/TBT/N/CHE/22 26. september 2002	ŠVEITS	surveseadmed	ohutus, õnnetuste ennetamine, tarbijakaitse	29. november 2002
G/TBT/N/FRA/16 30. september 2002	PRANTSUSMAA	transporditavad surve all olevad hoidlad	nõuded kasutamiseks, hoolduseks, parandamiseks	1. detsember 2002
G/TBT/N/NLD/ 52, 53 1. oktoober 2002	HOLLAND	tagasipeeldav materjal, mille kasutamisel sõiduki suurus/mõõtmed on selgemini eristatavad	ajutised nõuded, katsetamine	7. detsember 2002
G/TBT/N/HKG/13 1. oktoober 2002	HIINA HONG KONG	kodused gaasiseadmed	kvaliteedi ja ohutuse tagamine	-
G/TBT/N/CHE/23 1. oktoober 2002	ŠVEITS	Lihtsad surveanumad	ohutus, õnnetuste ärähoidmine, tarbijakaitse	29. november 2002
G/TBT/N/BRA/59 1. oktoober 2002	BRASIILIA	toit ja toidulisandid	mürgistusnõuded ja rahva tervis	22. september 2002
G/TBT/N/BRA/60 2. oktoober 2002	BRASIILIA	kiudoptilised kaablid HS: 85	vastavushindamine	-
G/TBT/N/BRA/61 2. oktoober 2002	BRASIILIA	metalltelefonikaablid HS: 85	vastavushindamine	-
G/TBT/N/BRA/62 2. oktoober 2002	BRASIILIA	raadiosideseadmed HS: 85	tarbijakaitse	-
G/TBT/N/HUN/4 2. oktoober 2002	UNGARI	pakendid ja pakendijäätmed	nõuded tootmisele, raskemetallisisaldusele, mürgistusele, jäätmekäitlusele ja registreerimisele	20. oktoober 2002
G/TBT/N/AUS/12 2. oktoober 2002	AUSTRALIA	määratletud koostisega ravimid	inimeste tervise kaitse ja ohutus	30. november 2002

G/TBT/N/BRA/63 7. oktoober 2002	BRASIILIA	kõrgsurveballoonid metaangaasi hoidmiseks	vastavushindamine ja tarbijate ohutus	-
G/TBT/N/NLD/54 10. oktoober 2002	HOLLAND	kaevandustööd	keskkonnakaitse ja ohutus	18. november 2002
G/TBT/N/NLD/55 10. oktoober 2002	HOLLAND	kaevanduseeskirjad	keskkonnakaitse ja ohutus	2. detsember 2002
G/TBT/N/JPN/55 14. oktoober 2002	JAAPAN	digitaalne ringhäälingusüsteem	uuenduste lisamine	19. detsember 2002
G/TBT/N/CAN/46 14. oktoober 2002	KANADA	elus muudetud organismid (LMO)	keskkonna- ja inimeste tervise kaitse	27. november 2002
G/TBT/N/CAN/47 16. oktoober 2002	KANADA	meditsiiniseadmed ICS: 03.120.01, 11.040.01	inimeste ohutus	19. detsember 2002
G/TBT/N/MEX/36 16. oktoober 2002	MEHHIKO	mercemetajad	kaitse	-
G/TBT/N/MEX/37 16. oktoober 2002	MEHHIKO	kodused külmikud ja sügavkülmikud	energiasäästlikkus, kvaliteet ja märgistamine	17. november 2002
G/TBT/N/MEX/38 16. oktoober 2002	MEHHIKO	0.746 kW kuni 373 kW võimsusega kolmefaasiline lühisrootoriga induktsioonmootor	energiasäästlikkus, kvaliteet ja märgistamine	22. november 2002
G/TBT/N/THA/90 21. oktoober 2002	TAI	jäätis HS 21.05, ICS: 67.100.40	tarbijakaitse	60 päeva

## WTO SEKRETARIAADILT SAABUNUD SPS TEATISED

NUMBER & ESITAMIS- KUUPÄEV	RIIK	MÕJUTATAV PIIRKOND/ RIIK	TOODE	EESMÄRK	KOMMEN- TAARIDE ESITAMISE VIIMANE KUUPÄEV
G/SPS/N/ARG/69 3. september 2002	ARGENTIINA	kõik kaubandus- partnerid	kaunistamiseks mõeldud värsked löikelilled, õisikud, puuviljad ja lehed	territooriumi kaitsmine kahjurite eest	23. september 2002
G/SPS/N/BOL/3 18. september 2002	BOLIIVIA	Tšiili	elus kodulinnud, paljundusmaterjal (munad), nendest tooted (lihakehad), kõrvaltooted (sisikond, söögikõlbmatud jäätmed, vorstid, hamburgerid, jne.) ja derivaadid (suled, kondid, lihajahu, sööt, jne.).	loomatervis/ inimeste kaitsmine taime-/ loomahaiguste eest	-
G/SPS/N/TPKM/9 23. september 2002	TAIWANI, PENGHU, KINMENI JA MATSU ERALDI TOLLI- TERRITOORIUM	-	luteoom	toiduohutus	30. oktoober 2002

G/SPS/N/HUN/15 24. september 2002	UNGARI	kõik riigid	taimed ja taimetooted	taimekaitse	20. oktoober 2002
G/SPS/N/KOR/119 24. september 2002	KOREA VABARIIK	-	toiduga kokkupuutuvad materjalid	toiduohutus	17. november 2002
G/SPS/N/KOR/120 24. september 2002	KOREA VABARIIK	-	toidu lisaained	toiduohutus	17. november 2002
G/SPS/N/BRA/70 27. september 2002	BRASILIA	kõik riigid	toidu lisaained – Tartrazina (INS 102)	toiduohutus	22. september 2002
G/SPS/N/BRA/71 27. september 2002	BRASILIA	kõik riigid	loomset päritolu toormaterjalid (koed ja vedelikud ravimite ja kosmeetika valmistamiseks), piimatooted ja vill	inimeste kaitsmine taime-/ loomahaiguste eest	30 päeva
G/SPS/N/EEC/173 1. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja Botswana	eluslinnud ja nende haudemunad	loomatervis	-
G/SPS/N/EEC/174 1. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja Tšiili	elus kodulinnud, nende haudemunad, värske linnuliha, sellest tooted	loomatervis	-
G/SPS/N/EEC/175 1. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja EÜ-sse nimetatud toodet eksportivad kolmandad riigid	tarretismaitustused, ka lisaainet E 425 konjac sisaldavad ICS 67.220.20	toiduohutus	60 päeva
G/SPS/N/EEC/176 2. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja EÜ-sse nimetatud toodet eksportivad kolmandad riigid	suitsumaitseisand ICS 67.220	toiduohutus	60 päeva
G/SPS/N/CAN/144 4. oktoober 2002	KANADA	-	elus muudetud organismid (LMO)	taimekaitse	27. november 2002
G/SPS/N/CAN/ 145, 146, 148 4. oktoober 2002	KANADA	-	Cyhalothrin- lambda, Thiamethoxam, Methoxyfenozide (ICS: 65.100.10 insektiitsiidid)	toiduohutus	12. detsember 2002
G/SPS/N/CAN/149 4. oktoober 2002	KANADA	-	Fenhexamid (ICS: 65.100.30 fungitsiidid)	toiduohutus	12. detsember 2002
G/SPS/N/CAN/150 4. oktoober 2002	KANADA	-	Permethrin (ICS: 65.100.10 insektiitsiidid)	toiduohutus	12. detsember 2002
G/SPS/N/CAN/151 4. oktoober 2002	KANADA	-	Thifensulfuron- methyl (ICS: 65.100.20 herbitsiidid)	toiduohutus	12. detsember 2002
G/SPS/N/CAN/147 7. oktoober 2002	KANADA	-	(S)-methoprene (ICS: 65.100.10 insektiitsiidid)	toiduohutus	12. detsember 2002

G/SPS/N/EEC/177 9. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja riigid, kus <i>Phytophthora ramorum</i> esineb	Phytophthora ramorum kahtlusega taimed ja puud	taimekaitse	-
G/SPS/N/EEC/178 15. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja EÜ-sse eksportivad kolmandad riigid	väikelaste toit kaasa arvatud CN pealkirja 1901; 2104; 2106, ICS 67.230 (pakendatud valmistoidud) alla käivad kaubad	toiduohutus	60 päeva
G/SPS/N/EEC/179 15. oktoober 2002	EUROOPA ÜHENDUSED	EÜ liikmesriigid ja EÜ-sse eksportivad kolmandad riigid	töödeldud teraviljatoidud (pudrud) ja imikutoidud ja väikelastetoidud, kaasa arvatud CN pealkirja 1901; 2104; 2106, ICS 67.230 alla käivad kaubad	toiduohutus	60 päeva
G/SPS/N/BRA/72 16. oktoober 2002	BRASIILIA	eksportivad riigid	seasperma	loomatervis/ territooriumi kaitsmine	lõppes veebruar 2002
G/SPS/N/CAN/152 17. oktoober 2002	KANADA	-	Nicosulfuron (ICS: 65.100.20)	toiduohutus	26. detsember 2002
G/SPS/N/USA/643 17. oktoober 2002	USA	kaubandus- partnerid	puu- ja juurviljad	taimekaitse	2. detsember 2002
G/SPS/N/USA/645 17. oktoober 2002	USA	kaubandus- partnerid	puu – ja juurviljamahlad	toiduohutus	6. detsember 2002
G/SPS/N/USA/646 17. oktoober 2002	USA	kaubandus- partnerid	puu- ja juurviljamahl	toiduohutus	12. november 2002

## HARMONEERITUKS TUNNISTATUD STANDARDID

Tehnilise normi ja standardi seaduse muutmise seaduse (RT I 2002, 32, 186) kohaselt avaldab Eesti Standardikeskus oma veebilehel ja väljaandes teavet harmoneeritud standarditest.

Harmoneeritud (ühtlustatud) standardid on EL Uue lähenemisviisi direktiividega liituvad standardid. Harmoneeritud standarditeks loetakse need standardid, millele on viidatud EL ametlikus väljaandes *Official Journal*. Harmoneeritud standardite kasutamine on kõige lihtsam viis tõendada direktiivide oluliste nõuete täitmist. Lisainfo <http://www.newapproach.org/>

Nüüdsest on iga kuu võimalik ka EVS Teatajas ja EVS kodulehel tutvuda Uue lähenemisviisi direktiivide all harmoneeritud standarditega. Seekord on avaldatud **isikukaitsevahendite, mänguasjade ja elektromagnetilise ühilduvuse** standardid (avaldatud augusti Euroopa Ühenduste Teataja C-seerias).

Kõik seekord viidatud harmoneeritud standardid on üle võetud ka Eesti standarditeks.



**NÕUKOGU DIREKTIIV 89/686/EMÜ liikmesriikide isikukaitsevahendeid käsitlevate õigusaktide ühtlustamise kohta 21. detsember 1989  
(2002/C 190/05)  
10.8.2002**

<b>Viidatud standardi tähis</b>	<b>Standardi nimetus</b>
EN 133:2001	Respiratory protective devices - Classification
EN 166:2001	Personal eye-protection - Specifications
EN 167:2001	Personal eye-protection - Optical test methods
EN 168:2001	Personal eye-protection - Non-optical test methods
EN 172:1994/A2:2001	Personal eye protection - Sunglare filters for industrial use - Amendment 2
EN 352-4:2001	Hearing protectors - Safety requirements and testing - Part 4: Level-dependent ear-muffs
EN 405:2001	Respiratory protective devices - Valved filtering half masks to protect against gases or gases and particles - Requirements, testing, marking
EN 564:1997	Mountaineering equipment - Accessory cord - Safety requirements and test methods
EN 565:1997	Mountaineering equipment – Tape – Safety requirements and test methods
EN 566:1997	Mountaineering equipment - Slings - Safety requirements and test methods
EN 567:1997	Mountaineering equipment - Rope clamps - Safety requirements and test methods
EN 569:1997	Mountaineering equipment - Pitons - Safety requirements and test methods
EN 812:1997/A1:2001	Industrial bump caps - Amendment 1
EN 893:1999	Mountaineering equipment - Crampons - Safety requirements and test methods
EN 943-2:2002	Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid particles - Part 2: Performance requirements for "gas-tight" (Type 1) chemical protective suits for emergency teams (ET)
EN 1146:1997/A3:2001	Respiratory protective devices - Self-contained open-circuit compressed air breathing apparatus incorporating a hood (compressed air escape apparatus with hood) - Requirements, testing, marking - Amendment 3
EN 1384:1996/A1:2001	Helmets for equestrian activities - Amendment 1

EN 12477:2001	Protective gloves for welders
EN 13061:2001	Protective clothing - Shin guards for association football players - Requirements and test methods
EN 13087-1:2000	Protective helmets - Test methods - Part 1: Conditions and conditioning
EN 13087-1:2000/A1:2001	Protective helmets - Test methods - Part 1: Conditions and conditioning – Amendment 1
EN 13087-2:2000	Protective helmets - Test methods - Part 2: Shock absorption
EN 13087-2:2000/A1:2001	Protective helmets - Test methods - Part 2: Shock absorption – Amendment 1
EN 13087-3:2000	Protective helmets - Test methods - Part 3: Resistance to penetration
EN 13087-3:2000/A1:2001	Protective helmets - Test methods - Part 3: Resistance to penetration – Amendment 1
EN 13087-6:2000	Protective helmets - Test methods - Part 6: Field of vision
EN 13087-6:2000/A1:2001	Protective helmets - Test methods - Part 6: Field of vision – Amendment 1
EN 13087-7:2000	Protective helmets - Test methods - Part 7: Flame resistance
EN 13087-7:2000/A1:2001	Protective helmets - Test methods - Part 7: Flame resistance – Amendment 1
EN 13274-3:2001	Respiratory protective devices - Methods of test - Part 3: Determination of breathing resistance
EN 13274-4:2001	Respiratory protective devices - Methods of test - Part 4: Flame tests
EN 13274-6:2001	Respiratory protective devices - Methods of test - Part 6: Determination of carbon dioxide content of the inhalation air
EN 13277-4:2001	Protective equipment for martial arts - Part 4: Additional requirements and test methods for head protectors
EN 13277-5:2002	Protective equipment for martial arts - Part 5: Additional requirements and test methods for genital protectors and abdominal protectors
EN 13484:2001	Helmets for users of luges
EN 13781:2001	Protective helmets for drivers and passengers of snowmobiles and bobsleighs

**NÕUKOGU DIREKTIIV 88/378/EMÜ 3. maist 1988 mänguasjade ohutust käsitlevate  
liikmesriikide seaduste lähendamise kohta****(2002/C 188/08)****8.8.2002**

Standardi tähis	Standardi nimetus	Asendatud standardi tähis	Vastavus- hindamise lõpukuupäev asendatud standardi järgi	Märke esma- avaldamise kohta
EN 71-1:1998/ A2:2002	Safety of toys - Part 1: Mechanical and physical properties - Amendment 2	EN 71-1:1998, punktid 4.20, 7.8, 8.31.2.4	31.8.2002	Avaldatud esmakordselt
EN 71-1:1998/ A6:2002	Safety of toys - Part 1: Mechanical and physical properties - Amendment 6	EN 71-1:1998, Punktid 1, 4.17, C.23	30.9.2002	Avaldatud esmakordselt
EN 71-1:1998/ A7:2002	Safety of toys - Part 1: Mechanical and physical properties - Amendment 7	EN 71-1:1998, punktid 4.14.1, 8.41, 8.41.1, 8.41.2, C.17	30.11.2002	Avaldatud esmakordselt
EN 71-2:1993/ AC:1995	Safety of toys - Part 2: Flammability – Corrigendum	-	-	Avaldatud esmakordselt
EN 71-3:1994/ A1/AC:2000	Safety of toys - Part 3: Migration of certain elements – Amendment 1 - Corrigendum	-	-	Avaldatud esmakordselt

**NÕUKOGU DIREKTIIV 89/336/EMÜ elektromagnetilist ühilduvust käsitlevate  
liikmesriikide õigusnormide ühtlustamise kohta 3. mai 1989****(2002/C 190/03)****10.8.2002**

Standardi tähis	Standardi nimetus
EN 12895:2000	Industrial trucks - Electromagnetic compatibility
EN 13309:2000	Construction machinery - Electromagnetic compatibility of machines with internal electrical power supply

# UUED STANDARDID JA KAVANDID ARVAMUSKÜSITLUSEKS

See EVS Teataja osa 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. Kuna võimalusel on ingliskeelsena vastuvõetud standardi nimetus ja käsitusala tõlgitud eesti keelde ja loetelust ei ole aru saada, millised standardid on tõlgitud eesti keelde, on eesti keeles avaldatud standardid toodud ka eraldi nimekirjana Teataja lõpus.

Eesmärgiga tagada standardite vastuvõtmine järgides konsensusse põhimõtteid, peab standardite vastuvõtmisele eelnema standardite kavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul on asjastuhvitatuil võimalik tutvuda standardite kavanditega ning teha ettepanekuid.

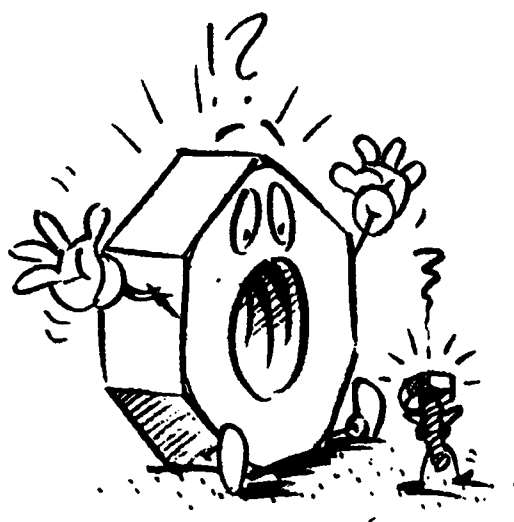
EVS Teatajas on esitatud arvamusküsitlusele:

- 1) Euroopa ja rahvusvahelised standardid, mis on kavas vastu võtta Eesti standarditeks jõustumisteatega (kavandid kättesaadaval standardina inglise keeles EVS raamatukogus ja neid saab osta müügigrupist; EVS tehnilistel komiteedel on võimalik saada koopiaid oma käsitusala kokkulangevatest standarditest EVS kontaktisiku kaudu);
- 2) Eesti standardite kavandid, mis Eesti standardimisprogrammi järgi on jõudnud arvamusküsitluse etappi (kavandid on kättesaadavad eesti keeles standardiosakonnas, neid saab osta müügigrupist);

- 3) Euroopa (prEN) standardite kavandid, mis on saadetud liikmetele arvamusküsitluseks (kavandid on kättesaadavad EVS raamatukogus, v.a Euroopa standarditeks ülevõetavate nende ISO tehniliste komiteede kavandid (prEN ISO), mille töös EVS ei osale, ja neid saab osta müügigrupist. EVS tehnilistel komiteedel on võimalik saada koopiaid oma käsitusala kokkulangevatest kavanditest EVS kontaktisiku kaudu).

EVS Teatajas on kavandid identifitseeritud sellele standardite andmebaasis omistatud projekti numbriga järgi (nt prEVS 18958), kavandite saamiseks on soovitatav ära näidata ka kavandiga identse standardi tähis. Teavet Eesti standardimisprogrammist saab standardiosakonnast.

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).



## ICS PÕHIRÜHMAD

ICS	Nimetus
01	Üldküsimumused. Terminoloogia. Standardimine. Dokumentatsioon
03	Sotsioloogia. Teenused. Ettevõtte organiseerimine ja juhtimine. Haldus. Transport
07	Matemaatika. Loodusteadused
11	Tervisehooldus
13	Keskkonna- ja tervisekaitse. Ohutus
17	Metroloogia ja mõõtmine. Füüsikalised nähtused
19	Katsetamine
21	Üldkasutatavad masinad ja nende osad
23	Üldkasutatavad hüdro- ja pneumosüsteemid ja nende osad
25	Tootmistehnoloogia
27	Elektri- ja soojusenergeetika
29	Elektrotehnika
31	Elektroonika
33	Sidetehnika
35	Infotehnoloogia. Kontoriseadmed
37	Visuaaltehnika
39	Täppismehaanika. Juvelitooted
43	Maanteeõidukite ehitus
45	Raudteetehnika
47	Laevaehitus ja mereehitused
49	Õhusõidukid ja kosmosetehnika
53	Tõste- ja teisaldusseadmed
55	Pakendamine
59	Tekstiili- ja nahatehnoloogia
61	Rõivatööstus
65	Põllumajandus
67	Toiduainete tehnoloogia
71	Keemiline tehnoloogia
73	Mäendus ja maavarad
75	Nafta ja naftatehnoloogia
77	Metallurgia
79	Puidutehnoloogia
81	Klaasi- ja keraamikatööstus
83	Kummi- ja plastitööstus
85	Paberitehnoloogia
87	Värvide ja värvainete tööstus
91	Ehitusmaterjalid ja ehitus
93	Tsiviilehitus
95	Sõjatehnika
97	Olme. Meelelahutus. Sport
99	Muud

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**01.040.17****Metroloogia ja mõõtmise.  
Füüsikalised nähtused  
(sõnavara)**

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Metrology and measurement.  
Physical phenomena  
(Vocabularies)

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54135

Tähtaeg: 2002-12-01

Identne IEC 60268-2:1987+  
A1:1991

ja identne HD 483.2 S2:1993

**Sound system equipment;  
Part 2: Explanation of general  
terms and calculation methods**

Defines, explains and gives  
methods of calculating terms and  
expressions used in this series of  
publications.

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**01.040.23****Üldkasutatavad hüdro- ja  
pneumosüsteemid ja  
nende osad (sõnavara)**

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Fluid systems and  
components for general use  
(Vocabularies)

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**UUED STANDARDID**

**EVS-EN 764-3:2002**

Hind 66,00

Identne EN 764-3:2002

**Pressure equipment - Part 3:  
Definition of parties involved**

This part of this draft European  
Standard gives definitions of  
parties involved in the design,  
manufacture, testing and  
inspection of pressure equipment  
addressed by the European  
Directive 97/23/EC.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 13208

Tähtaeg: 2003-01-01

Identne prEN 1555-1:2002

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

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

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**01.040.25****Tootmistehnoloogia  
(sõnavara)**

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Manufacturing engineering  
(Vocabularies)

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**UUED STANDARDID**

**EVS-EN 61512-1:2002**

Hind 338,00

Identne IEC 61512-1:1997

ja identne EN 61512-1:1999

**Batch control - Part 1: Models  
and terminology**

This part of the standard on Batch  
Control defines reference models  
for batch control as used in the  
process industries and terminology  
that helps explain the relationships  
between these models and terms.  
This standard may not apply to all  
batch control applications.

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**01.040.29****Elektrotehnika (sõnavara)**

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Electrical engineering  
(Vocabularies)

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 28828

Tähtaeg: 2002-12-01

Identne IEC 60383-1:1993

ja identne EN 60383-  
1:1996+A11:1999

**Insulators for overhead lines  
with a nominal voltage above  
1 kV - Part 1: Ceramic or glass  
insulator units for a.c. systems -  
Definitions, test methods and  
acceptance criteria**

This part of IEC 383 applies to  
insulators of ceramic material or  
glass for use on a.c. overhead  
power lines and overhead traction  
lines with a nominal voltage greater  
than 1000 V and a frequency not  
greater than 100 Hz.

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**01.040.45****Raudteetehnika (sõnavara)**

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Railway engineering  
(Vocabularies)

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54145

Tähtaeg: 2003-01-01

Identne prEN 14478:2002

**Railway applications - Braking -  
Generic vocabulary**

This European Standard defines  
the meaning of the common terms  
in use in the field of railway rolling  
stock brakes and braking. It  
includes some terms where the  
principal function of the system or  
component is other than braking.  
Systems, subsystems and  
components not located in the  
train are excluded

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**01.040.59****Tekstiili- ja  
nahatehnoloogia  
(sõnavara)**

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Textile and leather  
technology (Vocabularies)

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54198

Tähtaeg: 2003-01-01

Identne ISO 105-A08:2001

ja identne EN ISO 105-A08:2002

**Textiles - Tests for colour  
fastness - Part A08: Vocabulary  
used in colour measurement**

This part of ISO 105 specifies the  
terms and definitions on colour  
measurements that are throughout  
ISO 105. These definitions are  
intended to be used only within the  
context and scope of ISO 105.

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**01.040.91****Ehitusmaterjalid ja ehitus  
(sõnavara)**

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Construction materials and  
building (Vocabularies)

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**UUED STANDARDID**

**EVS-EN 13888:2002**

Hind 101,00

Identne EN 13888:2002

**Grouts for tiles - Definitions and  
specifications**

This European Standard applies to  
all ceramic tile grouts for internal  
and external tile installations on  
walls and floors. This standard  
gives the terminology concerning  
the products, working methods,  
application properties, etc., for  
ceramic tile grouts.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54151

Tähtaeg: 2003-01-01

Identne prEN 12792:2002

**Ventilation for buildings -  
Symbols, terminology and  
graphical symbols**

This European Standard comprises the symbols and terminology included in the European standards covering 'Ventilation for buildings' produced by CEN/ TC 156

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**01.040.97****Olme. Meelelahutus. Sport (sõnavara)**

Domestic and commercial equipment. Entertainment. Sports (Vocabularies)

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 38284

Tähtaeg: 2003-01-01

Identne prEN 13248:2002

**Cookware - Coffee makers for domestic use with an independent heat source - Definitions, requirements and test methods**

This European standard defines terms, establishes manufacturing, safety and functional requirements and corresponding tests and specifies data for marking, instructions for use and maintenance for domestic coffee makers with an independent heating system

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**01.060****Suurused ja ühikud**

Quantities and units

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**UUED STANDARDID**

**EVS-EN 764-2:2002**

Hind 66,00

Identne EN 764-2:2002

**Pressure equipment - Part 2: Quantities, symbols and units**

This European Standard specifies the basic quantities, symbols and units to be used for pressure equipment and assemblies addressed by the European Directive 97/23/EC.

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**01.070****Värvuskoodid**

Colour coding

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**UUED STANDARDID**

**EVS-EN 13792:2002**

Hind 83,00

Identne EN 13792:2002

**Colour coding of taps and valves for use in laboratories**

This European standard specifies colour codes and nomenclature for liquids, gases and vacuum and the application of these codes and nomenclature on or in the vicinity of laboratory service controls. This European Standard does not apply to medical or healthcare facilities using medical gases from a medical supply system conforming to EN 737

**EVS-EN 61605:2002**

Hind 126,00

Identne IEC 61605:1996

ja identne EN 61605:1997

**Fixed inductors for use in electronic and telecommunication equipment - Marking codes**

This standard specifies marking codes for fixed inductors. The colour code specified in clause 2 gives a colour coding for fixed inductors. It is intended for the use with the values of the E6 to E192 series as specified in IEC 63.

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**01.075****Tähtede tingtähsed**

Character symbols

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54151

Tähtaeg: 2003-01-01

Identne prEN 12792:2002

**Ventilation for buildings - Symbols, terminology and graphical symbols**

This European Standard comprises the symbols and terminology included in the European standards covering 'Ventilation for buildings' produced by CEN/ TC156

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**01.080.20****Eriseadmete graafilised tingtähsed**

Graphical symbols for use on specific equipment

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**UUED STANDARDID**

**EVS-EN 50342:2002**

Hind 146,00

Identne EN

50342+A1:2001+A2:2001

**Lead-acid starter batteries - General requirements, methods of test and numbering**

This standard is applicable to lead-acid batteries with a nominal voltage of 12 v, used primarily as a

power source for the starting of internal combustion engines, lighting and also for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "starter batteries". Batteries with a nominal voltage of 6 v are also included within the scope of this standard. All referenced voltages have to be divided by two for 6 v batteries.

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 26897

Tähtaeg: 2002-12-01

Identne IEC 61429:1995

ja identne EN 61429:1996+

A11:1998

**Marking of secondary cells and batteries with the international recycling symbol ISO 7000-1135**

This International Standard defines the conditions of utilization of the recycling symbol of the International Organization for Standardization (ISO) associated with the chemical symbols indicating the electrochemical system of the battery. This standard applies to lead-acid batteries (Pb) and nickel-cadmium batteries (Ni-Cd).

prEVS 33990

Tähtaeg: 2002-12-01

Identne IEC 60417-2:1998+

A1:2000

ja identne EN 60417-2:1999+

A1:2002

**Graphical symbols for use on equipment - Part 2: Symbol originals**

This part of IEC 60417 contains graphical symbols included in IEC 60417-1 for reproduction purposes.

prEVS 34044

Tähtaeg: 2002-12-01

Identne IEC 60417-1:2000

ja identne EN 60417-1:2002

**Graphical symbols for use on equipment - Part 1: Overview and application**

This part of IEC 60417 contains graphical symbols and their meaning (title and application). The graphical symbols in the standard are primarily intended - to identify the equipment or a part of the equipment (e.g. control or display); - to indicate functional states (e.g. on, off, alarm); - to designate connections (e.g. terminals, filling points for materials); - to provide information on packaging (e.g. identification of content, instructions for handling); - to



provide instruction for the operation of the equipment (e.g. limitations of use).

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### 01.080.30

#### **Elektrotehnika ja elektroonika alastel joonistel, diagrammidel, plaanidel, kaartidel jm tehnilises d**

Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps

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#### **UUED STANDARDID**

EVS-EN 61666:2002

Hind 155,00

Identne IEC 61666:1997

ja identne EN 61666:1997

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

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

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### 01.080.50

#### **Infotehnoloogia ja telekommunikatsioonitehnoloogia alases tehnilises dokumentatsioonis kasutatavad graafilised tingtähisted**

Graphical symbols for use on information technology and telecommunications technical drawings

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#### **UUED STANDARDID**

EVS-EN 81714-3:2002

Hind 155,00

Identne IEC 81714-3:1998

ja identne EN 81714-3:2001

**Design of graphical symbols for use in the technical documentation of products - Part 3: Classification of connect nodes, networks and their encoding**

This part of International Standard 81714 specifies primarily requirements concerning the classification of connect nodes assigned to graphical symbols, being a representation of functional and product concepts. Due to the strong interrelation between the product and its corresponding graphical representation, identical classification principles are applied for both the classification of connect nodes of products as well as for the classification of networks and their representation by graphical symbols in computer-aided systems.

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### 01.100.00

#### **Tehnilised joonised**

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#### **Technical drawings. General**

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#### **UUED STANDARDID**

EVS-EN 61346-1:2002

Hind 272,00

Identne IEC 61346-1:1996

ja identne EN 61346-1:1996

#### **Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules**

This part of ISO/IEC 1346 establishes general principles for describing the structure of information about systems and of the systems themselves. Based on these principles, rules and guidance are given for the formulation of unambiguous reference designations for objects in any system. The reference designation identifies objects for the purpose of correlating information about an object among different kinds of documents and the products implementing the system.

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### 01.100.20

#### **Masinaehitusjoonised**

Mechanical engineering drawings

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 54141

Tähtaeg: 2003-01-01

Identne ISO 15785:2002

ja identne EN ISO 15785:2002

#### **Technical drawings - Symbolic presentation and indication of adhesive, fold and pressed joints**

This International Standard establishes rules for the symbolic presentation and indication of adhesive, fold and pressed joints in technical drawings

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### 01.110

#### **Toote tehniline dokumentatsioon**

Technical product documentation

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#### **UUED STANDARDID**

EVS-EN 13460:2002

Hind 139,00

Identne EN 13460:2002

#### **Maintenance - Documents for maintenance**

This European Standard specifies general guidelines for:- the technical documentation to be supplied with an item, at the latest before it is ready to be put into service, in order to support its maintenance, see clause 5. - the documentation of information to be established within the operational phase of an item, in order to support the maintenance requirements, see annex A.

EVS-EN 61355:2002

Hind 283,00

Identne IEC 61355:1997

ja identne EN 61355:1997

#### **Classification and designation of documents for plants, systems and equipment**

This International Standard provides rules and guidelines for classification and designation of documents used for the preparation of documentation for plants, systems and equipment. It covers all technical areas and is open for further development of documentation and documentation systems. Guidance is also given for applications like communication about documentation and for document identification.

EVS-EN 62079:2002

Hind 283,00

Identne IEC 62079:2001

ja identne EN 62079:2001

#### **Preparation of instructions - Structuring, content and presentation**

This International Standard provides general principles and detailed requirements on the design and formulation of all types of instructions that will be necessary or helpful for products of all kinds ranging from small, simple ones, such as a tin of paint, to large and highly complex ones, such as a large industrial installation.

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 21272

Tähtaeg: 2002-12-01

Identne IEC 61082-

1:1991+A1:1995

ja identne EN 61082-

1:1993+A1:1995

#### **Preparation of documents used in electrotechnology - Part 1: General requirements**

This standard provides general rules and guidelines for the preparation of documents used in electrotechnology, and specific rules and guidelines for certain kinds of documentation.

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### **03.080.10**

#### **Tööstusteenused**

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#### **Industrial services**

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### **UUED STANDARDID**

**EVS-EN 13460:2002**

Hind 139,00

Identne EN 13460:2002

#### **Maintenance - Documents for maintenance**

This European Standard specifies general guidelines for:- the technical documentation to be supplied with an item, at the latest before it is ready to be put into service, in order to support its maintenance, see clause 5. - the documentation of information to be established within the operational phase of an item, in order to support the maintenance requirements, see annex A.

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### **03.240**

#### **Postiteenused**

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#### **Postal services**

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### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54143

Tähtaeg: 2003-01-01

Identne prEN 13619:2002

### **Postal services - Mail item processing - Optical characteristics for processing letters**

This European Standard specifies optical characteristics for processing letters and gives guidelines on the values of these attributes that will assure a high level of address readability. It is aimed at facilitating relations between Postal Operators and Customers by providing information that mailers can use to ensure that the addresses they print can be processed successfully by postal automation systems

prEVS 54296

Tähtaeg: 2003-01-01

Identne prEN 14508:2002

#### **Postal services - Quality of service - Measurement of the transit time of end-to-end services for single piece non-priority mail and first class mail**

In addition to prEN 13850 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

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### **07.100.20**

#### **Vee mikrobioloogia**

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#### **Microbiology of water**

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### **UUED STANDARDID**

**EVS-EN 12780:2002**

Hind 109,00

Identne EN 12780:2002

#### **Water quality - Detection and enumeration of Pseudomonas aeruginosa by membrane filtration**

This European Standard presents a method for the isolation and enumeration of Pseudomonas aeruginosa in bottled water samples by a membrane filtration technique. This method can also be applied to other types of water with a low background flora, for example pool waters and waters intended for human consumption.

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### **07.100.30**

#### **Toiduainete mikrobioloogia**

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#### **Food microbiology**

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### **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 39889

Tähtaeg: 2003-01-01

Identne ISO 16654:2001

ja identne EN ISO 16654:2001

#### **Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Escherichia coli O157**

This standard specifies a horizontal method for the detection of Escherichia coli serotype O157

prEVS 54139

Tähtaeg: 2003-01-01

Identne ISO 6579:2002

ja identne EN ISO 6579:2002

#### **Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Salmonella spp**

This International Standard specifies a horizontal method for the detection of salmonella, including Salmonella Typhi and Salmonella paratyphi.

prEVS 54344

Tähtaeg: 2003-01-01

Identne ISO/DIS 22174:2002

ja identne prEN ISO 22174:2002

#### **Microbiology of food and animal feeding stuffs - Polymerase chain reaction (PCR) for the detection of food-borne pathogens - General method specific requirements**

This standard applies to the testing of foodstuffs and isolates obtained from them for food-borne pathogens using the polymerase chain reaction (PCR) and relates to the general requirements for the in vitro amplification of nucleic acid sequences (DNA or RNA) and for the detection of the specific amplified nucleic acid sequence

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### **07.100.99**

#### **Muud mikrobioloogiaga seotud standardid**

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Other standards related to microbiology

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### **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 54177

Tähtaeg: 2003-01-01

Identne prEN 14065:2002  
**Textiles - Laundry processed  
textiles - Biocontamination  
control system**

This European Standard describes a management system for ensuring the microbiological quality of laundry processed textiles used in specifically defined sectors in which it is necessary to control biocontamination. This document describes a Risk Analysis and Biocontamination Control (RABC) system to enable laundries to continuously assure the microbiological quality of the laundered textiles

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**11.040.00**

**Meditsiinivarustus**

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**Medical equipment**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54391  
Tähtaeg: 2002-12-01  
Identne EN 60601-1:1990/A13:1996

**Elektrilised meditsiiniseadmed.  
Osa 1: Üldised ohutusnõuded**

This is the major revised and updated baseline of standards for the safety of all medical electrical equipment used by or under the supervision of qualified personnel in the general medical and patient environment. It also contains certain requirements for reliable operation to ensure safety. Note the change of title from the first (1977) edition. (For particular requirements see series 601-2 below.)

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**11.040.01**

**Meditsiinivarustus üldiselt**

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**Medical equipment in  
general**

**UUED STANDARDID**

**EVS-EN 61847:2002**

Hind 170,00  
Identne IEC 61847:1998  
ja identne EN 61847:1998  
**Ultrasonics - Surgical systems -  
Measurement and declaration of  
the basic output characteristics**  
This International Standard specifies: the essential non-thermal output characteristics of ultrasonic surgical units; methods of measurement of these output characteristics; those characteristics

which should be declared by the manufacturers of such equipment. This standard is applicable to: ultrasonic surgical systems whose use is the fragmentation cutting of human tissue, whether or not those effects are delivered in conjunction with tissue removal or coagulation, etc.

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54390  
Tähtaeg: 2002-12-01  
Identne IEC 60601-1-2:2001  
ja identne EN 60601-1-2:2001

**Medical electrical equipment -  
Part 1-2: General requirements  
for safety - Collateral Standard:  
Electromagnetic compatibility -  
Requirements and tests**

Applies to medical equipment, medical electrical systems, information technology equipment used in medical electrical application, and all other equipment forming part of medical electrical systems. Specifies general requirements and tests for electromagnetic compatibility of equipment and/or systems  
prEVS 54392

Tähtaeg: 2002-12-01  
Identne IEC 60601-1-4:1996/A1:1999  
ja identne EN 60601-1-4:1996/A1:1999

**Elektrilised meditsiiniseadmed.  
Osa 1: Üldised ohutusnõuded 4.  
kollateraalsandard:**

**Programmeeritavad elektrilised  
meditsiinisüsteemid**  
Specifies requirements for the process by which a programmable electrical medical system is designed. Serves as the basis of requirements of Particular Standards, including serving as a guide to safety requirements for the purpose of reducing and managing risk. This standard covers requirement specification, architecture, detailed design and implementation software development, modification, verification and validation, marking and accompanying documents  
prEVS 54395

Tähtaeg: 2002-12-01  
Identne IEC 60601-2-30:1999  
ja identne EN 60601-2-30:2000

**Medical electrical equipment -  
Part 2-30: Particular  
requirements for the safety,  
including essential  
performance, of automatic  
cycling non-invasive blood  
pressure monitoring equipment**  
This Standard specifies the particular safety requirements for AUTOMATIC CYCLING INDIRECT BLOOD PRESSURE MONITORING EQUIPMENT as defined in 2.101 and hereinafter also referred to as equipment. This Particular Standard does not apply to blood pressure measuring equipment which uses finger transducers or to semi-automatic blood pressure measuring equipment (typically in which each determination needs to be initiated manually).

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**11.040.10**

**Anesteesia-, hingamis- ja  
reanimatsioonivarustus**

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**Anaesthetic, respiratory and  
resuscitation equipment**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54403  
Tähtaeg: 2003-01-01  
Identne prEN 1733:2002

**Hingamisteedes kasutatavad  
aspiratsioonikateetrid**  
This standard specifies requirements for suction catheters made of plastics materials and intended for use in suction of the respiratory tract. Specialized suction catheters are excluded from the scope of this standard. Angled tip suction catheters (e.g. Coudé catheters) are not considered to be specialized and are therefore included in the scope

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**11.040.20**

**Transfusiooni, infusiooni  
ja süstimise varustus**

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**Transfusion, infusion and  
injection equipment**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 21764  
Tähtaeg: 2003-02-01  
Identne ISO 8536-2:2001  
ja identne EN ISO 8536-2:2002  
**Infusion equipment for medical  
use - Part 2: Closures for  
infusion bottles**

This part of ISO 8536 specifies the design, dimensions, materials, performance requirements and testing of closures for infusion bottles as specified in ISO 8536-1.

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### 11.040.30

#### **Kirurgiariistad ja materjalid**

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Surgical instruments and materials

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54393

Tähtaeg: 2002-12-01

Identne IEC 60601-2-2:1998

ja identne EN 60601-2-2:2000

**Medical electrical equipment - Part 2-2: Particular requirements for the safety of high frequency surgical equipment**

This Particular Standard specifies requirements for the safety of high frequency surgical equipment and its associated accessories used in surgical cutting or coagulation.

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### 11.040.40

#### **Kirurgilised implantaadid, proteesimine ja ortopeedia**

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Implants for surgery, prosthetics and orthotics

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 27836

Tähtaeg: 2002-12-01

Identne EN 50061:1988+A1:1995

**Safety of implantable cardiac pacemakers**

This standard specifies safety and other requirements exclusively for all types of wholly implantable cardiac pacemakers. This standard also establishes basic terminology and definitions and includes requirements for the marking of pacemakers and their packaging. In addition, minimum requirements are specified for the ability of pacemakers to withstand environmental stress conditions. Appropriate test methods are given. This standard specifies the requirements for the reliable operation of pacemakers only insofar as they affect safety.

prEVS 27838

Tähtaeg: 2002-12-01

Identne EN 50077:1993

#### **Low-profile connector for implantable cardiac pacemakers**

This European standard specifies a connector assembly to be used to connect implantable pacemaker leads to implantable pulse generators. Essential dimensions and performance requirements are specified, together with appropriate test methods. However, this standard does not address all aspects of the functional compatibility and reliability of different leads and pulse generators assembled into a pacemaker system.

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### 11.040.50

#### **Radiograafiaseadmed**

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Radiographic equipment

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#### **UUED STANDARDID**

**EVS-EN 61846:2002**

Hind 163,00

Identne IEC 61846:1998

ja identne EN 61846:1998

**Ultrasonics - Pressure pulse lithotripters - Characteristics of fields**

This International Standard is applicable to: lithotripsy equipment using extracorporeally induced pressure waves; lithotripsy equipment producing focused mechanical energy. It does not apply to percutaneous and laser lithotripsy equipment. This International Standard specifies: measurable parameters which could be used in the declaration of the acoustic output of extracorporeal lithotripsy equipment; methods of measurement and characterization of the pressure field generated by lithotripsy equipment.

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### 11.040.55

#### **Diagnostikaseadmed**

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Diagnostic equipment

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#### **UUED STANDARDID**

**EVS-EN 1060-1:1999/A1:2002**

Hind 57,00

Identne EN 1060-1:1995/A1:2002

**Mitteinvasiivsed sfügmomanomeetrid. Osa 1: Üldnõuded**

Standardi käesolev osa esitab üldnõuded mitteinvasiivsetele sfügmomanomeetritele ning nende lisaseadmetele, mida kasutatakse mitteinvasiivseks arteriaalse vererõhu mõõtmiseks täispuhutava manseti abil. Standard esitab funktsioneerimise, jõudluse, mehaanilise ja elektrilise ohutuse nõuded neile seadmetele ning annab testimismeetodid.

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54381

Tähtaeg: 2002-12-01

Identne IEC 60601-2-33:2002

ja identne EN 60601-2-33:2002

**Medical electrical equipment - Part 2-33: Particular requirements for the safety of magnetic resonance equipment for medical diagnosis**

This particular standard applies to MAGNETIC RESONANCE EQUIPMENT. This standard does not cover MAGNETIC RESONANCE EQUIPMENT intended for use in medical research.

prEVS 54382

Tähtaeg: 2002-12-01

Identne IEC 60601-2-34:2000

ja identne EN 60601-2-34:2000

**Medical electrical equipment - Part 2-34: Particular requirements for the safety, including essential**

**performance, of invasive blood pressure monitoring equipment**

This Particular Standard applies to DIRECT BLOOD-PRESSURE MONITORING EQUIPMENT as defined in 2.101, hereinafter referred to as EQUIPMENT. This Particular Standard does not apply to catheter tubing, catheter needles, Luer locks, taps and taptables, etc. This Particular Standard also does not apply to indirect blood-pressure monitoring equipment

prEVS 54394

Tähtaeg: 2002-12-01

Identne IEC 60601-2-23:1999

ja identne EN 60601-2-23:2000

**Medical electrical equipment - Part 2-23: Particular requirements for the safety, including essential**

**performance, of transcutaneous partial pressure monitoring equipment**

Specifies the particular requirements for the safety of transcutaneous partial pressure monitoring equipment. Applies to transcutaneous monitors used with adults, children and neonates and includes the use of these devices in foetal monitoring during birth.

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## 11.040.70

### Silmaraviseadmed

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#### Ophthalmic equipment

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 53841

Tähtaeg: 2003-01-01

Identne ISO 8321-1:2002

ja identne EN ISO 8321-1:2002

#### Ophthalmic optics -

#### Specifications for material, optical and dimensional properties of contact lenses - Part 1: Rigid corneal and scleral contact lenses

This part of ISO 8321 specifies requirements for rigid corneal and scleral contact lenses including tolerance limits for material, optical and dimensional properties

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## 11.080.20

### Desinfektsiooni- ja antiseptilised vahendid

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#### Disinfectants and antiseptics

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54118

Tähtaeg: 2003-01-01

Identne prEN 14476:2002

#### Chemical disinfectants and antiseptics - Virucidal quantitative suspension test for chemical disinfectants and antiseptics used in human medicine - Test method and requirements (phase 2/step 1)

This European standard specifies test methods and minimum requirements for virucidal activity of chemical disinfectants or antiseptic products for instruments, surfaces or hands that form a homogeneous physically stable preparation in water

prEVS 54404

Tähtaeg: 2003-01-01

Identne prEN 13610:2002

#### Chemical disinfectants - Quantitative suspension test for the evaluation of virucidal activity against bacteriophages of chemical disinfectants used in food and industrial areas - Test method and requirements (phase 2, step 1)

This European Standard specifies a test method (phase 2, step 1) and requirements for the minimum virucidal activity against bacteriophages of chemical disinfectants that form a homogeneous, physically stable preparation in hard water and that are used in food and industrial areas, excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues

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## 11.100

### Laboratoorne meditsiin

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#### Laboratory medicine

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54385

Tähtaeg: 2003-01-01

Identne prEN 13975:2002

#### Sampling procedures used for acceptance testing of in vitro diagnostic medical devices - Statistical aspects

This European Standard specifies sampling procedure requirements for acceptance testing of finished in vitro diagnostic medical devices, which require EC verification by a notified body

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## 11.140

### Haiglavarustus

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#### Hospital equipment

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 24371

Tähtaeg: 2003-01-01

Identne ISO 11810:2002

ja identne EN ISO 11810:2002

#### Optics and optical instruments - Lasers and laser-related equipment - Surgical drapes and patient protective covers suitable for use with lasers

This International Standard specifies a standardized method for testing and classifying surgical drapes and other patient-protective covers with respect to laser-induced hazards

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## 11.160

### Esmaabi

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#### First aid

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54319

Tähtaeg: 2003-01-01

Identne EN 1789:1999/prA1:2002

#### Meditisiinilised

#### transpordivahendid ja nende varustus. Kiirabiautod

The Standard specifies requirements for the design and performance of medical road vehicles (ambulances) used for the transport of sick or injured persons. This standard is applicable to medical vehicles capable of transporting at least one person on a stretcher

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## 13.030.10

### Tahked jäätmed

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#### Solid wastes

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#### UUED STANDARDID

EVS-EN 12457-1:2002

Hind 155,00

Identne EN 12457-1:2002

#### Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 1: one stage batch test at a liquid to solid ratio of 2 l/kg with particle size below 4mm (without or with size reduction)

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 2 l/kg dry matter. It applies to waste which has a particle size below 4 mm without or with size reduction (as specified in 4.3.2)

EVS-EN 12457-3:2002

Hind 163,00

Identne EN 12457-3:2002

#### Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 3: Two stage batch test at a liquid to solid ratio of 2 l/kg and 8 l/kg for materials with high solid content and with particle size below 4 mm (without or with size reduction)

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 2 l/kg dry matter in a first step and subsequently of 8 l/kg dry matter in a second step. It applies to waste which has a particle size below 4 mm without or with size reduction (as specified in 4.3.2)

**EVS-EN 12457-4:2002**

Hind 155,00

Identne EN 12457-4:2002

**Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 4: One stage batch test at a liquid to solid ratio of 10 l/kg for materials with particle size below 10 mm (without or with size reduction)**

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 10 l/kg dry matter. It applies to waste which has a particle size below 10 mm without or with size reduction (as specified in 4.3.2)

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54061

Tähtaeg: 2003-01-01

Identne EN 12457-2:2002

**Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 2: One stage batch test at a liquid to solid ratio of 10 l/kg for materials with particle size below 4 mm (without or with size reduction)**

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 10 l/kg dry matter. It applies to waste which has a particle size below 4 mm without or with size reduction (as specified in 4.3.2)

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**13.030.20**

**Vedelad jäätmed. Sete**

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Liquid wastes. Sludge

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**UUED STANDARDID**

**EVS-EN 12457-1:2002**

Hind 155,00

Identne EN 12457-1:2002

**Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 1: one stage batch test at a liquid to solid ratio of 2 l/kg with particle size below 4mm (without or with size reduction)**

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 2 l/kg dry matter. It applies to waste which has a particle size below 4 mm without or with size reduction (as specified in 4.3.2)

**EVS-EN 12457-3:2002**

Hind 163,00

Identne EN 12457-3:2002

**Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 3: Two stage batch test at a liquid to solid ratio of 2 l/kg and 8 l/kg for materials with high solid content and with particle size below 4 mm (without or with size reduction)**

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 2 l/kg dry matter in a first step and subsequently of 8 l/kg dry matter in a second step. It applies to waste which has a particle size below 4 mm without or with size reduction (as specified in 4.3.2)

**EVS-EN 12457-4:2002**

Hind 155,00

Identne EN 12457-4:2002

**Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 4: One stage batch test at a liquid to solid ratio of 10 l/kg for materials with particle size below 10 mm (without or with size reduction)**

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 10 l/kg dry matter. It applies to waste which has a particle size below 10 mm without or with size reduction (as specified in 4.3.2)

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54061

Tähtaeg: 2003-01-01

Identne EN 12457-2:2002

**Characterisation of waste - Leaching - Compliance test for leaching of granular waste materials and sludges - Part 2: One stage batch test at a liquid to solid ratio of 10 l/kg for materials with particle size below 4 mm (without or with size reduction)**

This part of four European Standards specifies a compliance test providing information on leaching of granular wastes and sludges under the experimental conditions specified hereafter, and particularly a liquid to solid ratio of 10 l/kg dry matter. It applies to waste which has a particle size below 4 mm without or with size reduction (as specified in 4.3.2)

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**13.030.40**

**Jäätmeoidlad ja jäätmekäitlusseadmed**

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Installations and equipment for waste disposal and treatment

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54076

Tähtaeg: 2003-01-01

Identne prEN 13656:2002

**Characterization of waste Microwave assisted digestion with hydrofluoric (HF), nitric (HNO<sub>3</sub>) and hydrochloric (HCl) acid mixture for subsequent determination of elements**

This European Standard specifies methods of microwave assisted digestion with hydrofluoric (HF), nitric (HNO<sub>3</sub>) and hydrochloric (HCl) acid mixture. Solutions produced by the methods are suitable for analysis e.g. by atomic absorption spectrometry (FLAAS, HGAAS, CVAAS, GFAAS), inductively coupled plasma emission spectrometry (ICP-OES) and inductive coupled plasma mass spectrometry (ICP-MS)  
prEVS 54077

Tähtaeg: 2003-01-01

Identne prEN 13657:2002

**Characterization of waste - Digestion for subsequent determination of aqua regia soluble portion of elements**

This European Standard specifies methods of digestion with aqua regia. Solutions produced by the methods are suitable for analysis e.g. by atomic absorption spectrometry (FLAAS, HGAAS, CVAAS, GFAAS), inductively coupled plasma emission spectrometry (ICP-OES) and inductive coupled plasma mass spectrometry (ICP-MS)

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**13.040**

**Õhu kvaliteet**

**ARVAMUSKÜSITLUS**

prEVS 54034

Tähtaeg: 2002-12-01

Identne: EVS 839:2002

**Sisekliima**

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**13.040.30**

**Töökeskonna õhu kvaliteet**

**Workplace atmospheres**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54020

Tähtaeg: 2003-01-01

Identne prEN 14042:2002

**Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents**

This European Standard provides guidance on the selection of procedures, and the installation, use and maintenance of devices for the determination of concentrations of chemical or biological agents in workplace atmospheres  
prEVS 54121

Tähtaeg: 2003-01-01

Identne prEN 14412:2002

**Indoor air quality - Diffusive samplers for the determination of concentration of gases and vapours - Guide for selection, use and maintenance**

This European Standard gives guidance on the selection, use and maintenance of diffusive samplers used to analyse gaseous pollutants in indoor air including measurement strategy and planning

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**13.060.20**

**Joogivee kvaliteet**

**Drinking water**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 35556

Tähtaeg: 2003-01-01

Identne prEN 13076:2002

**Devices to prevent pollution by backflow of potable water - Unrestricted air gap-Family A - Type A**

This European standard specifies the characteristics and the requirements of unrestricted air gaps Family A Type A intended for protection of potable water in water installations from pollution  
prEVS 39271

Tähtaeg: 2003-01-01

Identne prEN 13443-1:2002

**Water conditioning equipment inside buildings - Mechanical filters - Part 1: Particle rating 80 µm to 150 µm - Requirements for performances and safety, testing**

Part 1 of this European standard applies to mechanical filters for drinking water installations inside buildings, of nominal size from DN 15 to DN 100, minimum nominal pressure PN10, particle rating of 80 µm to 150 µm, and minimum design temperature of 30° C. It specifies requirements relating to the construction and mode of operation of filters and describes relevant methods of testing. It only concerns units which are permanently connected

to the mains supply at the point of entry into the building

prEVS 54227

Tähtaeg: 2003-01-01

Identne prEN 14506:2002

**Devices to prevent pollution by backflow of potable water - Automatic diverter - Family H, type C**

This draft European standard specifies :- the field of application ; - the requirements for automatic diverter ; - the dimensional and the physico-chemical properties and the properties of general hydraulic, mechanical and acoustic design to automatic diverter

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**13.100**

**Kutseohutus.**

**Tööstushügieen**

Occupational safety.

Industrial hygiene

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 33867

Tähtaeg: 2003-01-01

Identne ISO 9886:1992

ja identne EN ISO 9886:2001

**Evaluation of thermal strain by physiological measurements**

This International Standard describes methods for measuring and interpreting the following physiological parameters: body core temperature, skin temperatures, heart rate, body mass loss

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**13.110**

**Masinate ohutus**

**Safety of machinery**

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**UUED STANDARDID**

**EVS-EN 61496-3:2002**

Hind 283,00

Identne IEC 61496-3:2001

ja identne EN 61496-3:2001

**Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for Active Opto-electronic Protective Devices responsive to Diffuse Reflection (AOPDDR)**  
Specifies additional requirements for the design, construction and testing of electro-sensitive protective equipment (ESPE) for the safeguarding of machinery, employing active opto-electronic protective devices responsive to



diffuse reflection (AOPDDR) for the sensing function.

#### **EVS-EN ISO 14738:2002**

Hind 163,00

Identne ISO 14738:2002

ja identne EN ISO 14738:2002

#### **Safety of machinery - Anthropometric requirements for the design of workstations at machinery**

This European Standard establishes principles for deriving dimensions from anthropometric measurements and applying them to the design of workstations at non-mobile machinery. It is based on current ergonomic knowledge and anthropometric measurements

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### **13.120**

#### **Ohutus kodus**

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##### **Domestic safety**

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54238

Tähtaeg: 2002-12-01

Identne IEC 60335-2-

41:1996/A1:2000

ja identne EN 60335-2-

41:1996/A1:2001

#### **Safety of household and similar electrical appliances - Part 2-41: Particular requirements for pumps**

This standard deals with the safety of electric pumps for liquids having a temperature not exceeding 35 °C, which are intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

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### **13.180**

#### **Ergonoomia**

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##### **Ergonomics**

#### **UUED STANDARDID**

**EVS-EN ISO 14738:2002**

Hind 163,00

Identne ISO 14738:2002

ja identne EN ISO 14738:2002

#### **Safety of machinery - Anthropometric requirements for the design of workstations at machinery**

This European Standard establishes principles for deriving dimensions from anthropometric measurements and applying them to the design of workstations at non-mobile machinery. It is based on current ergonomic knowledge and anthropometric measurements

**EVS-EN ISO 15007-1:2002**

Hind 75,00

Identne ISO 15007-1:2002

ja identne EN ISO 15007-1:2002

#### **Road vehicles - Measurement of driver visual behaviour with respect to transport information and control systems - Part 1: Definitions and parameters**

This part of ISO 15007 defines key terms and parameters in the analysis of driver visual behaviour. It can be applied in environments from real-world trials to laboratory-based driving simulator studies.

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 33867

Tähtaeg: 2003-01-01

Identne ISO 9886:1992

ja identne EN ISO 9886:2001

#### **Evaluation of thermal strain by physiological measurements**

This International Standard describes methods for measuring and interpreting the following physiological parameters: body core temperature, skin temperatures, heart rate, body mass loss

prEVS 34173

Tähtaeg: 2003-01-01

Identne ISO 15005:2002

ja identne EN ISO 15005:2002

#### **Road vehicles - Ergonomic aspects of transport information and control systems - Dialogue management principles and compliance procedures**

This International Standard presents ergonomic principles for the design of the dialogues that take place between the driver of a road vehicle and the vehicle's transport information and control systems (TICS) while the vehicle is in motion. It also specifies compliance verifications for the requirements related to these principles.

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### **13.200**

#### **Avariide ja õnnetuste vältimine**

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##### **Accident and disaster control**

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 29014.

Tähtaeg: 2002-12-01

Identne EN 50073:1999

#### **Guide for selection, installation, use and maintenance of apparatus for the detection and measurement of combustible gases or oxygen**

This document gives guidance on the selection, installation, use and maintenance of electrically operated Group II 1 apparatus intended for use in industrial and commercial safety applications for the detection and measurement of: Combustible gases, complying with the requirements of EN 50054, EN 50057, EN 50058 or oxygen complying with the requirements of EN 50104 or apparatus approved by an accredited institution following other methods of performance testing for the above two cases.

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### **13.220**

#### **Tuleohutus**

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##### **Protection against fire**

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54300

Tähtaeg: 2003-01-01

Identne prEN 54-17:2002

#### **Fire detection and fire alarm systems - Part 17: Short circuit isolators**

This European Standard specifies requirements, test methods and performance criteria for short circuit isolators, for use in fire detection and fire alarm systems for buildings (see EN 54-1:1996)

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### **13.220.10**

#### **Tuletõrje**

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##### **Fire-fighting**

#### **UUED STANDARDID**

**EVS-EN 1947:2002**

Hind 170,00

Identne EN 1947:2002

### **Fire-fighting hoses - Semi-rigid delivery hoses and hose assemblies for pumps and vehicles**

This European Standard specifies the requirements and test methods for semi-rigid reel hoses for use on firefighting vehicles and trailer pumps. The hoses are intended for use at a maximum working pressure of 1,5 MPa for normal pressure hoses (category I) and 4,0 MPa for high pressure hoses (category II). The hoses are further subdivided into types and classes (see clause 4). The standard applies to delivery hoses for fire-fighting purposes intended for use at a minimum temperature of -20 °C. Hoses conforming to this standard should be used with fire hose couplings conforming to the relevant national standards couplings. Requirements are also given for hose assemblies (see clause 8) where these are fitted by the hose manufacturer.

**EVS-EN 1028-1:2002**

Hind 163,00

Identne EN 1028-1:2002

### **Fire-fighting pumps - Fire-fighting centrifugal pumps with primer - Part 1: Classification - General and safety requirements**

This standard applies for centrifugal pumps with priming devices for fire-fighting use supplied separately without driver and couplings. Fire-fighting centrifugal pumps with primer are defined as terminated by their inlet and outlet connections as well as by their shaft ends. This standard applies for fire-fighting centrifugal pumps with priming devices for use under ambient temperatures between -15 °C and 40 °C.

**EVS-EN 1028-2:2002**

Hind 170,00

Identne EN 1028-2:2002

### **Fire-fighting pumps - Fire-fighting centrifugal pumps with primer - Part 2: Verification of general and safety requirements**

This standard covers verification of the general and safety requirements of fire-fighting centrifugal pumps with primer as specified in clauses 7 and 8 of prEN 1028-1:2001. This standard does not apply to verification related to installation. This standard does not apply to fire-fighting centrifugal pumps with primer that are manufactured

before the date of publication by CEN of this standard.

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54107

Tähtaeg: 2003-01-01

Identne prEN 3-7:2002

### **Portable fire extinguishers - Part 7: Characteristics, performance requirements and test methods**

This standard specifies the characteristics, performance requirements and test methods for portable fire extinguishers. Reference to the suitability of an extinguisher for use on gaseous fires (class C fires) are at the manufacturer's discretion, but are applied only to powder type extinguishers which have gained a class B or class A and class B rating

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## **13.220.20**

### **Tulekaitsevahendid**

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#### **Fire protection**

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### **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 15402

Tähtaeg: 2003-01-01

Identne prEN 54-12:2002

### **Fire detection and fire alarm systems - Part 12: Smoke detectors - Line detectors using an optical light beam**

This European Standard specifies requirements, test methods and performance criteria for line smoke detectors utilising the attenuation and/or changes in attenuation of an optical beam, for use in fire detection systems installed in buildings

prEVS 27011

Tähtaeg: 2003-01-01

Identne prEN 12101-2:2002

### **Smoke and heat control systems - Part 2: Specification for natural smoke and heat exhaust ventilators**

This part of this European Standard specifies requirements and gives test methods for natural smoke and heat exhaust ventilators which are intended to be installed as a component of a natural smoke and heat exhaust system

prEVS 39744

Tähtaeg: 2003-01-01

Identne EN 12259-5:2002

### **Fixed firefighting systems - Components for sprinkler and water spray systems - Part 5: Water flow detectors**

This Part of EN 12259 specifies requirements for construction and performance and tests for water flow detectors for use in wet pipe automatic sprinkler systems conforming to EN 12845, Automatic sprinkler systems: Design and installation. Auxiliary components and attachments to water flow detectors are not covered by this standard.

prEVS 39783

Tähtaeg: 2003-01-01

Identne prEN 12094-9:2002

### **Fixed firefighting systems - Components for gas extinguishing systems - Part 9: Requirements and test methods for special fire detectors**

This European Standard specifies requirements and test methods for special fire detectors, other than fire detectors covered by EN 54-1, used in CO<sub>2</sub>-, Inert gas- or Halocarbon gas and other fire extinguishing systems

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## **13.220.40**

### **Materjalide ja toodete süttivus ning põlemislaad**

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Ignitability and burning behaviour of materials and products

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## **UUED STANDARDID**

**EVS-EN 50266-1:2002**

Hind 117,00

Identne EN 50266-1:2001

### **Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 1: Apparatus**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-1:2002**

Hind 83,00

Identne EN 50266-2-1:2001

### **Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-1: Procedures; Category A F/R**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-2:2002**

Hind 92,00

Identne EN 50266-2-2:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-2: Procedures; Category A**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electric or optical, under defined conditions.

**EVS-EN 50266-2-3:2002**

Hind 92,00

Identne EN 50266-2-3:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-3: Procedures; Category B**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-4:2002**

Hind 92,00

Identne EN 50266-2-4:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-4: Procedures; Category C**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-5:2002**

Hind 83,00

Identne EN 50266-2-5:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-5: Procedures; Small cables; Category D**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 24371

Tähtaeg: 2003-01-01

Identne ISO 11810:2002

ja identne EN ISO 11810:2002

**Optics and optical instruments -**

**Lasers and laser-related equipment - Surgical drapes and patient protectives covers suitable for use with lasers**

This International Standard specifies a standardized method for testing and classifying surgical drapes and other patient-protective covers with respect to laser-induced hazards

prEVS 27468

Tähtaeg: 2002-12-01

Identne EN 50200:2000

**Method of test for resistance to fire of unprotected small cables for use in emergency circuits**

This European standard specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. This standard is applicable to cables for emergency circuits of rated voltage not exceeding 600/1000V, including those of rated voltage below 80V and for emergency circuit optical fibre cables.

prEVS 33711

Tähtaeg: 2002-12-01

Identne IEC 60707:1999

ja identne EN 60707:1999

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

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

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## **13.220.50**

### **Ehitusmaterjalide ja -elementide tulepüsisuvus**

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Fire-resistance of building materials and elements

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## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 54167

Tähtaeg: 2003-01-01

Identne prEN 14496:2002

**Gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards - Definitions, requirements and test methods**

This European standard specifies the characteristics and performances of gypsum based adhesives which are composed of gypsum plasters defined in prEN 13279-1 and of additives. They are used for fixing gypsum plasterboard linings and gypsum plasterboard thermal/acoustic insulation composite panels to walls and partitions. They assist in the construction of systems which provide thermal and acoustic performance

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## **13.230**

### **Plahvatusohutus**

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Explosion protection

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## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 54209

Tähtaeg: 2003-01-01

Identne prEN 14491:2002

**Dust explosion venting protective systems**

This European Standard describes the basic requirements for the design and application of a dust explosion venting protective system

prEVS 54346

Tähtaeg: 2003-01-01

Identne prEN 13673-2:2002

**Determination of maximum explosion pressure and maximum explosion pressure rise of gases and vapours - Part 2: Determination of the maximum explosion pressure rise**

The standard test method is designed to produce measurements of the explosion pressure rise and the maximum explosion pressure rise of a flammable gas/air/inert mixture in a closed volume at ambient temperature and pressure. In this standard, the term "gas" includes vapours but not mists. Detonation and decomposition phenomena are not considered in this standard

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### 13.240

#### Ülerõhukaitse

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Protection against excessive pressure

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54336

Tähtaeg: 2003-01-01

Identne prEN 14513:2002

#### Transportable gas cylinders - Bursting disc pressure relief devices

This standard specifies the requirements for the design, manufacture and testing for bursting disc pressure relief devices for use with gas cylinders. It is a requirement of this standard that the bursting disc pressure relief devices conform to prEN ISO 4126-2. In the event of a conflict, the requirements of this standard take precedence over that standard

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### 13.260

#### Elektrilõögikaitse

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Protection against electric shock

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#### UUED STANDARDID

EVS-EN 50340:2002

Hind 163,00

Identne EN 50340:2001

#### Hydraulic cable cutting devices - Devices to be used on electrical installations with nominal voltage up to AC 30 kV

This standard is applicable to cable cutting devices to be used to verify that a cable is dead in accordance with the rules given in EN 50110. Cable cutting devices specified in this standard are for use on systems with nominal voltage up to 30 kV AC and nominal frequencies up to 60 Hz. For devices to be used on systems with nominal voltages above 30 kV AC this standard should be used as a guide

but additional requirements and tests shall be agreed between manufacturer and customer to provide for an equivalent level of safety. These devices are not designed to be used on cables with special armour, or with steel wires or steel tapes more than 1 mm in diameter or thickness.

EVS-EN 61479:2002

Hind 247,00

Identne IEC 61479:2001

ja identne EN 61479:2001

#### Live working - Flexible conductor covers (line hoses) of insulating material

This standard is applicable to flexible insulating covers (line hoses) for the protection of workers from accidental contact with live or earthed electrical conductors and for the avoidance of short circuits during live working.

EVS-EN 61481:2002

Hind 283,00

Identne IEC 61481:2001

ja identne EN 61481:2001

#### Live working - Portable phase comparators for voltages from 1 kV to 36 kV a.c.

This standard is applicable to portable phase comparators with or without built in power source to be used on electrical systems for voltages of 1 to 36 kV a.c. and frequencies from 50 Hz to 60 Hz. This standard is applicable to two pole phase comparators having a connection lead between, two pole phase comparators operating with wireless connection, single pole phase comparators operating with memory system.

EVS-EN 61958:2002

Hind 199,00

Identne IEC 61958:2000

ja identne EN 61958:2001

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

This International Standard IEC 61958 is applicable to voltage presence indicating systems (VPIS) incorporated in a.c. switchgear and controlgear covered by IEC 60298 or IEC 60466. Voltage presence indicating systems are devices used to provide information to operators about the voltage condition of the main circuit of the switchgear in which they are installed. The indication of VPIS alone is not sufficient to prove that

the system is dead: if operating procedures make it mandatory, relevant voltage detectors according to IEC 61243 shall be used. This standard is also applicable to phase comparators specifically designed for use with VPIS.

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### 13.280

#### Kiirguskaitse

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Radiation protection

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#### UUED STANDARDID

EVS-EN 1073-2:2002

Hind 92,00

Identne EN 1073-2:2002

#### Protective clothing against radioactive contamination - Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination

This European Standard specifies the requirements and test methods for non-ventilated protective clothing protecting the wearer against particulate radioactive contamination. Such clothing is intended to protect only the body, arms and legs of the wearer, but it may be used with accessories which provide protection to additional areas of the wearer (e.g. boots, gloves, RPE). Protection to these other areas is specified in other European Standard

EVS-EN 12254:1999/A1:2002

Hind 75,00

Identne EN 12254:1998/A1:2002

#### Screens for laser working places - Safety requirements and testing

This standard specifies functional requirements and a product labelling system applicable to a range of temporary and permanent passive guards for protection against laser radiation. This standard includes test methods for testing functional performance and also the specification of the user documentation to be supplied with the product.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54132

Tähtaeg: 2002-12-01

Identne EN 50371:2002

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

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### 13.300

#### **Kaitse ohtlike kaupade eest**

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Protection against dangerous goods

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#### **UUED STANDARDID**

**EVS-EN 13315:2002**

Hind 75,00

Identne EN 13315:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Gravity discharge coupler**

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

**EVS-EN 12561-3:2002**

Hind 109,00

Identne EN 12561-3:2002

**Railway applications - Tank wagons - Part 3: Bottom filling and emptying devices for gases liquified under pressure**

This European Standard specifies requirements on and characteristics of bottom filling and emptying devices on tank wagons used for the carriage of gases liquified under pressure having a test pressure up to 2,9 MPa. This standard specifies the important dimensions and arrangements for the filling and emptying connections.

**EVS-EN 12561-4:2002**

Hind 92,00

Identne EN 12561-4:2002

**Railway applications - Tank wagons - Part 4: Top devices for top emptying and filling of liquid products**

This European Standard is applicable to top devices of tank wagons used for liquid substances of RID carried in the liquid state and able to be top filled and emptied. This European Standard specifies the type of equipment to be fitted on the top of such tank wagons and the important dimensions for their connections.

**EVS-EN 12561-5:2002**

Hind 75,00

Identne EN 12561-5:2002

**Railway applications - Tank wagons - Part 5: Top devices for bottom emptying and top filling of liquid products**

This European Standard specifies the requirements on and characteristics of top devices of tank wagons fitted for bottom emptying only and filling through the manhole and used for liquid substances of RID. This European Standard specifies in particular the important dimensions and arrangements for the connections of such tank wagons.

**EVS-EN 12561-6:2002**

Hind 101,00

Identne EN 12561-6:2002

**Railway applications - Tank wagons - Part 6: Manholes**

This European Standard is applicable to manholes on tank wagons used for the transport of dangerous substances. This European Standard defines the dimensions for the interchangeability of seals and other wearing parts and defines also the important dimensions for: Manholes for gas tank wagons located in one end of the tank; Manholes for gas tank wagons located on the top of the tank including the arrangements of

fittings;- bolted manholes for tank wagons for liquid substances located on the top of the tank;- swing bolt manholes for tank wagons for liquid substances located on the top of the tank.

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 38266

Tähtaeg: 2003-01-01

Identne prEN 13308:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Non pressure balanced footvalve**

This European Standard is applicable to non pressure balanced footvalve and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this standard

prEVS 38282

Tähtaeg: 2003-01-01

Identne prEN 13314:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Fill hole cover**

This European Standard covers the fill hole cover and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 38285

Tähtaeg: 2003-01-01

Identne prEN 13316:2002

**Tanks for transporting dangerous goods - Service for tanks - Pressure balanced footvalve**

This European Standard covers the pressure balanced footvalve for bottom loading and unloading and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 38292

Tähtaeg: 2003-01-01

Identne prEN 13317:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Manhole cover assembly**

This European Standard covers the manhole cover assembly and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 38801

Tähtaeg: 2003-01-01

Identne EN 13129-2:2002

### **Railway applications - Tank wagons - Part 2: Bottom emptying devices for liquid products including vapour return**

This European Standard specifies requirements on and characteristics of bottom emptying devices on tank wagons used for the carriage of liquid substances of RID. This European Standard specifies the important dimensions of connection devices for the emptying. This European Standard is applicable to bottom vapour return devices that are fitted to tank wagons  
prEVS 54269

Tähtaeg: 2003-01-01

Identne prEN 14512:2002

### **Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manhole cover and neckrings**

This standard specifies the general requirements for hinged manhole covers and neckrings for use on portable and transportable liquid chemical tanks for dangerous goods

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## **13.310**

### **Kaitse kuritegevuse vastu**

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#### **Protection against crime**

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 29168

Tähtaeg: 2002-12-01

Identne EN 50131-6:1997

#### **Alarm systems - Intrusion systems - Part 6: Power supplies**

This standard specifies requirements, testing procedures and performance criteria for Power Supplies (PS) for use in intrusion detection and hold-up-alarm systems in buildings. This standard covers mandatory functions which shall be provided on all PS and optional functions with requirements which may be provided. Other functions associated with intrusion detection and hold-up-alarm not specified in this standard may be provided. Such functions shall not effect the requirements of any mandatory or optional functions.

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## **13.320**

### **Häire- ja hoiatussüsteemid**

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#### **Alarm and warning systems**

### **UUED STANDARDID**

**EVS-EN 50271:2002**

Hind 83,00

Identne EN 50271:2001

#### **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**

This European Standard is applicable to fixed, transportable and portable independent apparatus. It supplements the requirements European Standards for the detection and measurement of combustible gases, vapours (e.g. EN 50054 to EN 50058), toxic gases (e.g. prEN 45544) and oxygen (e.g. EN 50104).

**EVS-EN 50291:2002**

Hind 130,00

Identne EN 50291:2001

#### **Electrical apparatus for the detection of carbon monoxide in domestic premises - Test methods and performance requirements**

This European Standard specifies general requirements for the construction, testing and performance of electrically operated carbon monoxide gas detection apparatus, designed for continuous operation in domestic premises. The apparatus may be mains or battery powered. Such apparatus is intended to warn of an accumulation of CO, enabling the occupant to react before being exposed to significant risk.

**EVS-EN 50292:2002**

Hind 117,00

Identne EN 50292:2001

#### **Electrical apparatus for the detection of carbon monoxide in domestic premises - Guide on the selection, installation, use and maintenance**

This guide provides information on the selection, installation, use and maintenance of apparatus for the detection of carbon monoxide, intended for continuous operation in domestic premises. It should be read in conjunction with EN 50291, together with any additional relevant national or local regulations.

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 30959

Tähtaeg: 2002-12-01

Identne EN 50136-2-3:1998

#### **Häiresüsteemid.**

#### **Häireedastussüsteemid ja -seadmed. Osa 2-3: Nõuded seadmetele, mida kasutatakse süsteemides koos üldkasutatava telefonivõrgu**

**digitaalkommutaatoritega**  
This standard specifies the requirements for equipment used in digital communicator systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-2-1. The remote centre will normally be an alarm receiving centre but may be a satellite station with onward transmission using an alarm transmission system meeting the requirements of EN 50136-1-2.  
prEVS 30962

Tähtaeg: 2002-12-01

Identne EN 50136-2-4:1998

#### **Häiresüsteemid.**

#### **Häiresüsteemide ja -seadmed. Osa 2-4: Nõuded üldkasutatavas telefonivõrgus töötavate salvestatud**

**kõnekommunikaatorite süsteemide seadmestikule**  
This standard specifies the requirements for equipment used in voice communicators systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-2-1.

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## **13.340.10**

### **Kaitserõivad**

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#### **Protective clothing**

### **UUED STANDARDID**

**EVS-EN 13546:2002**

Hind 212,00

Identne EN 13546:2002

**Protective clothing for professional motorcycle riders - Jackets, trousers and one-piece or divided suits - Part 3: Test method for determination of burst strength**

This European Standard specifies performance requirements for clothing materials and assembly methodology utilised in the manufacture of professional motorcycle riders jackets, trousers and one-piece and divided suits which are intended to protect the wearer against mechanical injury on metalled road surfaces. It also specifies appropriate test methods whereby conformity against these requirements can be assessed.

**EVS-EN 13567:2002**

Hind 190,00

Identne EN 13567:2002

**Protective clothing - Hand, arm, chest, abdomen, leg, genital and face protectors for fencers - Requirements and test methods**

This European Standard specifies the general requirements for ergonomics, sizing, coverage and performance of protective clothing and equipment for use in the sport of fencing. Requirements for the marking of clothing and equipment and the information to be supplied by the manufacturer are given. Test methods are described and performance levels are defined.

**EVS-EN 1073-2:2002**

Hind 92,00

Identne EN 1073-2:2002

**Protective clothing against radioactive contamination - Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination**

This European Standard specifies the requirements and test methods for non-ventilated protective clothing protecting the wearer against particulate radioactive contamination. Such clothing is intended to protect only the body, arms and legs of the wearer, but it may be used with accessories which provide protection to additional areas of the wearer (e.g. boots, gloves, RPE). Protection to these other areas is specified in other European Standard

**EVS-EN 13595-1:2002**

Hind 139,00

Identne EN 13595-1:2002

**Protective clothing for professional motorcycle riders - Jackets, trousers and one piece or divided suits - Part 1: General requirements**

This European Standard specifies general requirements for professional motorcycle riders jackets, trousers and one-piece or divided suits which are intended to protect the wearer against mechanical injury, it does not apply to motor sport competition events organised by Federation. It also specifies appropriate test methods.

**EVS-EN 13595-3:2002**

Hind 75,00

Identne EN 13595-3:2002

**Protective clothing for professional motorcycle riders - Jackets, trousers and one-piece or divided suits - Part 3: Test method for determination of burst strength**

This European Standard specifies performance requirements for clothing materials and assembly methodology utilised in the manufacture of professional motorcycle riders jackets, trousers and one-piece and divided suits which are intended to protect the wearer against mechanical injury on metalled road surfaces. It also specifies appropriate test methods whereby conformity against these requirements can be assessed.

**EVS-EN 13595-4:2002**

Hind 75,00

Identne EN 13595-4:2002

**Protective clothing for professional motorcycle riders - Jackets, trousers and one-piece or divided suits - Part 4: Test method for determination of impact cut resistance**

This European Standard specifies performance requirements for clothing materials and assembly methodology utilised in the manufacture of professional motorcycle riders jackets, trousers and one-piece and divided suits which are intended to protect the wearer against mechanical injury on metalled road surfaces. This European Standard specifies appropriate test method for the determination of impact cut resistance.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54024

Tähtaeg: 2003-01-01

Identne prEN 381-11:2002

**Protective clothing for users of hand-held chainsaws - Part 11: Requirements for upper body protectors**

This Part of this European Standard, specifies requirements for the protection offered by upper body protectors against cutting by a hand-held chainsaw assessed by the test methods given in prEN 381-10. The requirements relating to ergonomic properties, identification, marking and information supplied by the manufacturer including selection criteria and instructions for use are also specified

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**13.340.20**

**Pea kaitsevahendid**

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**Head protective equipment**

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**UUED STANDARDID**

**EVS-EN 12254:1999/A1:2002**

Hind 75,00

Identne EN 12254:1998/A1:2002

**Screens for laser working places - Safety requirements and testing**

This standard specifies functional requirements and a product labelling system applicable to a range of temporary and permanent passive guards for protection against laser radiation. This standard includes test methods for testing functional performance and also the specification of the user documentation to be supplied with the product.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54158

Tähtaeg: 2003-01-01

Identne EN 1080:1997/A1:2002

**Löögikaitsekiivrid väikelastele**

This European Standard specifies requirements and test methods for helmets intended for use by young children while pursuing activities in environments which have proven risks of head injuries

prEVS 54366

Tähtaeg: 2002-12-01

Identne IEC 61243-

2:1995/A2:2002

ja identne EN 61243-

2:1997/A2:2002

**Live working - Voltage**

**detectors - Part 2: Resistive type to be used for voltages of 1 kV to 36 kV a.c.**



This part of IEC 61243 is applicable to portable voltage detectors with or without a built-in power source to be used on electrical systems for voltages of 1 kV to 36 kV a.c., and frequencies from 15 Hz to 60 Hz.

prEVS 54386

Tähtaeg: 2003-01-01

Identne prEN 352-5:2002

**Hearing protectors - Safety requirements and testing - Part 5: Active noise reduction ear-muffs**

This European Standard is concerned with active noise reduction (ANR) ear-muffs. It specifies additional constructional, design and performance requirements, methods of test, marking requirements and user information relating to the incorporation of the active noise reduction facility

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### 13.340.30

#### Respiraatorid

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Respiratory protective devices

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54307

Tähtaeg: 2003-01-01

Identne EN 144-

1:2000/prA1:2002

**Hingamisteede kaitsevarustus. Gaasiballooni ventiilid. Osa 1: Sisemiste ühendusdetailide keermesühendus**

The European Standard applies to the connection between a gas cylinder valve and a gas cylinder for respiratory protective devices. It specifies the dimensions and tolerances for thread connections to be used for respiratory protective devices and contains requirements for impact resistance for the connection between a gas cylinder and a gas cylinder valve.

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### 13.340.40

#### Kaitsekindad

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Protective gloves

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#### UUED STANDARDID

EVS-EN 13546:2002

Hind 212,00

Identne EN 13546:2002

**Protective clothing for professional motorcycle riders - Jackets, trousers and one-piece or divided suits - Part 3: Test method for determination of burst strength**

This European Standard specifies performance requirements for clothing materials and assembly methodology utilised in the manufacture of professional motorcycle riders jackets, trousers and one-piece and divided suits which are intended to protect the wearer against mechanical injury on metallised road surfaces. It also specifies appropriate test methods whereby conformity against these requirements can be assessed.

EVS-EN 13567:2002

Hind 190,00

Identne EN 13567:2002

**Protective clothing - Hand, arm, chest, abdomen, leg, genital and face protectors for fencers - Requirements and test methods**

This European Standard specifies the general requirements for ergonomics, sizing, coverage and performance of protective clothing and equipment for use in the sport of fencing. Requirements for the marking of clothing and equipment and the information to be supplied by the manufacturer are given. Test methods are described and performance levels are defined.

EVS-EN 13594:2002

Hind 126,00

Identne EN 13594:2002

**Protective gloves for professional motorcycle riders - Requirements and test methods**

This European Standard applies to protective professional motorcycle riders gloves for use while riding motorcycles for on-road activities. It specifies the requirements for the sizing, ergonomic characteristics, mechanical properties, cleaning, marking and information for users. It also describes the appropriate test methods whereby conformity against these requirements can be assessed.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54267

Tähtaeg: 2003-01-01

Identne EN

12477:2001/prA1:2002

**Protective gloves for welders**

This standard specifies requirements and test methods for protective gloves for use in manual metal welding, cutting and allied processes. Protective gloves for welders protect the hands and the wrists during the process of welding and related tasks

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### 13.340.99

#### Muud kaitsevahendid

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Other protective equipment

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#### UUED STANDARDID

EVS-EN 354:2002

Hind 83,00

Identne EN 354:2002

**Personal protective equipment against falls from a height - Lanyards**

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.

EVS-EN 355:2002

Hind 83,00

Identne EN 355:2002

**Personal protective equipment against falls from a height - Energy absorbers**

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for energy absorbers. Energy absorbers conforming to this European Standard are used as elements or components either integrated in a lanyard, an anchor line or a full body harness or in combination with one of them.

EVS-EN 360:2002

Hind 83,00

Identne EN 360:2002

**Personal protective equipment against falls from a height - Retractable type fall arresters**

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for retractable type fall arresters. Retractable type fall arresters conforming to this European Standard are sub-systems constituting one of the fall arrest

systems covered by prEN 363, when combined with a full body harness specified in EN 361.

**EVS-EN 361:2002**

Hind 92,00

Identne EN 361:2002

**Personal protective equipment against falls from a height - Full body harnesses**

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for full body harnesses. Other types of body support, specified in other European Standards, e. g. EN 358, EN 813 or EN 1497, may be incorporated into the full body harness. Fall arrest systems are specified in prEN 363.

**EVS-EN 363:2002**

Hind 101,00

Identne EN 363:2002

**Personal protective equipment against falls from a height - Fall arrest systems**

This European Standard specifies the terminology and the general requirements for fall arrest systems which serve as personal protective equipment against falls from a height. This European Standard additionally describes examples of how components or assemblies of components may be connected into a fall arrest system. These examples should enable the purchaser or user to assemble all components in a correct manner and to build up a fall arrest system.

**EVS-EN 353-1:2002**

Hind 92,00

Identne EN 353-1:2002

**Personal protective equipment against falls from a height - Part 1: Guided type fall arresters including a rigid anchor line**

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for guided type fall arresters including a rigid anchor line usually attached to or integrated in fixed ladders or rungs adequately adjusted to suitable structures.

**EVS-EN 353-2:2002**

Hind 92,00

Identne EN 353-2:2002

**Personal protective equipment against falls from a height - Part 2: Guided type fall arresters including a flexible anchor line**

This European Standard specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for guided type fall arresters including a flexible anchor line which can be secured to an upper anchor point.

**EVS-EN 1263-2:2002**

Hind 92,00

Identne EN 1263-2:2002

**Safety nets - Part 2: Safety requirements for the positioning limits**

This European Standard specifies safety requirements for the positioning of safety nets in accordance with the manufacturer's instruction manual and with the product specifications and for the testing of system S, system T, system U and system V safety nets in accordance with EN 1263-1

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**17.040**

**Joon- ja nurgamõõtmised. Pinnamõõtmine**

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**Linear and angular measurements**

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**UUED STANDARDID**

**EVS-EN 13523-18:2002**

Hind 66,00

Identne EN 13523-18:2002

**Coil coated metals - Test methods - Part 18: Resistance to staining**

This Part of EN 13523 specifies test procedures for assessing the effect of chemicals on the characteristics of an organic coating on a metallic substrate. It covers testing by using defined substances and to assess the change in characteristics such as discoloration, change in gloss, blistering, softening, swelling and loss of adhesion. Assessment of other phenomena may be agreed between the interested parties.

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**17.040.20**

**Pindade omadused**

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**Properties of surfaces**

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**UUED STANDARDID**

**EVS-EN 13523-6:2002**

Hind 75,00

Identne EN 13523-6:2002

**Coil coated metals - Test methods - Part 6: Adhesion after indentation (cupping test)**

This Part of EN 13523 defines terms of the procedure for determining the adhesion of an organic coating to a metallic substrate after indentation after slow deformation. The resistance to cracking may also be evaluated

**EVS-EN 13523-8:2002**

Hind 75,00

Identne EN 13523-8:2002

**Coil coated metals - Test methods - Part 8: Resistance to salt spray (fog)**

This Part of EN 13523 defines terms of the procedure for determining the resistance to salt spray (fog) of an organic coating on a metallic substrate. For steel neutral salt spray (fog) is usually used, and for aluminium acetic acid salt spray (fog).

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 35827

Tähtaeg: 2003-01-01

Identne prEN 13036-4:2002

**Road and airfield surface characteristics - Test methods - Part 4: Method for measurement of slip/skid resistance of a surface - The pendulum test**

This European Standard describes a method for determining the slip/skid resistance of a surface using a device which remains stationary at the test location. The slip/skid resistance is measured by means of a pendulum arm  
prEVS 54372

Tähtaeg: 2003-01-01

Identne ISO 1:2002

ja identne EN ISO 1:2002

**Geometrical Product Specifications (GPS) - Standard reference temperature for geometrical product**

**specification and verification**  
This International Standard specifies the standard reference temperature for geometrical product specification and verification

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**17.140.01****Akustilised mõõtmised ja müravähendamise üldküsimumused**

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Acoustic measurements and noise abatement in general

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 18329

Tähtaeg: 2003-01-01

Identne ISO 10846-3:2002

ja identne EN ISO 10846-3:2002

**Acoustics and vibration - Laboratory measurements of vibro-acoustic transfer properties of resilient elements - Part 3: Indirect method for determination of the dynamic stiffness of resilient supports for translatory motion**

This part of ISO 10846 specifies a method for determining the dynamic transfer stiffness for translations of resilient supports, under specified preload. The method concerns the laboratory measurement of vibration transmissibility and is called the indirect method

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**17.140.20****Masinate ja seadmete müra**

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Noise emitted by machines and equipment

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54100

Tähtaeg: 2002-12-01

Identne IEC 60534-8-2:1991

ja identne EN 60534-8-2:1993

**Industrial-process control valves; Part 8: Noise consideration; Section 2: Laboratory measurement of noise generated by hydrodynamic flow through control valves**

Provides a method for measuring the sound-pressure level due to liquid flow through a control valve, and the characteristic increase in noise due to cavitation.

prEVS 54101

Tähtaeg: 2002-12-01

Identne IEC 60534-8-4:1994

ja identne EN 60534-8-4:1994

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**Industrial-process control valves - Part 8: Noise considerations - Section 4: Prediction of noise generated by hydrodynamic flow**

Permits designers and operators of industrial-process plants to determine the noise generated by hydrodynamic flow through control valves. The sound power emitted into the pipe as well as the airborne noise emitted by the valve and piping system can be predicted.

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**17.140.50****Elektroakustika**

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Electroacoustics

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**UUED STANDARDID**

**EVS-EN 61669:2002**

Hind 179,00

Identne IEC 61669:2001

ja identne EN 61669:2001

**Electroacoustics - Equipment for the measurement of real-ear acoustical characteristics of hearing aids**

Specifies the general requirements for test equipment designed for use in measuring the real-ear acoustical characteristics of hearing aids and describes the terminology used. The purpose of this International Standard is to ensure that measurements of real-ear acoustical characteristics of a hearing aid on a given human ear, performed with different test equipment which comply with this International Standard using methods described in ISO 12124, shall give substantially the same results.

**EVS-EN 61847:2002**

Hind 170,00

Identne IEC 61847:1998

ja identne EN 61847:1998

**Ultrasonics - Surgical systems - Measurement and declaration of the basic output characteristics**

This International Standard specifies: the essential non-thermal output characteristics of ultrasonic surgical units; methods of measurement of these output characteristics; those characteristics which should be declared by the manufacturers of such equipment. This standard is applicable to:

ultrasonic surgical systems whose use is the fragmentation cutting of human tissue, whether or not those effects are delivered in conjunction

with tissue removal or coagulation, etc.

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 22755

Tähtaeg: 2002-12-01

Identne IEC 61027:1991

ja identne EN 61027:1993

**Instruments for the measurement of aural acoustic impedance/admittance**

Covers instruments designed primarily for the measurement of modulus of acoustic

impedance/admittance in the

human external acoustic meatus

using a probe tone of 226 Hz.

Defines the characteristics to be specified by the manufacturer, lays down performance specifications for four types of instrument and specifies the facilities to be provided on three of these types.

prEVS 28261

Tähtaeg: 2002-12-01

Identne IEC 61161:1992+A1:1998

ja identne EN

61161:1994+A1:1998

**Ultrasonic power measurement in liquids in the frequency range 0,5 MHz to 25 MHz**

Specifies a method of determining the total radiated acoustic power of ultrasonic transducers based on the use of a radiation force balance. It establishes general principles for the use of radiation force balances in which an obstacle (target) intercepts the sound field to be measured. It provides information on assessment of overall measurement uncertainties.

NOTE: The radiation force is equal to the change in the time-averaged momentum flow and is thus related to ultrasonic intensity and power. It is applicable to: - the measurement of ultrasonic power based on the use of a radiation force balance in the frequency range from 0,5 MHz to 25 MHz; - the measurement of total ultrasonic power of transducers with well-collimated beams; - the use of radiation force balances of the gravimetric type. NOTE: The titles of other publications referred to in this Standard are listed in annex C.

prEVS 35703

Tähtaeg: 2002-12-01

Identne IEC 60118-6:1999

ja identne EN 60118-6:1999

**Hearing aids - Part 6:**

**Characteristics of electrical input circuits for hearing aids**

The standard specifies the electrical, marking and safety characteristics of a circuit for an external electrical input to a personal hearing aid to ensure compatibility with external electrical or electro-acoustic signal sources.

prEVS 36844

Tähtaeg: 2002-12-01

Identne IEC 60118-

4:1981+A1:1998

ja identne EN 60118-

4:1998+A1:1998

**Hearing aids - Part 4: Magnetic field strength in audio-frequency induction loops for hearing aid purposes**

The standard applies to audio-frequency induction loop systems producing an alternating magnetic field and intended to provide an input signal for hearing aids operating with an induction pick-up coil.

prEVS 39431

Tähtaeg: 2002-12-01

Identne EN 50332-1:2000

**Sound system equipment; Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations Part 1: General method for "one package equipment"**

The object of this standard is to set up a suitable measuring methodology allowing accurate measurement of the maximum sound pressure level produced by consumer's headphones and earphones when associated with portable audio equipment.

prEVS 54131

Tähtaeg: 2002-12-01

Identne IEC 60268-10:1991

ja identne HD 483.10 S1:1993

**Sound system equipment; Part 10: Peak programme level meters**

Applies to audio-frequency peak programme level meters, for use in equipment for broadcasting, sound reinforcement, sound recording and household entertainment.

Does not apply to standard volume indicators which are dealt with in IEC 60268-17.

prEVS 54134

Tähtaeg: 2002-12-01

Identne IEC 60268-

17:1990+corr:1991

ja identne HD 483.17 S1:1992

**Sound system equipment; Part 17: Standard volume indicators**

Gives the characteristics to be specified, performance requirements and the relevant methods of measurement for electromechanical volume indicators. The concept of 'volume' is a practical way of assigning a numerical value to the magnitude of electrical speech and music programme signals.

prEVS 54135

Tähtaeg: 2002-12-01

Identne IEC 60268-

2:1987+A1:1991

ja identne HD 483.2 S2:1993

**Sound system equipment; Part 2: Explanation of general terms and calculation methods**

Defines, explains and gives methods of calculating terms and expressions used in this series of publications.

prEVS 54240

Tähtaeg: 2002-12-01

Identne IEC 60645-1:2001

ja identne EN 60645-1:2001

**Electroacoustics - Audiological equipment - Part 1: Pure-tone audiometers**

This part of International Standard IEC 645 specifies general requirements for audiometers and particular requirements for pure-tone audiometers for use in determining hearing threshold levels, in comparison with the standard reference threshold level, by means of psycho-acoustic test methods.

prEVS 54253

Tähtaeg: 2002-12-01

Identne IEC 60804:2000

ja identne EN 60804:2000

**Integrating-averaging sound level meters**

This standard describes instruments for the measurement of frequency weighted and time averaged sound pressure levels. Optionally, sound exposure levels may be measured. This standard is consistent with the relevant requirements of IEC Publication 651: Sound Level Meters, but specifies additional characteristics which are necessary to measure the equivalent continuous sound pressure level,  $L_{eq}$ , of steady, intermittent, fluctuating and impulsive sounds.

prEVS 54290

Tähtaeg: 2002-12-01

Identne IEC 60373:1990

ja identne HD 590 S1:1991

**Mechanical coupler for measurements on bone vibrators**

Specifies requirements for mechanical couplers used for calibrating bone-conduction audiometers and for making measurements on bone vibrators and bone-conduction hearing aids in the frequency range from 125 Hz to 8 000 Hz inclusive.

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**17.180.20**

**Värvused ja valguse mõõtmine**

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Colours and measurement of light

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**UUED STANDARDID**

**EVS-EN 13523-15:2002**

Hind 66,00

Identne EN 13523-15:2002

**Coil coated metals - Test methods - Part 15: Metamerism**

This Part of EN 13523 defines terms of the procedure for determining the metamerism of a colour match of an organic coating on a metallic substrate. When two colour specimens have identical spectral reflection curves, they are matching under any illuminant irrespective of its spectral characteristics. This is termed a "spectral match". It is also possible for two colour specimens having different spectral reflection curves to match visually under a given light source but not to match under another light source with different spectral characteristics; such matches are termed "metameric"

**EVS-EN 13523-23:2002**

Hind 66,00

Identne EN 13523-23:2002

**Coil coated metals - Test methods - Part 23: Colour stability in humid atmospheres containing sulfur dioxide**

This Part of EN 13523 defines terms of the procedure for determining the colour stability of an organic coating on a metallic substrate when exposed to humid atmospheres containing sulfur dioxide. This method has been designed to provide an accelerated test for evaluating the colour fastness of coil coated products in atmospheres containing sulfur dioxide (typical of industrial atmospheres).

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**17.200.10****Soojus. Kalorimeetria**

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**Heat. Calorimetry**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54159

Tähtaeg: 2003-01-01

Identne EN 1434-1:1997/A1:2002

**Soojusarvestid. Osa 1:****Üldnõuded**

This European Standard applies to heat meters, that is to instruments intended for measuring the heat which, in a heat-exchange circuit, is absorbed or given up by a liquid called the heat-conveying liquid.

The heat meter indicates the quantity of heat in legal units.

Electrical safety requirements are not covered by this standard.

Meters with surface mounted temperature sensors are not yet included in this standard. Part 1 specifies general requirements.

prEVS 54160

Tähtaeg: 2003-01-01

Identne EN 1434-2:1997/A1:2002

**Soojusarvestid. Osa 2:****Konstruksiooninõuded**

This European Standard applies to heat meters, that is to instruments intended for measuring the heat which, in a heat-exchange circuit, is absorbed or given up by a liquid called the heat-conveying liquid.

The heat meter indicates the quantity of heat in legal units.

Electric safety requirements are not covered by this standard.

Meters with surface mounted temperature sensors are not yet included in this standard. Part 2 specifies constructional requirements.

prEVS 54161

Tähtaeg: 2003-01-01

Identne EN 1434-4:1997/A1:2002

**Soojusarvestid. Osa 4: Mudeli tüübikinnitus**

This European Standard applies to heat meters, that is to instruments intended for measuring the heat which, in a heat-exchange circuit, is absorbed or given up by a liquid called the heat-conveying liquid.

The meter indicates heat quantity in legal units. Electrical safety requirements are not covered by this standard. Meters with surface mounted temperature sensors are not yet included in this standard. Part 4 specifies pattern approval tests.

prEVS 54162

Tähtaeg: 2003-01-01

Identne EN 1434-5:1997/A1:2002

**Soojusarvestid. Osa 5:****Lähtetaatus**

This European Standard applies to heat meters, that is to instruments intended for measuring the heat which, in a heat-exchange circuit, is absorbed or given up by a liquid called the heat-conveying liquid.

The heat meter indicates the heat quantity in legal units. This Part of this European Standard covers the initial verification which is intended to ensure, that heat meters which are put into service, conform to an approved pattern and to regulations, i.e. have specified metrological characteristics within the limits of the max. permissible errors.

prEVS 54164

Tähtaeg: 2003-01-01

Identne EN 1434-6:1997/A1:2002

**Soojusarvestid. Osa 6:****Paigaldus, kasutuselevõtt, järelevalve ja hooldus**

This European standard applies to heat meters, that is to instruments intended for measuring the heat which, in a heat-exchange circuit, is absorbed or given up by a liquid called the heat-conveying liquid. The heat meter indicates heat in legal units. Electrical safety requirements for the meter itself are not covered by this standard.

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**17.200.20****Temperatuuri mõõtevahendid**

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**Temperature-measuring instruments**

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**UUED STANDARDID****EVS-EN 61515:2002**

Hind 155,00

Identne IEC 61515:1995

ja identne EN 61515:1996

**Mineral insulated thermocouple cables and thermocouples**

This International Standard establishes the requirements for mineral insulated thermocouple cables and for mineral insulated thermocouples but does not specify cold end seals, terminators, connections and other accessories.

This standard deals only with cables and thermocouples having one pair of base-metal conductors and is intended for use in general industrial applications.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 25781

Tähtaeg: 2002-12-01

Identne EN 50212:1996

**Connectors for thermoelectric sensors**

The object of this standard is to determine composition, nature of materials, manufacturing tests and thermoelectric behaviour, of connectors for sensors using thermocouples according to HD 446.3 S1. The latter standard does not cover such special thermocouples as U, L and W types; nevertheless the user of such special thermocouples may use the connectors described hereafter with some restrictions mentioned in the relevant paragraphs.

prEVS 54065

Tähtaeg: 2002-12-01

Identne EN 50112:1994

**Measurement, control, regulation - Electrical temperature sensors - Metal protecting tubes for TC assemblies**

This standard applies to metal protecting tubes, used for straight thermocouple (t/c) assemblies, where the components parts are exposed to internal or external pressures, (ISO 7268), and where the working conditions have to be taken into consideration for the materials used.

prEVS 54066

Tähtaeg: 2002-12-01

Identne EN 50113:1994

**Measurement, control, regulation - Electrical temperature sensors - Isolating tubes for thermocouples**

This standard applies to ceramic insulating tubes for use with thermocouples.

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**17.220****Elekter. Magnetism.****Elektrilised ja****magnetilised mõõtmised**

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**Electricity. Magnetism.****Electrical and magnetic measurements**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54016

Tähtaeg: 2002-12-01

Identne IEC 60990:1999

ja identne EN 60990:1999

### **Methods of measurement of touch current and protective conductor current**

Defines measurement methods for d.c. or a.c. of sinusoidal or non-sinusoidal waveform, which could flow through the human body, and current flowing through a protective conductor. The measuring methods recommended for TOUCH CURRENT are based upon the possible effects of current flowing through a human body. In this standard, measurements of current through networks representing the impedance of the human body are referred to as measurements of TOUCH CURRENT. These networks are not necessarily valid for the bodies of animals. The basic safety publication is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. It is not intended for use by manufacturers or certification bodies. It has the status of a basic safety publication in accordance with IEC Guide 104.

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### **17.220.00**

#### **Elekter. Magnetism. Elektrilised ja magnetilised mõõtmised**

Electricity. Magnetism.  
General aspects

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 22469

Tähtaeg: 2002-12-01

Identne EN 50147-1:1996

#### **Anechoic chambers - Part 1: Shield attenuation measurement**

This standard applies to measurements of shielding attenuation of shielded enclosures (chambers, rooms) in the frequency range 9 kHz - 40 GHz. The object of this standard is to establish a common measurement procedure for validating the shielding effectiveness of a shielded enclosure.

prEVS 22474

Tähtaeg: 2002-12-01

Identne EN 50147-2:1996

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

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

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### **17.220.01**

#### **Elekter. Magnetism. Elektrilised ja magnetilised mõõtmised. Üldised aspektid**

Electricity. Magnetism.  
General aspects

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54287

Tähtaeg: 2002-12-01

Identne IEC 60781:1989

ja identne HD 581 S1:1991

#### **Application guide for calculation of short-circuit currents in low-voltage radial systems**

This application guide presents a practical method to be used when calculating short-circuit currents in low-voltage networks. The method corresponds strictly with IEC 60909 and leads to conservative results with sufficient accuracy. Two short-circuit currents which differ in magnitude are to be calculated: -the maximum short-circuit current which

prEVS 54332

Tähtaeg: 2002-12-01

Identne IEC 60428:1973

ja identne HD 612 S1:1992

#### **Standard cells**

Applies to two kinds of standard cells used as electromotive force references, namely saturated and unsaturated standard cells, and deals with test conditions relating to certification and requirements for their electrical and mechanical characteristics.

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### **17.220.20**

#### **Elektriliste ja magnetiliste suuruste mõõtmine**

Measurement of electrical and magnetic quantities

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#### **UUED STANDARDID**

EVS-EN 61358:2002

Hind 229,00

Identne IEC 61358:1996

ja identne EN 61358:1996

### **Acceptance inspection for direct connected alternating current static watt-hour meters for active energy (classes 1 and 2)**

The methods and procedures included in this International Standard apply to newly manufactured direct connected alternating current static watt-hour meters of classes 1 and 2, covered by IEC 1036, which are produced and delivered in quantities of 50 and above. They provide for 100% inspection or sampling inspection for acceptance by the purchaser.

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 32935

Tähtaeg: 2002-12-01

Identne IEC 60044-7:1999

ja identne EN 60044-7:2000

#### **Instrument transformers - Part 7: Electronic voltage transformers**

International Standard IEC 44-7 applies to newly manufactured electronic voltage transformers with analogue output, for use with electrical measuring instruments and electrical protective devices at frequencies from 15 to 100 Hz.

prEVS 34041

Tähtaeg: 2002-12-01

Identne IEC 60044-6:1992

ja identne EN 60044-6:1999

#### **Instrument transformers - Part 6: Requirements for protective current transformers for transient performance**

This part of IEC 44 covers the requirements and tests, in addition to those in Chapter I of IEC 185, that are necessary for inductive current transformers for use with electrical protective schemes in which the prime requirements for the current transformers is the maintenance of a defined performance up to several times the rated current when the current contains an exponentially decaying d.c. component of defined time constant.

prEVS 54288

Tähtaeg: 2002-12-01

Identne HD 587 S1:1993

#### **Instrument transformers; Three-phase voltage transformers for voltage levels having $U_{(Index)m} > \text{up to } 52 \text{ kV}$**

This document specifies the requirements and tests for new three-phase voltage transformers with  $U_{(Index)m} > \text{up to } 52 \text{ kV}$  and frequencies from 15 Hz to 100

Hz, for use with electrical instruments or electrical protective devices.

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17.220.99

**Muud elektri ja magnetismiga seotud standardid**

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Other standards related to electricity and magnetism

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**UUED STANDARDID**

**EVS-EN 61620:2002**

Hind 199,00

Identne IEC 61620:1998

ja identne EN 61620:1999

**Insulating liquids - Determination of the dielectric dissipation factor by measurement of the conductance and capacitance - Test method**

This International Standard describes a method for the simultaneous measurement of conductance (G) and capacitance (C) enabling the calculation of the dielectric dissipation factor (tan delta) of insulating liquids. The proposed method applies both to unused insulating liquids and insulating liquids in service in transformers and in other electrical equipment. The standard is no substitute for IEC 60247; rather it complements it insofar as it is particularly suited to highly insulating liquids and it recommends a method of measurement for these liquids. This method allows values of the dielectric dissipation factor as low as 0,0000001(10<sup>-6</sup>) at power frequency to be determined with certainty. Moreover, the range of measurements of (tan delta) lies between 0,0000001 (10<sup>-6</sup>) and 1 and can be extended up to 200 in particular conditions.

**EVS-EN 61868:2002**

Hind 139,00

Identne IEC 61868:1998

ja identne EN 61868:1999

**Mineral insulating oils - Determination of kinematic viscosity at very low temperatures**

This International Standard specifies a procedure for the determination of the kinematic viscosity of mineral insulating oils, both transparent and opaque, at very low temperatures, after a cold soaking period of at least 20 h, by

measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer. It is applicable at all temperatures to both Newtonian and non-Newtonian liquids having viscosities of up to 20 000 mm<sup>2</sup>/s. It is particularly suitable for the measurement of the kinematic viscosity of liquids for use in cold climates, at very low temperatures (-40 degrees Celcius) or at temperatures between the cloud and pour-point temperatures (typically -20 degrees Celcius) where some liquids may develop unexpectedly high viscosities under cold soak conditions.

**EVS-EN 61340-2-3:2002**

Hind 190,00

Identne IEC 61340-2-3:2000

ja identne EN 61340-2-3:2000

**Electrostatics - Part 2-3: Methods of test for determining the resistance and resistivity of solid planar materials used to avoid electrostatic charge accumulation**

Describes test methods for the determination of the electrical resistance and resistivity of solid materials in the range from 10K Ohm to 1T Ohm used to avoid electrostatic charge accumulation. It takes account of existing IEC/ISO standards and other published information, and gives recommendations and guidelines on the appropriate method.

**EVS-EN 61340-5-1:2002**

Hind 326,00

Identne IEC 61340-5-

1:1998+corr:1999

ja identne EN 61340-5-1:2001

**Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena; General requirements**

Specifies the general requirements for the protection of electrostatic discharge sensitive devices (ESDS) from electrostatic discharges and fields. It applies only to the manufacture and use of electronic devices. Gives information on how to design, use and control a protected area to ensure that electrostatic sensitive devices, having a withstand threshold voltage of 100 V (human body model) or higher, can be handled with a minimum risk of damage resulting from electrostatic phenomena. Normal precautions given are applicable for areas with clean room types in excess of ISO

14644-1 class 5. Alternative precautions may be required in clean rooms of ISO 14644-1 class 5 or less if contamination is formed as a result of using the procedures specified in this technical report.

**EVS-EN 61340-5-2:2002**

Hind 283,00

Identne IEC 61340-5-2:1999

ja identne EN 61340-5-2:2001

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

Covers the protection from electrostatic discharge (ESD) damage of all electronic devices (components, assemblies and sub-assemblies) with voltage sensitivity of not lower than 100 V throughout their entire life. This is from the commencement of manufacture, through product assembly, product use and possible repair until the end of the product life. Is to be read in conjunction with IEC 61340-5-1.

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 22786

Tähtaeg: 2002-12-01

Identne IEC 61006:1991

ja identne EN 61006:1993

**Methods of test for the determination of the glass transition temperature of electrical insulating materials**

These methods are applicable to amorphous materials or to partially crystalline materials containing amorphous regions which are stable and do not undergo decomposition or sublimation in the glass transition region.

prEVS 29402

Tähtaeg: 2002-12-01

Identne IEC 60371-

2:1987+A1:1994

ja identne EN 60371-2:1997

**Specification for insulating materials based on mica - Part 2: Methods of test**

Defines the methods of test which are applicable to built-up mica materials, products based on them and mica paper. Tests are carried out at ambient temperature (15°C to 35°C), unless a test temperature is specified either in the method or in the specification for individual materials.

prEVS 33855

Tähtaeg: 2002-12-01

Identne IEC 60599:1999

ja identne EN 60599:1999

**Mineral oil-impregnated electrical equipment in service - Guide to the interpretation of dissolved and free gases analysis**

This International Standard is a guide describing how the concentrations of dissolved gases or free gases may be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggest future action. This guide is applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes (see annex A). The Guide may be applied only with caution to other liquid-solid insulating systems. In any case, the indications obtained should be viewed only as guidance and any resulting action should be undertaken only with proper engineering judgement.

prEVS 54081

Tähtaeg: 2002-12-01

Identne IEC 60343:1991

ja identne EN 60343:1992

**Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges**

Assesses the relative resistance of solid insulating materials to breakdown when exposed to partial surface discharges at stresses and frequencies used in industrial service.

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**19.040**

**Keskkonnakatsetused**

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**Environmental testing**

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**UUED STANDARDID**

EVS-EN 13146-6:2002

Hind 66,00

Identne EN 13146-6:2002

**Railway applications - Track - Test methods for fastening systems - Part 6: Effect of severe environmental conditions**

This European Standard specifies a laboratory test procedure for finding the effect of exposure to severe environmental conditions on the fastening system. This test procedure applies to a complete fastening assembly.

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 26939

Tähtaeg: 2002-12-01

Identne IEC 60068-

1:1988+corr1988+A1:1992

ja identne EN 60068-1:1994

**Environmental testing - Part 1: General and guidance**

The standard lists a series of environmental test procedures, and their severities, designed to assess the ability of electrotechnical products to perform under expected conditions of service.

prEVS 28620

Tähtaeg: 2002-12-01

Identne IEC 60721-3-9:1993

ja identne EN 60721-3-9:1993

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Section 9:**

**Microclimates inside products**

This section of IEC 721-3 defines classes of microclimatic conditions, to which components (basic parts, assemblies, built-in units) may be subjected inside products, which are used under the climatic conditions as classified in sections IEC 721-3-3 and IEC 721-3-4.

prEVS 29419

Tähtaeg: 2002-12-01

Identne IEC 60068-2-21:1999

ja identne EN 60068-2-21:1999

**Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices**

Applies to all electrical and electronic components whose terminations or integral mounting devices are liable to be subjected to stress during normal assembly or handling.

prEVS 30909

Tähtaeg: 2002-12-01

Identne IEC 60721-3-5:1997

ja identne EN 60721-3-5:1997

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Section 5:**

**Ground vehicle installations**

This standard classifies the environmental conditions to which a product not forming part of the vehicle is subjected when installed in a ground vehicle. Such products are for example radios, communication systems, fare meters, and flow meters for liquids transported by the vehicle.

Vehicles where products may be permanently or temporarily installed include road vehicles, rail vehicles, overland vehicles, handling and storage vehicles, and self-propelled machinery.

prEVS 30919

Tähtaeg: 2002-12-01

Identne IEC 60721-3-

3:1994+A2:1996

ja identne EN 60721-3-

3:1995+A2:1997

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Section 3:**

**Stationary use at**

**weatherprotected locations**

The standard classifies groups of environmental parameters and their severities to which products are subjected when mounted for stationary use at weatherprotected locations under use conditions, including periods of erection work, down time, maintenance and repair.

prEVS 33070

Tähtaeg: 2002-12-01

Identne IEC 60721-3-2:1997

ja identne EN 60721-3-2:1997

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Section 2:**

**Transportation**

This section of IEC 60721-3 classifies the groups of environmental parameters and their severities to which a product is subjected while being transported from one place to another after being made ready for dispatch from the manufacturing factory.

prEVS 33667

Tähtaeg: 2002-12-01

Identne IEC 60721-3-0:1984 +

A1:1987

ja identne EN 60721-3-0:1993

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Introduction**



The standard establishes classes of environmental parameters and their severities, covering the extreme (short-term) conditions which may be met by a product when being transported, installed, stored and used. Separate groups of classes are given for different product applications.

prEVS 33685

Tähtaeg: 2002-12-01

Identne IEC 60721-3-1:1997

ja identne EN 60721-3-1:1997

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Section 1:**

**Storage**

This section of IEC 60721-3 classifies the groups of environmental parameters and their severities to which products, together with their packaging, if any, are subjected when stored.

prEVS 33955

Tähtaeg: 2002-12-01

Identne IEC 60721-3-

6:1987+A1:1991+A2:1996

ja identne EN 60721-3-

6:1993+A2:1997

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Ship environment**

The standard classifies groups of environmental parameters and their severities to which a product is subjected when installed aboard a ship. Ships where products may be permanently or temporarily installed include ships propelled by mechanical means and ships not propelled by mechanical means.

prEVS 33956

Tähtaeg: 2002-12-01

Identne IEC 60721-3-4:1995 +

A1:1996

ja identne EN 60721-3-4:1995 +

A1:1997

**Classification of environmental conditions - Part 3:**

**Classification of groups of environmental parameters and their severities - Section 4:**

**Stationary use at non-**

**weatherprotected locations**

The standard classifies groups of environmental parameters and their severities to which a product may be exposed under its use conditions, including periods of erection work, down time, maintenance and repair, when mounted for stationary use at locations which are non-weatherprotected.

prEVS 34442

Tähtaeg: 2002-12-01

Identne IEC 60068-2-

1:1990+A1:1993

ja identne EN 60068-2-

1:1993+A1:1993

**Environmental testing - Part 2: Tests - Tests A: Cold**

The object of this standard is to provide a standard test procedure to determine the suitability of non heat-dissipating components, equipment or other articles for use and/or storage under conditions of low temperature and for which the subjection to a sudden change of temperature has no detrimental effect. This procedure is for specimens which are subjected to a low temperature for a time long enough for the specimen to achieve temperature stability.

prEVS 34443

Tähtaeg: 2002-12-01

Identne IEC 60068-2-

2:1974+A1:1993

ja identne EN 60068-2-

2:1993+A1:1993

**Basic environmental testing procedures - Part 2: Tests - Tests B: Dry heat**

The object of this standard is to provide a test procedure to determine the suitability of non heat-dissipating components, equipment or other articles for use and/or storage under conditions of high temperature and for which the subjection to a sudden change of temperature has no detrimental effect. This procedure is for specimens which are subjected to an elevated temperature for a time long enough for the specimen to achieve temperature stability.

prEVS 38772

Tähtaeg: 2002-12-01

Identne IEC 60068-2-13:1983

ja identne EN 60068-2-13:1999

**Environmental testing - Part 2: Tests - Test M: Low air**

**pressure**

The object of this test is to determine the ability of components, equipment or other articles to be stored, transported or used under low air pressure conditions.

prEVS 38773

Tähtaeg: 2002-12-01

Identne IEC 60068-2-11:1981

ja identne EN 60068-2-11:1999

**Environmental testing - Part 2: Tests - Test Ka: Salt mist**

The object of this standard is to compare the resistance to deterioration from salt mist of specimens of similar construction. Is useful for evaluating the quality and the uniformity of protective coatings.

prEVS 39996

Tähtaeg: 2002-12-01

Identne IEC 60068-2-

14:1984+A1:1986

ja identne EN 60068-2-14:1999

**Environmental testing - Part 2: Tests - Test N: Change of temperature**

The standard determines the ability of components, equipment or other articles to withstand rapid changes of ambient temperature. The exposure times adequate to accomplish this will depend upon the nature of the specimen.

prEVS 54129

Tähtaeg: 2002-12-01

Identne IEC 60721-2-5:1991

ja identne HD 478.2.5 S1:1993

**Classification of environmental conditions; Part 2:**

**Environmental conditions appearing in nature; Section 5: dust, sand, salt mist**

Presents characteristics of dust, sand and salt mist appearing in nature, and describes the influences from these environmental factors to which products are liable to be exposed during storage, transportation and use.

prEVS 54130

Tähtaeg: 2002-12-01

Identne IEC 60721-2-6:1990

ja identne HD 478.2.6 S1:1993

**Classification of environmental conditions; Part 2:**

**Environmental conditions appearing in nature;**

**Earthquake vibration and shock**

Deals with environmental conditions appearing in nature caused by earthquake vibration and shock.

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19.080

**Elektrilised ja  
elektroonilised katse- ja  
mõõtevahendid**

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Electrical and electronic  
testing

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**KAVANDITE.**

**ÄRVAMUSKÜSITLUS**

prEVS 29014

Tähtaeg: 2002-12-01

Identne EN 50073:1999

**Guide for selection, installation,  
use and maintenance of  
apparatus for the detection and  
measurement of combustible  
gases or oxygen**

This document gives guidance on the selection, installation, use and maintenance of electrically operated Group II 1 apparatus intended for use in industrial and commercial safety applications for the detection and measurement of: Combustible gases, complying with the requirements of EN 50054, EN 50057, EN 50058 or oxygen complying with the requirements of EN 50104 or apparatus approved by an accredited institution following other methods of performance testing for the above two cases.

prEVS 29232

Tähtaeg: 2002-12-01

Identne IEC 61032:1997

ja identne EN 61032:1998

**Protection of persons and  
equipment by enclosures -  
Probes for verification**

This International Standard specifies details and dimensions of test probes intended to verify the protection provided by enclosures with regard to: - protection of persons against access to hazardous parts inside the enclosure; - protection of the equipment inside the enclosure against ingress of solid foreign objects. The object of this Standard is: a) to bring together in one publication object probes and access probes currently specified in other standards with any new probe required; b) to guide Technical Committees in the selection of test probes; c) to encourage those concerned to specify test probes in accordance with those already specified in this International Standard rather than modify details and dimensions; d)

to limit the further proliferation of types of test probe.

prEVS 54112

Tähtaeg: 2002-12-01

Identne EN 50104:2002

**Electrical apparatus for the  
detection and measurement of  
oxygen - Performance**

**requirements and test methods**  
This European Standard specifies performance requirements and test methods for portable, transportable and fixed electrical apparatus for the measurement of the oxygen concentration in gas mixtures indicating up to 25% (v/v). This European Standard applies to apparatus intended for commercial and industrial safety applications, including integral sampling system of aspirated apparatus.

prEVS 54289

Tähtaeg: 2002-12-01

Identne IEC 60060-

1:1989+corr:1990

ja identne HD 588.1 S1:1991

**High-voltage test techniques;  
Part 1: General definitions and  
test requirements**

Applies to dielectric tests with direct voltage, dielectric tests with alternating voltage; dielectric tests with impulse voltage and impulse current, and tests with combinations of these.

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19.100

**Mittepurustav katsetamine**

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**Non-destructive testing**

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**UUED STANDARDID**

**EVS-EN 583-4:2002**

Hind 117,00

Identne EN 583-4:2002

**Non-destructive testing -  
Ultrasonic examination - Part 4:  
Examination for discontinuities  
perpendicular to the surface**

This European Standard defines the principles for tandem- and LLT<sup>1</sup>-examination for the detection of discontinuities perpendicular to the surface. The general principles required for the ultrasonic examination of industrial products are described in EN 583-1. A list of symbols and equations is given in EN 583-2.

**EVS-EN ISO 9934-3:2002**

Hind 83,00

Identne ISO 9934-3:2001

ja identne EN ISO 9934-3:2002

**Non-destructive testing -  
Magnetic particle testing - Part  
3: Equipment**

This European Standard describes three types of equipment for magnetic particle testing: - portable or transportable equipment; - fixed installations; - specialized testing systems for testing components on a continuous basis, comprising a series of processing stations placed in sequence to form a process line

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21.060.01

**Kinnituselemendid üldiselt**

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**Fasteners in general**

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**UUED STANDARDID**

**EVS-EN 13446:2002**

Hind 83,00

Identne EN 13446:2002

**Wood-based panels -  
Determination of withdrawal  
capacity of fasteners**

This European Standard specifies a test method for determining the withdrawal capacity of nails, screws and staples inserted into wood-based panels.

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21.160

**Vedrud**

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**Springs**

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**KAVANDITE**

**ÄRVAMUSKÜSITLUS**

prEVS 38024

Tähtaeg: 2003-01-01

Identne prEN 13298:2002

**Railway applications -  
Suspension components -  
Helical suspension springs,  
steel**

This European Standard is applicable to helical steel suspension springs used in the suspension of rail vehicles. It deals specially with cylindrical compression springs made from round section steel bars of constant diameter and with constant inclination of coiling

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**23.020.10****Stationsaarsed mahutid ja reservuaarid**

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Stationary containers and tanks

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54122

Tähtaeg: 2003-01-01

Identne prEN 13575:2002

**Thermoplastic tanks made from blow or rotational moulded polyethylene - Tanks for the above ground storage of chemicals - Requirements and test methods**

This European Standard specifies requirements for above ground single static thermoplastic tanks of volume 450 l to 10 000 l, which can be used for the storage of liquids other than water including chemicals classified as dangerous goods

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**23.020.20****Transpordivahenditele monteeritud anumad ja mahutid**

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Vessels and containers mounted on vehicles

**UUED STANDARDID**

EVS-EN 13315:2002

Hind 75,00

Identne EN 13315:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Gravity discharge coupler**

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

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 38266

Tähtaeg: 2003-01-01

Identne prEN 13308:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Non pressure balanced footvalve**  
This European Standard is applicable to non pressure balanced footvalve and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this standard

prEVS 38282

Tähtaeg: 2003-01-01

Identne prEN 13314:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Fill hole cover**

This European Standard covers the fill hole cover and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 38285

Tähtaeg: 2003-01-01

Identne prEN 13316:2002

**Tanks for transporting dangerous goods - Service for tanks - Pressure balanced footvalve**

This European Standard covers the pressure balanced footvalve for bottom loading and unloading and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 38292

Tähtaeg: 2003-01-01

Identne prEN 13317:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Manhole cover assembly**

This European Standard covers the manhole cover assembly and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 54269

Tähtaeg: 2003-01-01

Identne prEN 14512:2002

**Tanks for the transport of dangerous goods - Tank equipment for the transport of liquid chemicals - Hinged manhole cover and neckrings**

This standard specifies the general requirements for hinged manhole covers and neckrings for use on portable and transportable liquid chemical tanks for dangerous goods

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**23.020.30****Surveanumad, gaasiballoonid**

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Pressure vessels, gas cylinders

**UUED STANDARDID**

EVS-EN 12805:2002

Hind 190,00

Identne EN 12805:2002

**Automotive LPG components - Containers**

This standard specifies the requirements for design, manufacturing and testing of welded steel automotive Liquefied Petroleum Gas (LPG) containers, to be permanently attached to a motor vehicle, where the automotive LPG is to be used as a fuel in the vehicle.

EVS-EN 12817:2002

Hind 139,00

Identne EN 12817:2002

**Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> overground**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and equalification of fixed above ground LPG storage tanks of sizes from 150 l up to and including 13 m<sup>3</sup>, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification. This European Standard excludes refrigerated storage.

EVS-EN 12818:2002

Hind 155,00

Identne EN 12818:2002

**Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> underground**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and requalification of underground and mounded LPG storage tanks of sizes from 150 l up to and including 13 m<sup>3</sup>, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and

requaification. This European Standard excludes refrigerated storage.

**EVS-EN 12819:2002**

Hind 126,00

Identne EN 12819:2002

**Inspection and requalification of LPG tanks greater than 13 m3 overground**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and requalification of fixed overground LPG storage tanks of sizes greater than 13 m3, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification. This European Standard excludes refrigerated storage.

**EVS-EN 12820:2002**

Hind 139,00

Identne EN 12820:2002

**Inspection and requalification of LPG tanks greater than 13 m3 underground**

This European Standard specifies requirements for: a) routine inspection, periodic inspection and requalification of underground and mounded LPG storage tanks of sizes greater than 13 m3, and associated fittings; b) marking tanks and/or keeping records, as appropriate, as a result of routine inspection, periodic inspection and requalification. This European Standard excludes refrigerated storage.

**EVS-EN 13720:2002**

Hind 83,00

Identne EN 13720:2002

**Transportable gas cylinders - Filling conditions for acetylene battery vehicles**

This European Standard specifies the requirements for filling acetylene battery vehicles

**EVS-EN 764-2:2002**

Hind 66,00

Identne EN 764-2:2002

**Pressure equipment - Part 2: Quantities, symbols and units**

This European Standard specifies the basic quantities, symbols and units to be used for pressure equipment and assemblies addressed by the European Directive 97/23/EC.

**EVS-EN 764-3:2002**

Hind 66,00

Identne EN 764-3:2002

**Pressure equipment - Part 3: Definition of parties involved**

This part of this draft European Standard gives definitions of parties involved in the design, manufacture, testing and inspection of pressure equipment addressed by the European Directive 97/23/EC.

**EVS-EN 764-7:2002**

Hind 179,00

Identne EN 764-7:2002

**Pressure equipment - Part 7: Safety systems for unfired pressure equipment**

This European Standard specifies the requirements for safety systems which protect a vessel, a system of vessels, piping, accessories or assemblies from exceeding operating conditions. It is also applicable to safety related indicators and alarms, signals and warning devices when used in safety systems. Equipment connected together by piping of adequate capacity, free from potential blockages and which does not contain any valve that can isolate any part from the safety system may be considered as a single pressure system when considering the requirements for overpressure protection.

**EVS-EN 13445-1:2002**

Hind 101,00

Identne EN 13445-1:2002

**Unfired pressure vessels - Part 1: General**

This Part of this European Standard defines the terms, definitions, symbols and units that are used throughout the EN 13445. This Part of EN 13445 also gives guidelines on the principles on which each part of the standard has been based. This information is aimed to aid the user of the EN 13445. This European Standard applies to unfired pressure vessels subject to a maximum allowable pressure greater than 0,5 bar gauge but may be used for vessels operating at lower pressures, including vacuum.

**EVS-EN 13445-2:2002**

Hind 212,00

Identne EN 13445-2:2002

**Unfired pressure vessels - Part 2: Materials**

This Part of this European Standard specifies the requirements for materials (including clad materials) for unfired pressure vessels and supports which are covered by EN 13445-1:2002 and manufactured

from metallic materials; it is currently limited to steels with sufficient ductility. This document is not applicable in the creep range.

**EVS-EN 13445-3:2002**

Hind 540,00

Identne EN 13445-3:2002

**Unfired pressure vessels - Part 3: Design**

This Part of this European Standard specifies requirements for the design of unfired pressure vessels covered by EN 13445-1:2002 and constructed of steels in accordance with EN 13445-2:2002. EN 13445-5:2002, Annex C specifies requirements for the design of access and inspection openings, closing mechanisms and special locking elements.

**EVS-EN 13445-4:2002**

Hind 212,00

Identne EN 13445-4:2002

**Unfired pressure vessels - Part 4: Fabrication**

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

**EVS-EN 13445-5:2002**

Hind 247,00

Identne EN 13445-5:2002

**Unfired pressure vessels - Part 5: Inspection and testing**

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

**EVS-EN 13445-6:2002**

Hind 163,00

Identne EN 13445-6:2002

**Unfired pressure vessels - Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron**

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

## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 14934

Tähtaeg: 2003-01-01

Identne prEN 764-4:2002

#### **Pressure equipment - Part 4: Establishment of technical delivery conditions for materials**

This Part of the European Standard specifies the requirements for the establishment of the technical delivery conditions in form of: - European harmonized Standard for material; - European approval for material (EAM); - Particular material appraisal for metallic materials for pressure equipment in all product forms, and is restricted to steel at present. Welding consumables are not covered by this standard

prEVS 14936

Tähtaeg: 2003-01-01

Identne EN 764-5:2002

#### **Pressure Equipment - Part 5: Compliance and Inspection Documentation of Materials**

This Part of this European Standard specifies the materials for pressure equipment to comply with the requirements of the relevant pressure equipment material specification. This Part describes how this shall be applied to materials intended for the manufacturing of pressure bearing parts and attachments to them

prEVS 36382

Tähtaeg: 2003-01-01

Identne prEN 13110:2002

#### **Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) - Design and construction**

This European Standard specifies minimum requirements for material, design, construction and workmanship, testing and examination during the manufacture of transportable refillable welded aluminium liquefied petroleum gas (LPG) cylinders having a water capacity from 0,5 l up to and including 150 l, exposed to ambient temperature

prEVS 37020

Tähtaeg: 2003-01-01

Identne prEN 13175:2002

#### **Specification and testing for Liquefied Petroleum Gas (LPG) tank valves**

This European Standard specifies minimum requirements for the design and testing of valves, including appropriate fittings, which are connected to mobile or static LPG tanks above 150 litre water capacity. Pressure relief valves and their ancillary equipment, contents gauges and automotive LPG components are outside the scope of this European Standard

prEVS 54144

Tähtaeg: 2003-01-01

Identne EN 13445-

6:2002/prA1:2002

#### **Unfired pressure vessels -**

##### **Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron**

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

prEVS 54284

Tähtaeg: 2003-01-01

Identne prEN 417:2002

#### **Mittekorduva täitmise, ventiiliga või ilma ventiiliga, metallist gaasipadrund vedelgaasile, kasutamiseks portatiivsetes seadmetes. Konstruksioon, kontrollimine, katsetamine ja märgistamine**

This standard defines material, construction, inspection and marking requirements for non refillable metallic gas cartridges with or without a valve for use with portable appliances which comply with the requirements of EN 521. Portable appliances operating at vapour pressure from liquefied petroleum gas container

prEVS 54336

Tähtaeg: 2003-01-01

Identne prEN 14513:2002

#### **Transportable gas cylinders - Bursting disc pressure relief devices**

This standard specifies the requirements for the design, manufacture and testing for bursting disc pressure relief devices for use with gas cylinders. It is a requirement of this standard that the bursting disc pressure relief devices conform to prEN ISO 4126-2. In the event of a conflict, the requirements of this standard take precedence over that standard

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## **23.020.40**

### **Krüogeenanumad**

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#### **Cryogenic vessels**

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### **UUED STANDARDID**

#### **EVS-EN 13458-1:2002**

Hind 92,00

Identne EN 13458-1:2002

#### **Cryogenic vessels - Static vacuum insulated vessels - Part 1: Fundamental requirements**

This European Standard specifies the fundamental requirements for static vacuum insulated cryogenic vessels designed for a maximum allowable pressure greater than 0,5 bar. This European Standard applies to static vacuum insulated cryogenic vessels for fluids as specified in 3.1.

#### **EVS-EN 13530-1:2002**

Hind 101,00

Identne EN 13530-1:2002

#### **Cryogenic vessels - Large transportable vacuum insulated vessels - Part 1: Fundamental requirements**

This European Standard specifies the fundamental requirements for large transportable vacuum insulated cryogenic vessels designed to operate above atmospheric pressure. Appropriate parts can be used as a guidance for vessels designed to operate to the atmosphere. This European Standard applies to fixed tanks (of tank-vehicles and tank-wagons), demountable tanks, tanks of battery-vehicles and tank-containers (TC) for refrigerated liquefied gases in the sense of the regulations of the transport of dangerous goods. This standard applies to large transportable vacuum insulated cryogenic vessels for fluids as specified in 3.1 and is not applicable to such vessels designed for toxic fluids.

#### **EVS-EN 13530-3:2002**

Hind 117,00

Identne EN 13530-3:2002

**Cryogenic vessels - Large transportable vacuum insulated vessels - Part 3: Operational requirements**

This European Standard specifies operational requirements for large transportable vacuum insulated cryogenic vessels of more than 1000 l volume. This European Standard applies to vessels designed for cryogenic fluids specified in prEN 13530-1.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 39433

Tähtaeg: 2003-01-01

Identne prEN 13458-2:2002

**Cryogenic vessels - Static vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing**

This European Standard specifies requirements for the design, fabrication, inspection and testing of static vacuum insulated cryogenic vessels designed for a maximum allowable pressure of more than 0,5 bar

prEVS 54027

Tähtaeg: 2003-01-01

Identne EN 13530-2:2002

**Cryogenic vessels - Large transportable vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing**

This European Standard specifies requirements for the design, fabrication, inspection and testing of large transportable vacuum insulated cryogenic vessels of more than 1 000 l volume, which are permanently (fixed tanks) or not permanently (dismountable tanks) attached to a vehicle, for carriage by road. However, it can be used for other mode of transport providing the specific regulations/requirements are complied with

prEVS 54063

Tähtaeg: 2003-01-01

Identne prEN 13648-3:2002

**Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing**

This standard provides a separate calculation method for determining the contributing mass flow to be relieved resulting from each of the following specified conditions:- vacuum insulated vessels with insulation system (outer jacket + insulating material) intact under normal vacuum. Outer jacket at ambient temperature. Inner vessel at temperature of the contents at the relieving pressure;

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**23.040.01**

**Torustike osad ja torustikud üldiselt**

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**Pipeline components and pipelines in general**

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**UUED STANDARDID**

**EVS-EN 13480-1:2002**

Hind 92,00

Identne EN 13480-1:2002

**Metallic industrial piping - Part 1: General**

This European Standard specifies the requirements for industrial piping systems and supports, including safety systems, made of metallic materials (but initially restricted to steel) with a view to ensure safe operation. This European Standard is applicable to metallic piping above ground, ducted or buried, irrespective of pressure.

**EVS-EN 13480-2:2002**

Hind 212,00

Identne EN 13480-2:2002

**Metallic industrial piping - Part 2: Materials**

This Part of this European Standard specifies the requirements for materials (including metallic clad materials) for industrial piping and supports covered by EN 13480-1 manufactured from of metallic materials. It is currently limited to steels with sufficient ductility. This Part of this European Standard is not applicable to materials in the creep range.

**EVS-EN 13480-3:2002**

Hind 381,00

Identne EN 13480-3:2002

**Metallic industrial piping - Part 3: Design and calculation**

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

**EVS-EN 13480-4:2002**

Hind 212,00

Identne EN 13480-4:2002

**Metallic industrial piping - Part 4: Fabrication and installation**

This Part of this European Standard specifies the requirements for fabrication and installation of piping systems, including supports, designed in accordance with EN 13480-3.

**EVS-EN 13480-5:2002**

Hind 170,00

Identne EN 13480-5:2002

**Metallic industrial piping - Part 5: Inspection and testing**

This Part of this European Standard specifies the requirements for inspection and testing of industrial piping as defined in EN 13480-1:2002 to be performed on individual spools or piping systems, including supports, designed in accordance with EN 13480-3 and prEN 13480-6 (if applicable), and fabricated and installed in accordance with EN 13480-4.

**EVS-EN 1852-1:2001/A1:2002**

Hind 75,00

Identne EN 1852-1:1999/A1:2002

**Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene (PP) - Part 1: Specifications for pipes, fittings and the system**

The fourth paragraph is changed as follows, including a new note 0 (zero): This standard covers PP materials both with normal E-moduli and with higher E-moduli, designated as HM (higher modulus), and gives a range of nominal sizes, and pipe series and gives recommendations concerning colours

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 13195

Tähtaeg: 2003-01-01

Identne prEN 12201-1:2002

**Plastics piping systems for water supply - Polyethylene (PE) - Part 1: General**

This Part of this European Standard specifies the general aspects of polyethylene (PE) piping systems (mains and service pipes) intended for the conveyance of water for human consumption, including raw water prior to treatment. It also specifies the test parameters for the test methods referred to in this standard

prEVS 13208

Tähtaeg: 2003-01-01

Identne prEN 1555-1:2002

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

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

prEVS 13361

Tähtaeg: 2003-01-01

Identne prEN 12201-5:2002

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

This Part of this European Standard specifies the characteristics of the fitness for purpose of the assembled piping systems intended for the conveyance of water intended for human consumption, including raw water prior to treatment

prEVS 13432

Tähtaeg: 2003-01-01

Identne prEN 1555-5:2002

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

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

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## 23.040.10

### Malm- ja terastorud

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#### Iron and steel pipes

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### UUED STANDARDID

**EVS-EN 10216-2:2002**

Hind 179,00

Identne EN 10216-2:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties**

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

**EVS-EN 10216-3:2002**

Hind 170,00

Identne EN 10216-3:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 3: Alloy fine grain steel tubes**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, made of weldable alloyed fine grained steel.

**EVS-EN 10216-4:2002**

Hind 163,00

Identne EN 10216-4:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 4: Non-alloy and alloy steel tubes with specified low temperature properties**

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

**EVS-EN 10217-1:2002**

Hind 179,00

Identne EN 10217-1:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: Non-alloy steel tubes with specified room temperature properties**

This Part of EN 10217 specifies the technical delivery conditions for two qualities TR1 and TR2 of welded tubes of circular cross section, made of non-alloy quality steel and with specified room temperature properties.

**EVS-EN 10217-2:2002**

Hind 155,00

Identne EN 10217-2:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

**EVS-EN 10217-3:2002**

Hind 190,00

Identne EN 10217-3:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 3: Alloy fine grain steel tubes**

This Part of EN 10217 specifies the technical delivery condition in two test categories for welded tubes of circular cross section, made of weldable alloy fine grain steel.

**EVS-EN 10217-4:2002**

Hind 155,00

Identne EN 10217-4:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 4: Electric welded non-alloy steel tubes with specified low temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

**EVS-EN 10217-5:2002**

Hind 170,00

Identne EN 10217-5:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

**EVS-EN 10217-6:2002**

Hind 170,00

Identne EN 10217-6:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 17098

Tähtaeg: 2003-01-01

Identne prEN 10224:2002

**Non-alloy steel tubes and fittings for the conveyance of aqueous liquids including water for human consumption -**

**Technical delivery conditions**

This European Standard specifies requirements for the products listed below used for the conveyance of aqueous liquids, including water for human consumption: - seamless and welded non-alloy steel tubes; - end preparation of tube ends for butt welding;- fittings fabricated from the tube;- fittings fabricated from plate or strip

prEVS 39721

Tähtaeg: 2003-02-01

Identne prEN 10312:2002

**Welded stainless steel tubes for the conveyance of aqueous liquids including water for human consumption -**

**Technical delivery conditions**

This European Standard specifies the technical delivery conditions for light gauge welded stainless steel tubes, primarily for water application, including water intended for human consumption, supplied in straight lengths and suitable for use with compression fittings or press fittings or for adhesive bonding, silver brazing or inert gas welding of capillary fittings. The standard is applicable to the size range from 6 mm to 267 mm outside diameter made of stainless (except martensitic and precipitation hardening) steel grades taken from EN 10088-2

prEVS 54370

Tähtaeg: 2003-01-01

Identne prEN 10246-7:2002

**Non-destructive testing of steel tubes - Part 7: Automatic full peripheral ultrasonic testing of seamless and welded (except submerged arc welded) tubes for the detection of longitudinal imperfections**

This Part of EN 10 246 specifies the requirements for automatic full peripheral ultrasonic shear wave and Lamb wave testing of seamless and welded steel tubes, with the exception of submerged arc-weld (SAW) tubes, for the detection of longitudinal imperfections. The standard specifies acceptance levels and calibration procedures

### **23.040.20 Plasttorud**

Plastics pipes

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 13429

Tähtaeg: 2003-01-01

Identne prEN 1555-2:2002

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

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

prEVS 27591

Tähtaeg: 2003-01-01

Identne prEN 12201-2:2002

**Plastics piping systems for water supply - Polyethylene (PE) - Part 2: Pipes**

This Part of this European Standard specifies the characteristics of pipes made from polyethylene (PE) intended for the conveyance of water for human consumption, including raw water prior to treatment. It also specifies the test parameters for the test methods referred to in this standard

prEVS 37239

Tähtaeg: 2003-01-01

Identne prEN 13244-2:2002

**Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage - Polyethylene (PE) - Part 2: Pipes**

This Part of prEN 13244 specifies the characteristics of pipes made from polyethylene (PE) intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

### **23.040.40**

### **Metallist toruliitmikud**

Metal fittings

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 17098

Tähtaeg: 2003-01-01

Identne prEN 10224:2002

**Non-alloy steel tubes and fittings for the conveyance of aqueous liquids including water for human consumption -**

**Technical delivery conditions**

This European Standard specifies requirements for the products listed below used for the conveyance of aqueous liquids, including water for human consumption: - seamless and welded non-alloy steel tubes; - end preparation of tube ends for butt welding;- fittings fabricated from the tube;- fittings fabricated from plate or strip

### **23.040.45**

### **Plasttoruliitmikud**

Plastics fittings

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 13359

Tähtaeg: 2003-01-01

Identne prEN 12201-3:2002

**Plastics piping systems for water supply - Polyethylene (PE) - Part 3: Fittings**

This Part of this European Standard specifies the characteristics of fittings made from polyethylene (PE) intended for the conveyance of water for human consumption, including raw water prior to treatment. It also specifies the test parameters for the test methods referred to in this standard

prEVS 13430

Tähtaeg: 2003-01-01

Identne prEN 1555-3:2002

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

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



the test methods referred to in this standard

prEVS 37240

Tähtaeg: 2003-01-01

Identne prEN 13244-3:2002

**Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage - Polyethylene (PE) - Part 3: Fittings**

This Part of prEN 13244 specifies the characteristics of fittings made from polyethylene (PE) intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

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**23.040.60**

**Äärikud, muhvid jm toruühendused**

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**Flanges, couplings and joints**

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**UUED STANDARDID**

EVS-EN 1092-4:2002

Hind 117,00

Identne EN 1092-4:2002

**Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 4: Aluminium alloy flanges**

This standard specifies requirements for PN designated circular flanges for pipes, valves, fittings and accessories made from aluminium alloy in the range of DN 15 to DN 600 and PN10 to PN 63 (see Table 1). This standard specifies the types of flanges and their facings, dimensions and tolerances, bolt sizes, surface finish of jointing faces, marking and materials together with associated pressure/temperature (p/T) ratings. The flanges are intended to be used for piping as well as for pressure vessels.

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**23.040.70**

**Voolikud ja voolikuühendused**

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**Hoses and hose assemblies**

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**UUED STANDARDID**

EVS-EN 1947:2002

Hind 170,00

Identne EN 1947:2002

**Fire-fighting hoses - Semi-rigid delivery hoses and hose assemblies for pumps and vehicles**

This European Standard specifies the requirements and test methods for semi-rigid reel hoses for use on firefighting vehicles and trailer pumps. The hoses are intended for use at a maximum working pressure of 1,5 MPa for normal pressure hoses (category I) and 4,0 MPa for high pressure hoses (category II). The hoses are further subdivided into types and classes (see clause 4). The standard applies to delivery hoses for fire-fighting purposes intended for use at a minimum temperature of -20 °C. Hoses conforming to this standard should be used with fire hose couplings conforming to the relevant national standards couplings. Requirements are also given for hose assemblies (see clause 8) where these are fitted by the hose manufacturer.

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**23.040.80**

**Vooliku- ja toruühenduste tihendid**

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**Seals for pipe and hose assemblies**

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54114

Tähtaeg: 2003-01-01

Identne prEN 13555:2002

**Flanges and their joints - Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections**

This European Standard specifies the design parameters of gaskets and gasket materials required by EN 1591-1 and provides the test procedures for establishing the values of these parameters for inclusion in ENV 1591-2. The testing procedures given might be applicable to gaskets of other shapes and dimensions but this shall be indicated in the report

prEVS 54282

Tähtaeg: 2003-01-01

Identne prEN 1277:2002

**Plasttorustikusüsteemid.**

**Termoplastist isevõõrsed**

**torustikusüsteemid**

**kasutamiseks maa sees.**

**Elastomeersete**

**rõngastihenditega ühenduste**

**tihkuse katsemeetodid**

This standard specifies three basic test methods for determining the leaktightness of elastomeric sealing ring type joints for buried thermoplastics non-pressure piping systems. It also gives a combined test method where the three methods are executed successively.

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**23.040.99**

**Muud torustike komponendid**

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**Other pipeline components**

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**UUED STANDARDID**

EVS-EN 10290:2002

Hind 190,00

Identne EN 10290:2002

**Steel tubes and fittings for onshore and offshore pipelines - External liquid applied polyurethane and polyurethane-modified coatings**

The standard defines the requirements of liquid applied external coating, polyurethane (PUR) and polyurethanemodified (PUR-MOD), for the corrosion protection of tubes and pipeline fittings. The coating in this standard can be applied to longitudinally or spirally welded and to seamless steel tubes and fittings used for the construction of pipelines for conveying liquids or gases

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**23.060**

**Sulgeseadmed**

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**Valves**

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**UUED STANDARDID**

EVS-EN 61518:2002

Hind 155,00

Identne IEC 61518:2001

ja identne EN 61518:2001

**Mating dimensions between differential pressure (type) measuring instruments and flanged-on-shut-off devices up to 413 bar (41,3 mpa)**

This standard is applicable to differential pressure (type) measuring instruments with a shut-off device directly bolted on to it. The standard specifies mating dimensions, its tolerances, threads, bolts, and gaskets for a maximum allowable working pressure of 41,3MPa (413 bar) at 38 degrees C.

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**23.060.01****Sulgeseadmed üldiselt**

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**Valves in general**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 13421

Tähtaeg: 2003-01-01

Identne prEN 1555-4:2002

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

This part of prEN 1555 specifies the characteristics of valves made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels

prEVS 28321

Tähtaeg: 2003-01-01

Identne prEN 12266-2:2002

**Industrial valves - Testing of valves - Part 2: Tests, test procedures and acceptance criteria - Supplementary requirements**

This standard specifies supplementary requirements for tests, test procedures and acceptance criteria of industrial valves. The specified tests may be used as type tests, production tests or acceptance tests. The application of these tests will be specified in the appropriate product or performance standards

prEVS 35556

Tähtaeg: 2003-01-01

Identne prEN 13076:2002

**Devices to prevent pollution by backflow of potable water - Unrestricted air gap-Family A - Type A**

This European standard specifies the characteristics and the requirements of unrestricted air gaps Family A Type A intended for protection of potable water in water installations from pollution

prEVS 37020

Tähtaeg: 2003-01-01

Identne prEN 13175:2002

**Specification and testing for Liquefied Petroleum Gas (LPG) tank valves**

This European Standard specifies minimum requirements for the design and testing of valves, including appropriate fittings, which are connected to mobile or static LPG tanks above 150 litre water capacity. Pressure relief valves and their ancillary equipment, contents gauges and automotive LPG components are

outside the scope of this European Standard

prEVS 37241

Tähtaeg: 2003-01-01

Identne prEN 13244-4:2002

**Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage - Polyethylene (PE) - Part 4: Valves**

This Part of prEN 13244 specifies the characteristics of valves or valve bodies made from polyethylene (PE) intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

prEVS 54227

Tähtaeg: 2003-01-01

Identne prEN 14506:2002

**Devices to prevent pollution by backflow of potable water - Automatic diverter - Family H, type C**

This draft European standard specifies :- the field of application ; - the requirements for automatic diverter ; - the dimensional and the physico-chemical properties and the properties of general hydraulic, mechanical and acoustic design to automatic diverter

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**23.060.20****Kuul- ja korkkraanid**

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**Ball and plug valves**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 38266

Tähtaeg: 2003-01-01

Identne prEN 13308:2002

**Tanks for transport of dangerous goods - Service equipment for tanks - Non pressure balanced footvalve**

This European Standard is applicable to non pressure balanced footvalve and specifies the performance requirements, critical dimensions and tests necessary to verify the compliance of the equipment with this standard

prEVS 38285

Tähtaeg: 2003-01-01

Identne prEN 13316:2002

**Tanks for transporting dangerous goods - Service for tanks - Pressure balanced footvalve**

This European Standard covers the pressure balanced footvalve for bottom loading and unloading and specifies the performance requirements, dimensions and tests necessary to verify the compliance of the equipment to this standard

prEVS 54017

Tähtaeg: 2003-01-01

Identne EN 13709:2002

**Industrial Valves - Steel globe and globe stop and check valves**

This European Standard specifies the requirements for steel globe and globe stop and check valves which are wrought, cast or fabricated in straight, angle or oblique pattern with end connections flanged, butt welding, socket welding or threaded

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**23.060.30****Siibrid**

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**Gate valves**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 12379

Tähtaeg: 2003-01-01

Identne prEN 1171:2002

**Industrial valves - Cast iron gate valves**

This European Standard specifies the requirements for cast iron gate valves with flanged ends, socket ends or spigot ends

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**23.060.40****Rõhuregulaatorid**

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**Pressure regulators**

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**UUED STANDARDID****EVS-EN 13648-1:2002**

Hind 83,00

Identne EN 13648-1:2002

**Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service**

This European Standard specifies the requirements for the design, manufacture and testing of safety valves for cryogenic service, i.e. for operation with cryogenic fluids below 10 °C in addition to operation at ambient temperature. It is a requirement of this standard that the valves comply with prEN ISO 4126-1:2001.

**EVS-EN 13648-2:2002**

Hind 75,00

Identne EN 13648-2:2002

**Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service**

This European Standard specifies the requirements for the design, manufacture and testing of bursting disc safety devices for cryogenic service, i.e. for operation with cryogenic fluids below 10 °C in addition to operation at ambient temperature.

EVS-EN 12952-10:2002

Hind 92,00

Identne EN 12952-10:2002

**Water-tube boilers and auxiliary installations - Part 10:**

**Requirements for safeguards against excessive pressure**

This European Standard specifies the requirements for safeguards against excessive pressure in water-tube boilers as defined in prEN 12952-1.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 26474

Tähtaeg: 2002-12-01

Identne IEC 60534-2-3:1997

ja identne EN 60534-2-3:1998

**Industrial-process control valves - Part 2-3: Flow capacity - Test procedures**

This section of IEC 60534-2 is applicable to industrial-process control valves and provides the flow capacity test procedures for determining the variables used in the equations given in IEC 60534-2-1 and IEC 60534-2-2.

prEVS 27205

Tähtaeg: 2002-12-01

Identne IEC 60534-6-1:1997

ja identne EN 60534-6-1:1997

**Industrial-process control valves**

**- Part 6: Mounting details for attachment of positioners to control valves - Section 1: Positioner mounting on linear actuators**

This section of IEC Publication 60534-6 is intended to permit a variety of positioning devices, which respond to a linear motion, to be mounted on the actuator of a control valve, either directly or by employing an intermediate mounting bracket. This section is applicable where, interchangeability between actuators and positioners is desired.

prEVS 27963

Tähtaeg: 2002-12-01

Identne IEC 60534-2-1:1998

ja identne EN 60534-2-1:1998

**Industrial-process control valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions**

Applies to industrial-process control valves and provides the low capacity. This new edition of IEC 534-2-1 covers sizing equations for both incompressible and compressible fluid flow and replaces the first editions of both IEC 534-2-1 and IEC 534-2-2, which covered incompressible and compressible fluid flow, respectively.

prEVS 28941

Tähtaeg: 2002-12-01

Identne IEC 60534-3-3:1998

ja identne EN 60534-3-3:1998

**Industrial-process control valves - Part 3-3: Dimensions - Section 3: End-to-end dimensions for butt-weld, two-way, globe-type, straight pattern control valves**

This section of IEC 534-3 specifies end-to-end dimensions for given nominal sizes and pressure ratings of butt-weld, two-way, globe-type, straight pattern control valves for nominal sizes DN 15 through DN 450. The purpose of this standard is to aid users in their piping design by providing normalised dimensions of butt-weld end control valves.

prEVS 54063

Tähtaeg: 2003-01-01

Identne prEN 13648-3:2002

**Cryogenic vessels - Safety devices for protection against excessive pressure - Part 3: Determination of required discharge - Capacity and sizing**

This standard provides a separate calculation method for determining the contributing mass flow to be relieved resulting from each of the following specified conditions:- vacuum insulated vessels with insulation system (outer jacket + insulating material) intact under normal vacuum. Outer jacket at ambient temperature. Inner vessel at temperature of the contents at the relieving pressure;

prEVS 54099

Tähtaeg: 2002-12-01

Identne IEC 60534-1:1987

ja identne EN 60534-1:1993

**Industrial-process control valves - Part 1: Control valve terminology and general considerations**

Applies to all types of industrial-process control valves. Establishes a basic component and functional terminology list and gives guidance on the use of the other parts of this publication. Gives overall design requirements, test requirements and prediction methods.

prEVS 54100

Tähtaeg: 2002-12-01

Identne IEC 60534-8-2:1991

ja identne EN 60534-8-2:1993

**Industrial-process control valves; Part 8: Noise consideration; Section 2:**

**Laboratory measurement of noise generated by hydrodynamic flow through control valves**

Provides a method for measuring the sound-pressure level due to liquid flow through a control valve, and the characteristic increase in noise due to cavitation.

prEVS 54101

Tähtaeg: 2002-12-01

Identne IEC 60534-8-4:1994

ja identne EN 60534-8-4:1994

**Industrial-process control valves**

**- Part 8: Noise considerations - Section 4: Prediction of noise generated by hydrodynamic flow**

Permits designers and operators of industrial-process plants to determine the noise generated by hydrodynamic flow through control valves. The sound power emitted into the pipe as well as the airborne noise emitted by the valve and piping system can be predicted.

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**23.060.50**

**Lühikese vahekerega tagasilöögiklapid**

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Wafer check valves

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54017

Tähtaeg: 2003-01-01

Identne EN 13709:2002

**Industrial Valves - Steel globe and globe stop and check valves**

This European Standard specifies the requirements for steel globe and globe stop and check valves which are wrought, cast or fabricated in straight, angle or oblique pattern with end connections flanged, butt welding, socket welding or threaded

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**23.060.99****Muud sulgeseadmed**

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**Other valves**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54108

Tähtaeg: 2003-01-01

Identne prEN 12380:2002

**Air admittance valves for drainage systems -****Requirements, tests methods and evaluation of conformity**

This European Standard establishes requirements, test methods and evaluation of conformity for air admittance valves to be used in drainage systems installed inside buildings in accordance with EN 12056-2 and EN 12056-5. It specifies the performance requirements of air admittance valves and how to test them to demonstrate compliance with this standard

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**23.080****Pumbad**

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**Pumps**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54238

Tähtaeg: 2002-12-01

Identne IEC 60335-2-41:1996/  
A1:2000ja identne EN 60335-2-41:1996/  
A1:2001**Safety of household and similar electrical appliances - Part 2-41: Particular requirements for pumps**

This standard deals with the safety of electric pumps for liquids having a temperature not exceeding 35 °C, which are intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

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**23.100.10****Pumbad ja mootorid**

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**Pumps and motors**

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**UUED STANDARDID**

EVS-EN 61362:2002

Hind 283,00

Identne IEC 61362:1998

ja identne EN 61362:1998

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

This guide includes relevant technical data necessary to describe hydraulic turbine control systems and define their performance. It is aimed at unifying and thus facilitating the bidding specifications and technical bids. It will also serve as a basis for setting up technical guarantees.

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**23.120****Ventilaatorid. Puhurid. Kliimaseadmed**

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**Ventilators. Fans. Air-conditioners**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 27011

Tähtaeg: 2003-01-01

Identne prEN 12101-2:2002

**Smoke and heat control systems - Part 2: Specification for natural smoke and heat exhaust ventilators**

This part of this European Standard specifies requirements and gives test methods for natural smoke and heat exhaust ventilators which are intended to be installed as a component of a natural smoke and heat exhaust system

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**23.140****Kompressorid ja suruõhumasinad**

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**Compressors and pneumatic machines**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54142

Tähtaeg: 2003-01-01

Identne ISO 13631:2002

ja identne EN ISO 13631:2002

**Petroleum and natural gas industries - Packaged reciprocating gas compressors**

This international Standard gives requirements and recommendations for the design, materials, fabrication, inspection, testing and preparation for shipment of packaged skid-mounted, reciprocating, separable or integral compressors with lubricated cylinders and their prime movers, for use in the petroleum and natural gas industries for the compression of hydrocarbon gas

prEVS 54254

Tähtaeg: 2002-12-01

Identne IEC 60335-2-34:1999

ja identne EN 60335-2-34:2000

**Safety of household and similar electrical appliances - Part 2-34: Particular requirements for motor-compressors**

This standard applies to sealed (hermetic and semi-hermetic type) motor-compressors intended for use in equipment for household and similar purposes and which conform with the standards applicable to such equipment. It applies to motor-compressors tested separately, under the most severe conditions which may be expected to occur in normal use, their rated voltage being not more than 250 V for single-phase motor-compressors and 480 V for other motor-compressors.

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**25.040.30****Tööstusrobotid. Manipulaatorid**

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**Industrial robots.****Manipulators**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54194

Tähtaeg: 2003-01-01

Identne ISO 15187:2002

ja identne EN ISO 15187:2002

**Manipulating industrial robots - Graphical user interfaces for programming and operation of robots (GUI-R)**

This International Standard specifies the structure and the elements of a graphical user interface for programming and operation of robots (GUI-R). Figure 3 shows the relation to the robot system, to the programming and simulation system, and to the program editor

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**25.040.40****Mõõtmise ja kontrolli tööstusprotsessides**

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**Industrial process****measurement and control**

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**UUED STANDARDID**

EVS-EN 61512-1:2002

Hind 338,00

Identne IEC 61512-1:1997

ja identne EN 61512-1:1999

**Batch control - Part 1: Models and terminology**

This part of the standard on Batch Control defines reference models for batch control as used in the process industries and terminology that helps explain the relationships between these models and terms. This standard may not apply to all batch control applications.

## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 22789 .

Tähtaeg: 2002-12-01

Identne IEC 61003-1:1991

ja identne EN 61003-1:1993

### **Industrial-process control systems - Instruments with analogue inputs and two- or multi-state outputs - Part 1: Methods of evaluating the performance**

Applies to pneumatic and electric industrial-process instruments using measured values that are continuous signals. Specifies uniform methods of tests for the evaluation of the performance.

prEVS 27963

Tähtaeg: 2002-12-01

Identne IEC 60534-2-1:1998

ja identne EN 60534-2-1:1998

### **Industrial-process control valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions**

Applies to industrial-process control valves and provides the low capacity. This new edition of IEC 534-2-1 covers sizing equations for both incompressible and compressible fluid flow and replaces the first editions of both IEC 534-2-1 and IEC 534-2-2, which covered incompressible and compressible fluid flow, respectively.

prEVS 28941

Tähtaeg: 2002-12-01

Identne IEC 60534-3-3:1998

ja identne EN 60534-3-3:1998

### **Industrial-process control valves - Part 3-3: Dimensions - Section 3: End-to-end dimensions for butt-weld, two-way, globe-type, straight pattern control valves**

This section of IEC 534-3 specifies end-to-end dimensions for given nominal sizes and pressure ratings of butt-weld, two-way, globe-type, straight pattern control valves for nominal sizes DN 15 through DN 450. The purpose of this standard is to aid users in their piping design by providing normalised dimensions of butt-weld end control valves.

prEVS 54088

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Tähtaeg: 2002-12-01

Identne IEC 60382:1991

ja identne EN 60382:1993

### **Analogue pneumatic signal for process control systems**

Applies to analogue pneumatic signals used in process control systems to transmit information between the elements of systems and gives definitions, units and the recommended value of the range of the analogue pneumatic signal.

prEVS 54099

Tähtaeg: 2002-12-01

Identne IEC 60534-1:1987

ja identne EN 60534-1:1993

### **Industrial-process control valves - Part 1: Control valve terminology and general considerations**

Applies to all types of industrial-process control valves. Establishes a basic component and functional terminology list and gives guidance on the use of the other parts of this publication. Gives overall design requirements, test requirements and prediction methods.

prEVS 54100

Tähtaeg: 2002-12-01

Identne IEC 60534-8-2:1991

ja identne EN 60534-8-2:1993

### **Industrial-process control valves; Part 8: Noise consideration; Section 2: Laboratory measurement of noise generated by hydrodynamic flow through control valves**

Provides a method for measuring the sound-pressure level due to liquid flow through a control valve, and the characteristic increase in noise due to cavitation.

prEVS 54101

Tähtaeg: 2002-12-01

Identne IEC 60534-8-4:1994

ja identne EN 60534-8-4:1994

### **Industrial-process control valves - Part 8: Noise considerations - Section 4: Prediction of noise generated by hydrodynamic flow**

Permits designers and operators of industrial-process plants to determine the noise generated by hydrodynamic flow through control valves. The sound power emitted into the pipe as well as the airborne noise emitted by the valve and piping system can be predicted.

prEVS 54102

Tähtaeg: 2002-12-01

Identne IEC 60546-1:1987

ja identne EN 60546-1:1993

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

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

prEVS 54103

Tähtaeg: 2002-12-01

Identne IEC 60546-2:1987

ja identne EN 60546-2:1993

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

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

prEVS 54274

Tähtaeg: 2002-12-01

Identne IEC 60946:1988

ja identne HD 557 S1:1990

### **Binary direct voltage signals for process measurement and control systems**

Applies to non-multiplexed two wire binary direct voltage signals of nominal 24 V level that are used in industrial-process measurement and control systems to transmit information between elements of systems.

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## **25.100.50**

### **Keermepuurid ja -löikurid**

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#### **Taps and threading dies**

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## **KAVANDITE**

## **ARVAMUSKÜSITLUS**

prEVS 30076

Tähtaeg: 2002-12-01

Identne EN 50144-2-9:1996

### **Safety of hand-held electric motor operated tools - Part 2-9: Particular requirements for tappers**

This standard applies to tappers.

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## **25.120.10**

### **Sepistusseadmed. Pressid. Käärid**

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#### **Forging equipment. Presses. Shears**

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## **KAVANDITE**

## **ARVAMUSKÜSITLUS**

prEVS 30075

Tähtaeg: 2002-12-01  
Identne EN 50144-2-8:1996  
**Safety of hand-held electric motor operated tools - Part 2-8: Particular requirements for sheet metal shears and nibblers**  
This standard applies to sheet metal shears and nibblers.

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## 25.140.20 Elektritööriistad

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### Electric tools

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#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 30075

Tähtaeg: 2002-12-01

Identne EN 50144-2-8:1996

**Safety of hand-held electric motor operated tools - Part 2-8: Particular requirements for sheet metal shears and nibblers**

This standard applies to sheet metal shears and nibblers.

prEVS 30076

Tähtaeg: 2002-12-01

Identne EN 50144-2-9:1996

**Safety of hand-held electric motor operated tools - Part 2-9: Particular requirements for tappers**

This standard applies to tappers.

prEVS 54109

Tähtaeg: 2002-12-01

Identne EN 50144-

1:1998/A1:2002

**Safety of hand-held electric motor operated tools - Part 1: General requirements**

This standard applies to hand-held electric motor operated or magnetically driven tools, intended for indoor or outdoor use designed for use by one person. This standard applies to a.c. tools having any frequency and d.c. tools.

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## 25.140.30 Käsitööriistad

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### Hand-operated tools

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#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 26512

Tähtaeg: 2002-12-01

Identne EN 50109-1:1995

**Hand crimping tools - Tools for the crimp termination of electric cables and wires for low frequency and radio frequency applications - Part 1: General requirements and tests**

Part 1 of this European Standard specifies general requirements and tests for hand crimping tools for the operation within an ambient temperature range of -15°C to +40°C.

prEVS 26515

Tähtaeg: 2002-12-01

Identne EN 50109-2-1:1995

**Hand crimping tools - Tools for the crimp termination of electric cables and wires for low frequency and radio frequency applications - Part 2-1:**

**Particular requirements for radio frequency connectors and concentric contacts - Open throat tools with fixed dies, sizes A to E, V and W**

Part 2-1 of this European Standard specifies requirements, limiting dimensions and operating forces for hand crimping tools with fixed dies, sizes A to E, V and W, for the termination of cables to radio frequency connectors. For tool style references see 5.1 and table 1.

prEVS 26517

Tähtaeg: 2002-12-01

Identne EN 50109-2-2:1995

**Hand crimping tools - Tools for the crimp termination of electric cables and wires for low frequency and radio frequency applications - Part 2-2:**

**Particular requirements for radio frequency connectors and concentric contacts - Open throat tools with removable and interchangeable dies, sizes A to G, Q to T, V and W**

Part 2-2 of this European Standard specifies requirements, limiting dimensions and operating forces for hand crimping tools with removable and interchangeable dies, sizes A to G, Q to T, V and W, for the termination of cables to radio frequency connectors. For tool style references see 5.1 and table 1.

prEVS 26520

Tähtaeg: 2002-12-01

Identne EN 50109-2-3:1995

**Hand crimping tools. Tools for the crimp termination of electric cables and wires for low frequency and radio frequency applications - Part 2-3:**

**Particular requirements for contacts of electrical connectors**

Part 2-3 of this European Standard specifies detail requirements for hand crimping tools incorporating a system of multiple indentors for use with removable male and female contacts of electrical connectors and similar components.

prEVS 26524

Tähtaeg: 2002-12-01

Identne EN 50109-2-4:1995

**Hand crimping tools. Tools for the crimp termination of electric cables and wires for low frequency and radio frequency applications - Part 2-4:**

**Particular requirements for centre contacts of RF connectors, series SMZ**

Part 2-4 of this European Standard specifies detail requirements, limiting dimensions and operating forces incorporating a system of multiple indentors of the 8-indent type, commonly known as "Octodent". It includes test requirements for the tool crimping action, under load using a test-piece.

prEVS 26525

Tähtaeg: 2002-12-01

Identne EN 50109-2-5:1995

**Hand crimping tools. Tools for the crimp termination of electric cables and wires for low frequency and radio frequency applications - Part 2-5:**

**Particular requirements for the termination of twin-ax cable for databus applications**

Part 2-5 of this European Standard specifies detail requirements for hand crimping tools incorporating a system of multiple indentors for use with Databus contacts of electrical connectors and similar components.

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## 25.160.10 Keevitustööd ja keevitaja kutseoskus

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### Welding processes

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#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 35749

Tähtaeg: 2003-01-01

Identne prEN 13067:2002

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

This standard specifies the method of testing the knowledge and skill of a welder who is required to carry out welds on thermoplastics in new constructions and repair work

prEVS 54157

Tähtaeg: 2003-01-01

Identne ISO 9013:2002

ja identne EN ISO 9013:2002

**Keevitus ja seonduvad protsessid. Liigitamine kvaliteedi alusel ja mõõtmete tolerantsid termolõigatud (hapnik-põlevgaasi leek) pindade korral**

This standard is valid for materials suitable for oxygen cutting and for workpiece thicknesses from 3 mm to 300 mm. It applies to cut metal surfaces produced by oxygen/fuel gas flame cutting and requires quality classification and dimensional tolerances

prEVS 54333

Tähtaeg: 2003-01-01

Identne ISO/DIS 9606-2:2002

ja identne prEN ISO 9606-2:2002

**Qualification test of welders - Fusion welding - Part 2: Aluminium and aluminium alloys**

This standard defines the qualification test of welders for the fusion welding of aluminium and aluminium alloys (see EN 1418). It provides a set of technical rules for a systematic qualification test of the welder, and enables such qualifications to be uniformly accepted independently of the type of product, location and examiner/examining body

prEVS 54340

Tähtaeg: 2003-01-01

Identne ISO/DIS 15614-13:2002

ja identne prEN ISO 15614-13:2002

**Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 13: Resistance butt and flash welding**

This standard specifies the tests which may be used for qualification of welding procedure specifications. This standard is a part of a series of standards. Details of this series are given in prEN ISO 15607, Annex A. It defines the conditions for carrying out tests and the limits of validity of an qualified welding procedure for all practical welding operations covered by this standard

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## 25.160.20

### Elektroodid ja täidisemetalid

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#### Welding consumables

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 38727

Tähtaeg: 2003-01-01

Identne prEN 13347:2002

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

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

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## 25.160.30

### Keevitusseadmed

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#### Welding equipment

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54376

Tähtaeg: 2003-01-01

Identne ISO 8205-1:2002

ja identne EN ISO 8205-1:2002

**Water-cooled secondary connection cables for resistance welding - Part 1: Dimensions and requirements for doubleconductor connection cables**

This part of ISO 8205 specifies the dimensions of double-conductor connection cables used for resistance welding and allied processes. It stipulates the requirements regarding the electrical, mechanical and cooling characteristics of these cables and their conditions of use

prEVS 54378

Tähtaeg: 2003-01-01

Identne ISO 8205-2:2002

ja identne EN ISO 8205-2:2002

**Water-cooled secondary connection cables for resistance welding - Part 2: Dimensions and requirements for singleconductor connection cables**

This part of ISO 8205 specifies the dimensions of single-conductor connection cables used for resistance welding and allied processes. It stipulates the requirements regarding the electrical and cooling characteristics of these cables and their conditions of use

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## 25.160.40

### Keevisliited

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#### Welded joints

#### UUED STANDARDID

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

Hind 92,00

Identne EN 12062:1997/A1:2002

**Keevisõmbluste mittepurustav kontrollimine. Üldjuhised metalsete materjalide kohta**

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

**EVS-EN 1289:1999/A1:2002**

Hind 101,00

Identne EN 1289:1998/A1:2002

**Keevisõmbluste mittepurustav kontrollimine. Keevisõmbluste katsetamine kapillaarmetodil (immutusvedelikega).**

**Tehnilistele tingimustele vastavuse tasemed**

Käesolev Euroopa standard määrab kindlaks tehnilistele tingimustele vastavuse tasemed metalsete keevisõmbluste kapillaarmetodil (immutusvedelike meetodil) avastatud ja pinda rikkuvate keevitusvigade tunnusjälgede järgi.

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

Hind 101,00

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.

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

Hind 66,00

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.

**EVS-EN 1435:1999/A1:2002**

Hind 92,00

Identne EN 1435:1997/A1:2002

**Keevisõmbuste mittepurustav kontrollimine. Keevisliidete radiograafilise uurimise**

Käesolev standard määrab kindlaks radiograafiameetodi põhitehnikad eesmärgiga ökonoomselt saavutada rahuldavaid ja korratavaid tulemusi. Katsetehnikad põhinevad üldiselt tunnustatud praktilikal ja alusteoorial. Standardit rakendatakse metalsete materjalide sulakeevitatud liidete radiograafilisel kontrollimisel.

**EVS-EN 1712:1999/A1:2002**

Hind 66,00

Identne EN 1712:1997/A1:2002

**Keevisõmbuste mittepurustav kontrollimine. Keevisliidete ultrahelikontrollimine.**

**Vastuvõetavuse tasemed**

This standard specifies ultrasonic acceptance levels, 2 and 3, for full penetration welded joints in ferritic steels, which correspond to the quality levels B and C of EN 25817, respectively. Other acceptance levels can be used by agreement between the contracting parties.

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

Hind 66,00

Identne EN 1713:1998/A1:2002

**Keevisõmbuste mittepurustav kontrollimine. Ultraheliuuring.**

**Keevisõmbustelt saadud signaalide iseloomustus**

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

**EVS-EN 1714:1999/A1:2002**

Hind 101,00

Identne EN 1714:1997/A1:2002

**Keevisõmbuste mittepurustav kontrollimine. Keevisliidete ultrahelikontrollimine**

Käesolev standard määrab kindlaks käsitsi teostatava ultrahelikontrolli meetodid 8 mm ja paksemate metalsete materjalide keevisliidete korral, kui esineb väike ultrahelilainete nõrgenemine (peamiselt tingituna hajumisest). Selline kontrollimine on peamiselt ette nähtud kasutamiseks täieliku läbikeevitusega keevisliidete korral, kus nii keevitusmetall kui ka põhimetall on ferriitsed.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54120

Tähtaeg: 2003-01-01

Identne prEN 13100-3:2002

**Non-destructive testing of welded joints in thermoplastics semifinished products - Part 3: Ultrasonic testing**

This standard specifies methods for the manual ultrasonic examination of heated tool, electrofusion, extrusion and hot gas joints in plastics materials. It applies to joints in single wall pipes and plates. The range of thicknesses covered is from 10 mm to 100 mm

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**25.160.50**

**Jootmine kõva- ja pehmejoodisega**

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**Brazing and soldering**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38727

Tähtaeg: 2003-01-01

Identne prEN 13347:2002

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

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

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**25.180.10**

**Elektriahjud**

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**Electric furnaces**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 34933

Tähtaeg: 2002-12-01

Identne IEC 60398:1999

ja identne EN 60398:1999

**Industrial electroheating installations - General test methods**

This standard is applicable to industrial electroheat installations such as: Direct arc furnaces, submerged arc furnaces, induction furnaces, medium and high-frequency induction heating, r.f. heating and dielectric heating appliances, appliances for direct and indirect resistance heating.

prEVS 54297

Tähtaeg: 2002-12-01

Identne IEC 60683:1980

ja identne HD 599 S1:1992

**Test methods for submerged-arc furnaces**

Standardizes submerged arc furnace test conditions and methods to determine their main parameters and technical characteristics. Applies to industrial three-phase submerged arc furnaces with rated power level of 1 000 kVA or more. Also applies to furnaces having one or more electrodes, other than three-phase furnaces.

prEVS 54371

Tähtaeg: 2002-12-01

Identne IEC 60396:1991

ja identne HD 610 S1:1992

**Test methods for induction channel furnaces**

Standardizes test methods to determine the essential parameters and technical characteristics of electro-heat installations comprising industrial induction channel furnaces for melting, holding and super-heating.



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25.220

**Pinnatöötlus ja pindamine**

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Surface treatment and coating

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**UUED STANDARDID**

**EVS-EN 13523-18:2002**

Hind 66,00

Identne EN 13523-18:2002

**Coil coated metals - Test methods - Part 18: Resistance to staining**

This Part of EN 13523 specifies test procedures for assessing the effect of chemicals on the characteristics of an organic coating on a metallic substrate. It covers testing by using defined substances and to assess the change in characteristics such as discoloration, change in gloss, blistering, softening, swelling and loss of adhesion. Assessment of other phenomena may be agreed between the interested parties.

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25.220.20

**Pinnatöötlus**

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Surface treatment

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**UUED STANDARDID**

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

Hind 75,00

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

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25.220.50

**Emailpinded**

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Enamels

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 25701

Tähtaeg: 2003-01-01

Identne prEN 14483-1:2002

**Vitreous and porcelain enamels**

**- Determination of resistance to chemical corrosion - Part 1:**

**Determination of resistance to chemical corrosion by acids at room temperature**

This Part 1 of EN 14483 describes a test method for the determination of resistance of vitreous and porcelain enamelled articles to attack by an acid at room temperature, and also specifies a method of classifying results

prEVS 25704

Tähtaeg: 2003-01-01

Identne prEN 14483-2:2002

**Vitreous and porcelain enamels**

**- Determination of resistance to chemical corrosion - Part 2:**

**Determination of resistance to chemical corrosion by boiling acids, neutral liquids and/or their vapours**

This Part of EN 14483 describes a test method for the determination of the resistance of flat surfaces of vitreous and porcelain enamels to boiling acids, neutral liquids, and/or their vapours. This method allows the determination of the resistance of vitreous and porcelain enamels to the liquid and vapour phases of the corrosive medium simultaneously

prEVS 54106

Tähtaeg: 2003-01-01

Identne prEN 14483-3:2002

**Vitreous and porcelain enamels**

**- Determination of resistance to chemical corrosion - Part 3:**

**Determination of resistance to chemical corrosion by alkaline liquids using a hexagonal vessel**

This Part of EN xxxxx describes a test method for the determination of the resistance of vitreous and porcelain enamelled articles to attack by alkaline liquids at temperatures between 25 and 95°C. The apparatus used in this section is a hexagonal vessel in which 6 enamelled specimens are simultaneously tested

prEVS 54206

Tähtaeg: 2003-01-01

Identne prEN 14483-4:2002

**Vitreous and porcelain enamels**

**- Determination of resistance to chemical corrosion - Part 4:**

**Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel**

This part of EN 14483 describes a test method for the determination of vitreous and porcelain enamelled articles to resistance to attack by alkaline liquids at temperatures between 25 °C and 95 °C. The apparatus used is a cylindrical vessel in which only one enamelled specimen is tested

prEVS 54207

Tähtaeg: 2003-01-01

Identne prEN 14483-5:2002

**Vitreous and porcelain enamels**

**- Determination of resistance to chemical corrosion - Part 5:**

**Determination of resistance to chemical corrosion in closed systems**

This part of EN 14483 describes a test method for the determination of resistance to attack in closed systems by acid and neutral liquids, as well as by actual process mixes, the given corrosive agent generally applied at a temperature above its boiling point

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25.220.60

**Orgaanilised pinded**

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Organic coatings

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**UUED STANDARDID**

**EVS-EN 10290:2002**

Hind 190,00

Identne EN 10290:2002

**Steel tubes and fittings for onshore and offshore pipelines - External liquid applied polyurethane and polyurethane-modified coatings**

The standard defines the requirements of liquid applied external coating, polyurethane (PUR) and polyurethanemodified (PUR-MOD), for the corrosion protection of tubes and pipeline fittings. The coating in this standard can be applied to longitudinally or spirally welded and to seamless steel tubes and fittings used for the construction of pipelines for conveying liquids or gases

**EVS-EN 13523-6:2002**

Hind 75,00

Identne EN 13523-6:2002

**Coil coated metals - Test methods - Part 6: Adhesion after indentation (cupping test)**

This Part of EN 13523 defines terms of the procedure for determining the adhesion of an organic coating to a metallic substrate after indentation after slow deformation. The resistance to cracking may also be evaluated

**EVS-EN 13523-8:2002**

Hind 75,00

Identne EN 13523-8:2002

**Coil coated metals - Test methods - Part 8: Resistance to salt spray (fog)**

This Part of EN 13523 defines terms of the procedure for determining the resistance to salt spray (fog) of an organic coating on a metallic substrate. For steel neutral salt spray (fog) is usually used, and for aluminium acetic acid salt spray (fog).

**EVS-EN 13523-15:2002**

Hind 66,00

Identne EN 13523-15:2002

**Coil coated metals - Test methods - Part 15: Metamerism**

This Part of EN 13523 defines terms of the procedure for determining the metamerism of a colour match of an organic coating on a metallic substrate. When two colour specimens have identical spectral reflection curves, they are matching under any illuminant irrespective of its spectral characteristics. This is termed a "spectral match". It is also possible for two colour specimens having different spectral reflection curves to match visually under a given light source but not to match under another light source with different spectral characteristics; such matches are termed "metameric"

**EVS-EN 13523-23:2002**

Hind 66,00

Identne EN 13523-23:2002

**Coil coated metals - Test methods - Part 23: Colour stability in humid atmospheres containing sulfur dioxide**

This Part of EN 13523 defines terms of the procedure for determining the colour stability of an organic coating on a metallic substrate when exposed to humid atmospheres containing sulfur dioxide. This method has been designed to provide an accelerated test for evaluating the colour fastness of coil coated products in atmospheres containing sulfur dioxide (typical of industrial atmospheres).

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**27.020**

**Sisepõlemismootorid**

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**Internal combustion engines**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54165

Tähtaeg: 2002-12-01

Identne CISPR 12:2001

ja identne EN 55012:2002

**Vehicles, boats and internal combustion engine driven devices - Radio disturbance characteristics - Limits and methods of measurement for the protection of receivers except those installed in the vehicle/boat/device itself or in adjacent vehicles/boats/devices**

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

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**27.040**

**Gaasi- ja auruturbiinid. Aurumasinad**

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**Gas and steam turbines.**

**Steam engines**

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**UUED STANDARDID**

**EVS-EN 12952-6:2002**

Hind 170,00

Identne EN 12952-6:2002

**Water-tube boilers and auxiliary installations - Part 6: Inspection during construction;**

**documentation and marking of pressure parts of the boiler**

This Part of this European Standard specifies requirements for the inspection during construction, documentation and marking of water-tube boilers as defined in EN 12952-1.

**EVS-EN 12952-7:2002**

Hind 199,00

Identne EN 12952-7:2002

**Water-tube boilers and auxiliary installations - Part 7:**

**Requirements for equipment for the boiler**

This part of the European Standard defines the requirements for equipment for steam boilers and hot water generators as defined in EN 12952-1, wherein steam or hot water will be generated. Requirements for equipment for chemical recovery boilers are given in annex A and design examples for hot water generating systems are given in annex B.

**EVS-EN 12952-10:2002**

Hind 92,00

Identne EN 12952-10:2002

**Water-tube boilers and auxiliary installations - Part 10:**

**Requirements for safeguards against excessive pressure**

This European Standard specifies the requirements for safeguards against excessive pressure in water-tube boilers as defined in prEN 12952-1.

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**27.060.20**

**Gaasipõletid**

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**Gas fuel burners**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54234

Tähtaeg: 2003-01-01

Identne EN 12067-

1:1998/prA1:2002

**Gaasi/õhu suhte kontrollimine gaasipõletites ja gaasipõleti seadmetes. Osa 1:**

**Pneumaatilised tüübid**

This part of the standard specifies the safety, construction and performance requirements for gas/air ratio controls for inlet pressure up to and including 500 mbar of nominal connection size up to and including DN 150, intended for use with gas appliances for use with one or more fuel gases of the first, second or third families. It also describes the test procedures for evaluating these requirements and specifies information necessary for installation and use.

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## 27.060.30

### Katlad ja soojusvahetid

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#### Boilers and heat exchangers

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#### UUED STANDARDID

##### EVS-EN 12952-8:2002

Hind 146,00

Identne EN 12952-8:2002

##### **Water-tube boilers and auxiliary installations - Part 8:**

##### **Requirements for firing systems for liquid and gaseous fuels for the boiler**

This Part of this European Standard specifies requirements, for oil and gas firing systems of steam boilers and hot water generators as defined in EN 12952-1. These requirements also apply to firing systems of chemical recovery boilers (black liquor boilers) with the additions and amendments specified in Annex A of this standard.

##### EVS-EN 12953-1:2002

Hind 139,00

Identne EN 12953-1:2002

##### **Shell boilers - Part 1: General**

General. This European Standard specifies design, construction, equipment, operational and water treatment requirements drawn up with a view to ensuring the operating safety of new stationary shell boiler plants. This European Standard includes the requirements for the prevention of over-heating and inadmissible overpressurisation.

##### EVS-EN 12953-2:2002

Hind 83,00

Identne EN 12953-2:2002

##### **Shell boilers - Part 2: Materials for pressure parts of boilers and accessories**

This European Standard covers the following materials for pressure parts of shell boilers subjected to internal and external pressure and their integral attachments: flat products; tubes; and forgings.

##### EVS-EN 12953-3:2002

Hind 259,00

Identne EN 12953-3:2002

##### **Shell boilers - Part 3: Design and calculation for pressure parts**

This Part of this European Standard specifies requirements for the design and calculation of pressure parts of shell boilers as defined in EN 12953-1.

##### EVS-EN 12953-4:2002

Hind 190,00

Identne EN 12953-4:2002

##### **Shell boilers - Part 4:**

##### **Workmanship and construction of pressure parts of the boiler**

This Part of this European Standard specifies requirements for the workmanship and construction of shell boilers as defined in EN 12953-1.

##### EVS-EN 12953-5:2002

Hind 126,00

Identne EN 12953-5:2002

##### **Shell boilers - Part 5: Inspection during construction, documentation and marking of pressure parts of the boiler**

This Part of the European Standard specifies requirements for the inspection during construction, documentation and marking of shell boilers as defined in EN 12953-1.

##### EVS-EN 12953-6:2002

Hind 170,00

Identne EN 12953-6:2002

##### **Shell boilers - Part 6:**

##### **Requirements for equipment for the boiler**

This Part of this European Standard specifies requirements for safety related equipment for shell boilers as defined in EN 12953-1, irrespective of the degree of supervisions.

##### EVS-EN 12953-7:2002

Hind 83,00

Identne EN 12953-7:2002

##### **Shell boilers - Part 7 :**

##### **Requirements for firing systems for liquid and gaseous fuels for the boilers**

This Part of this European Standard specifies requirements for firing systems for oil and gaseous fuels applicable to shell boilers, as defined in EN 12953-1, irrespective of the degree of supervision. For multifuel firing systems using separate or combined burners, these requirements apply to the oil and/or gas firing part involved.

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## 27.080

### Soojuspumbad

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#### Heat pumps

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54263

Tähtaeg: 2003-01-01

Identne prEN 14511-5:2002

##### **Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 5: Multisplit air conditioning and air to air heat pumps systems**

This part of EN 14511 covers the testing and performance of multisplit air conditioning and air to air heat pump systems. It specifies the terms, the definitions methods of testing and reporting for multisplit systems including heat recovery capacities, system reduced capacities, and the capacity of individual indoor units

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## 27.100

### Elektrijaamad üldiselt

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#### Power stations in general

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#### UUED STANDARDID

##### EVS-EN 12952-8:2002

Hind 146,00

Identne EN 12952-8:2002

##### **Water-tube boilers and auxiliary installations - Part 8:**

##### **Requirements for firing systems for liquid and gaseous fuels for the boiler**

This Part of this European Standard specifies requirements, for oil and gas firing systems of steam boilers and hot water generators as defined in EN 12952-1. These requirements also apply to firing systems of chemical recovery boilers (black liquor boilers) with the additions and amendments specified in Annex A of this standard.

##### EVS-EN 12953-1:2002

Hind 139,00

Identne EN 12953-1:2002

##### **Shell boilers - Part 1: General**

General. This European Standard specifies design, construction, equipment, operational and water treatment requirements drawn up with a view to ensuring the operating safety of new stationary shell boiler plants. This European Standard includes the requirements for the prevention of over-heating and inadmissible overpressurisation.

##### EVS-EN 12953-2:2002

Hind 83,00

Identne EN 12953-2:2002

##### **Shell boilers - Part 2: Materials for pressure parts of boilers and accessories**

This European Standard covers the following materials for pressure parts of shell boilers subjected to internal and external pressure and their integral attachments: flat products; tubes; and forgings.

**EVS-EN 12953-3:2002**

Hind 259,00

Identne EN 12953-3:2002

**Shell boilers - Part 3: Design and calculation for pressure parts**

This Part of this European Standard specifies requirements for the design and calculation of pressure parts of shell boilers as defined in EN 12953-1.

**EVS-EN 12953-4:2002**

Hind 190,00

Identne EN 12953-4:2002

**Shell boilers - Part 4: Workmanship and construction of pressure parts of the boiler**

This Part of this European Standard specifies requirements for the workmanship and construction of shell boilers as defined in EN 12953-1.

**EVS-EN 12953-5:2002**

Hind 126,00

Identne EN 12953-5:2002

**Shell boilers - Part 5: Inspection during construction, documentation and marking of pressure parts of the boiler**

This Part of the European Standard specifies requirements for the inspection during construction, documentation and marking of shell boilers as defined in EN 12953-1.

**EVS-EN 12953-6:2002**

Hind 170,00

Identne EN 12953-6:2002

**Shell boilers - Part 6: Requirements for equipment for the boiler**

This Part of this European Standard specifies requirements for safety related equipment for shell boilers as defined in EN 12953-1, irrespective of the degree of supervisions.

**EVS-EN 12953-7:2002**

Hind 83,00

Identne EN 12953-7:2002

**Shell boilers - Part 7: Requirements for firing systems for liquid and gaseous fuels for the boilers**

This Part of this European Standard specifies requirements for firing systems for oil and gaseous fuels applicable to shell boilers, as defined in EN 12953-1,

irrespective of the degree of supervision. For multifuel firing systems using separate or combined burners, these requirements apply to the oil and/or gas firing part involved.

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 27861

Tähtaeg: 2002-12-01

Identne IEC 60038:1983 +

A1:1994

ja identne HD 472 S1:1989 +

A1:1995

**Nominal voltages for low voltage public electricity supply systems**

This publication applies to: - a.c. transmission, distribution and utilization systems and equipment for use in such systems with standard frequencies 50 Hz and 60 Hz having a nominal voltage above 100 V; - a.c. and d.c. traction systems; - a.c. and d.c. equipment having nominal voltages below 120 V a.c. or below 750 V d.c.

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**27.160**

**Päikeseenergeetika**

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**Solar energy engineering**

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**UUED STANDARDID**

**EVS-EN 61277:2002**

Hind 190,00

Identne IEC 61277:1995

ja identne EN 61277:1998

**Terrestrial photovoltaic (PV) power generating systems - General and guide**

This International standard constitutes a guide and gives an overview of terrestrial PV power generating systems and the functional elements of such systems, as shown in figure 1. Systems and the functional elements of such systems, as described in this guide, should serve as an introduction to future IEC PV system standards under consideration. This standard contains: - an overview of major sub-systems - a functional description of major components and interfaces (figure 1) - a table with possible configurations which can be derived from the layout in figure 2.

**EVS-EN 61345:2002**

Hind 101,00

Identne IEC 61345:1998

ja identne EN 61345:1998

**UV test for photovoltaic (PV) modules**

The purpose of this test is to determine the resistance of the module to ultra-violet (UV) radiation. This test is useful for evaluating the UV resistance of materials such as polymers and protective coatings.

**EVS-EN 61427:2002**

Hind 163,00

Identne IEC 61427:1999

ja identne EN 61427:2001

**Secondary cells and batteries for solar photovoltaic energy systems - General requirements and methods of test**

Gives general information relating to the requirements of the secondary batteries used in photovoltaic (PV) solar systems and to the typical methods of test used for the verification of battery performances. This International Standard does not include specific information relating to battery sizing, method of charge or PV system design.

**EVS-EN 61646:2002**

Hind 259,00

Identne IEC 61646:1996

ja identne EN 61646:1997

**Thin-film terrestrial photovoltaic (PV) modules - Design qualification and type approval**

This International Standard lays down IEC requirements for the design qualification and type approval of terrestrial thin-film photovoltaic modules suitable for long-term operation in moderate open-air climates as defined in IEC 721-2-1. It is written with amorphous silicon technology in mind, but may also be applicable to other thin-film PV modules.

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**27.180**

**Tuulegeneraatorid jt alternatiivsed energiaallikad**

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**Wind turbine systems and other alternative sources of energy**

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**UUED STANDARDID**

**EVS-EN 61400-11:2002**

Hind 190,00

Identne IEC 61400-11:1998

ja identne EN 61400-11:1998

**Wind turbine generator systems - Part 11: Acoustic noise measurement techniques**

This standard describes procedures for the measurement of acoustic noise emitted by wind turbine generator systems of all types

**EVS-EN 61400-12:2002**

Hind 199,00

Identne IEC 61400-12:1998

ja identne EN 61400-12:1998

**Wind turbine generator systems - Part 12: Wind turbines power performance testing**

This international standard specifies a procedure for measuring the power performance characteristics of a wind turbine generator system (WTGS) and applies to the testing of WTGS of all types and sizes connected to the electrical power network. It is applicable for the determination of both the absolute power performance characteristics of a WTGS and of differences between the power performance characteristics of various WTGS configuration.

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**27.200**

**Külmutustehnika**

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**Refrigerating technology**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54263

Tähtaeg: 2003-01-01

Identne prEN 14511-5:2002

**Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 5: Multisplit air conditioning and air to air heat pumps systems**

This part of EN 14511 covers the testing and performance of multisplit air conditioning and air to air heat pump systems. It specifies the terms, the definitions methods of testing and reporting for multisplit systems including heat recovery capacities, system reduced capacities, and the capacity of individual indoor units

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**29.020**

**Elektrotehnika**

**üldküsimumed**

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**Electrical engineering in general**

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**UUED STANDARDID**

**EVS-EN 61355:2002**

Hind 283,00

Identne IEC 61355:1997

ja identne EN 61355:1997

**Classification and designation of documents for plants, systems and equipment**

This International Standard provides rules and guidelines for classification and designation of documents used for the preparation of documentation for plants, systems and equipment. It covers all technical areas and is open for further development of documentation and documentation systems. Guidance is also given for applications like communication about documentation and for document identification.

**EVS-EN 62023:2002**

Hind 179,00

Identne IEC 62023:2000

ja identne EN 62023:2000

**Structuring of technical information and documentation**

This international standard provides rules for the structuring of technical information and documentation, based on the use of a main document (leading document) for the keeping together of information for each object.

**EVS-EN 62027:2002**

Hind 212,00

Identne IEC 62027:2000

ja identne EN 62027:2000

**Preparation of parts lists**

This international standard provides rules for the preparation of parts lists. The standard is restricted to parts lists used in the design and engineering process intended to be supplied with the documentation to external parties such as end users and sub-suppliers.

**EVS-EN 62079:2002**

Hind 283,00

Identne IEC 62079:2001

ja identne EN 62079:2001

**Preparation of instructions - Structuring, content and presentation**

This International Standard provides general principles and detailed requirements on the design and formulation of all types of instructions that will be necessary or helpful for products of all kinds ranging from small, simple ones, such as a tin of paint, to large and highly complex ones, such as a large industrial installation.

**EVS-EN 50266-1:2002**

Hind 117,00

Identne EN 50266-1:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 1: Apparatus**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 61346-1:2002**

Hind 272,00

Identne IEC 61346-1:1996

ja identne EN 61346-1:1996

**Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules**

This part of ISO/IEC 1346 establishes general principles for describing the structure of information about systems and of the systems themselves. Based on these principles, rules and guidance are given for the formulation of unambiguous reference designations for objects in any system. The reference designation identifies objects for the purpose of correlating information about an object among different kinds of documents and the products implementing the system.

**EVS-EN 61346-2:2002**

Hind 199,00

Identne IEC 61346-2:2000

ja identne EN 61346-2:2000

**Industrial systems, installations and equipment and industrial products - Structuring principles and reference designation - Part 2: Classification of objects and codes for classes**

This part of IEC 61346 defines object classes and associated letter codes for these classes to be used in reference designations. The classification schemes are applicable for objects in all technical areas and may be applied at any position in a tree-like structure set up in accordance with IEC 61346-1.

**EVS-EN 61663-2:2002**

Hind 283,00

Identne IEC 61663-2:2001

ja identne EN 61663-2:2001

**Lightning protection -  
Telecommunication lines - Part  
2: Lines using metallic  
conductors**

The scope of this part of IEC 61663 is protection against lightning of outdoor telecommunication lines using metallic conductors ( e.g. access network, lines between buildings). Its object is to protect telecommunication lines and connected equipment against the direct and indirect influence of lightning by limiting the risk of damage due to overvoltages and overcurrents, liable to occur in these lines, to values which are lower than or equal to tolerable risk of damage.

**EVS-EN 50266-2-1:2002**

Hind 83,00

Identne EN 50266-2-1:2001

**Common test methods for  
cables under fire conditions -  
Test for vertical flame spread of  
vertically-mounted bunched  
wires or cables - Part 2-1:**

**Procedures; Category A F/R**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-2:2002**

Hind 92,00

Identne EN 50266-2-2:2001

**Common test methods for  
cables under fire conditions -  
Test for vertical flame spread of  
vertically-mounted bunched  
wires or cables - Part 2-2:**

**Procedures; Category A**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electric or optical, under defined conditions.

**EVS-EN 50266-2-3:2002**

Hind 92,00

Identne EN 50266-2-3:2001

**Common test methods for  
cables under fire conditions -  
Test for vertical flame spread of  
vertically-mounted bunched  
wires or cables - Part 2-3:**

**Procedures; Category B**

Specifies methods of test for the assessment of vertical flame spread of vertically- mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-4:2002**

Hind 92,00

Identne EN 50266-2-4:2001

**Common test methods for  
cables under fire conditions -  
Test for vertical flame spread of  
vertically-mounted bunched  
wires or cables - Part 2-4:**

**Procedures; Category C**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-5:2002**

Hind 83,00

Identne EN 50266-2-5:2001

**Common test methods for  
cables under fire conditions -  
Test for vertical flame spread of  
vertically-mounted bunched  
wires or cables - Part 2-5:**

**Procedures; Small cables;**

**Category D**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 61340-2-3:2002**

Hind 190,00

Identne IEC 61340-2-3:2000

ja identne EN 61340-2-3:2000

**Electrostatics - Part 2-3:  
Methods of test for determining  
the resistance and resistivity of  
solid planar materials used to  
avoid electrostatic charge  
accumulation**

Describes test methods for the determination of the electrical resistance and resistivity of solid materials in the range from 10K Ohm to 1T Ohm used to avoid electrostatic charge accumulation. It takes account of existing IEC/ISO standards and other published information, and gives recommendations and guidelines on the appropriate method.

**EVS-EN 61340-5-1:2002**

Hind 326,00

Identne IEC 61340-5-

1:1998+corr:1999

ja identne EN 61340-5-1:2001

**Electrostatics - Part 5-1:  
Protection of electronic devices  
from electrostatic phenomena;  
General requirements**

Specifies the general requirements for the protection of electrostatic discharge sensitive devices (ESDS) from electrostatic discharges and fields. It applies only to the manufacture and use of electronic devices. Gives information on how to design, use and control a protected area to ensure that

electrostatic sensitive devices, having a withstand threshold voltage of 100 V (human body model) or higher, can be handled with a minimum risk of damage resulting from electrostatic phenomena. Normal precautions given are applicable for areas with clean room types in excess of ISO 14644-1 class 5. Alternative precautions may be required in clean rooms of ISO 14644-1 class 5 or less if contamination is formed as a result of using the procedures specified in this technical report.

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 21272

Tähtaeg: 2002-12-01

Identne IEC 61082-

1:1991+A1:1995

ja identne EN 61082-

1:1993+A1:1995

**Preparation of documents used  
in electrotechnology - Part 1:  
General requirements**

This standard provides general rules and guidelines for the preparation of documents used in electrotechnology, and specific rules and guidelines for certain kinds of documentation.

prEVS 22469

Tähtaeg: 2002-12-01

Identne EN 50147-1:1996

**Anechoic chambers - Part 1:  
Shield attenuation measurement**

This standard applies to measurements of shielding attenuation of shielded enclosures (chambers, rooms) in the frequency range 9 kHz - 40 GHz. The object of this standard is to establish a common measurement procedure for validating the shielding effectiveness of a shielded enclosure.

prEVS 22474

Tähtaeg: 2002-12-01

Identne EN 50147-2:1996

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

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

prEVS 22756

Tähtaeg: 2002-12-01

Identne IEC 61000-4-5:1995+

A1:2000

ja identne EN 61000-4-5:1995+A1:2001

**Electromagnetic compatibility (EMC) - Part 4: Testing and measuring techniques -**

**Section 5: Surge immunity test**

This section of IEC 1000-4 relates to the immunity requirements, test methods, and range of recommended test levels for equipment to unidirectional surge caused by overvoltages from switching and lightning transients. Several test levels are defined which relate to different environment and installation conditions. These requirements are developed for and are applicable to electrical and electronic equipment.

prEVS 24343

Tähtaeg: 2002-12-01

Identne IEC 61000-2-4:1994 + Cor.:1994

ja identne EN 61000-2-4:1994

**Electromagnetic compatibility (EMC) - Part 2: Environment - Section 4: Compatibility levels in industrial plants for low-frequency conducted disturbances**

This section of IEC 1000-2 gives the requirements for the compatibility levels for industrial and non-public networks. These levels are relevant to disturbances that may occur in the electrical power supply in normal operating conditions. This standard applies to low-voltage and medium-voltage a.c. power supply at 50 Hz/60 Hz. Networks for ships aircraft, offshore platforms and railways are out of the scope of this standard.

prEVS 24792

Tähtaeg: 2002-12-01

Identne IEC 61000-4-6:1996+A1:2000

ja identne EN 61000-4-6:1996+A1:2001

**Electromagnetic Compatibility (EMC) - Part 4: Testing and measurement techniques -**

**Section 6: Immunity to conducted disturbances, induced by radio-frequency fields**

This section of International Standard IEC 1000-4 related to the conducted immunity requirements of electrical and electronic equipment to electromagnetic disturbances coming from intended radio-frequency (RF) transmitters in the frequency range 9 kHz up to 80 MHz. Equipment not having at least one conducting

cable (such as mains supply, signal line or earth connection), which can couple the equipment to the disturbing RF fields is excluded.

prEVS 30544

Tähtaeg: 2002-12-01

Identne EN 50102:1995+A1:1998

**Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)**

This standard refers to the classification of the degrees of protection provided by enclosures against external mechanical impacts when the rated voltage of the protected equipment is not greater than 72,5 kV. This standard is only applicable to enclosures of equipment where the specific standard establishes degrees of protection of the enclosure against mechanical impacts (expressed in this standard as impacts).

prEVS 33161

Tähtaeg: 2002-12-01

Identne EN 50091-1-2:1998

**Uninterruptible power systems (UPS) - Part 1-2: General and safety requirements for UPS used in restricted access locations**

This Standard applies to electronic indirect a.c. convertor systems with an electrical energy storage device in the d.c. link. The primary function of the uninterruptible power system (UPS) covered by this Standard is to ensure continuity of an alternating power source. The uninterruptible power system may also serve to improve the quality of the power source by keeping it within specified characteristics.

prEVS 33711

Tähtaeg: 2002-12-01

Identne IEC 60707:1999

ja identne EN 60707:1999

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

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

development of materials and a relative comparison and classification of various materials.

prEVS 37120

Tähtaeg: 2002-12-01

Identne IEC 60059:1999

ja identne EN 60059:1999

**IEC standard current ratings**

This standard specifies standard current ratings for electrical devices, apparatus, instruments and equipment and should be applied to designing of utilisation systems or equipment as well as to operating characteristics.

prEVS 54023

Tähtaeg: 2002-12-01

Identne IEC 61025:1990

ja identne HD 617 S1:1992

**Fault tree analysis (FTA)**

Defines basic principles, provides the steps necessary to perform an analysis, identifies appropriate assumptions, events and failure modes, and provides identification rules and symbols.

prEVS 54030

Tähtaeg: 2002-12-01

Identne EN 50160:1999

**Elektrijaotusvõrkude pingetunnussuurused**

This standard gives the main characteristics of the voltage at the customer's supply-terminals in public low voltage and medium-voltage electricity distribution systems under normal operating conditions.

prEVS 54176

Tähtaeg: 2002-12-01

Identne CISPR 20:2002

ja identne EN 55020:2002

**Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement**

This standard for immunity requirements applies to television broadcast receivers, sound broadcast receivers and associated equipment intended for use in the residential, commercial and light industrial environment. Immunity requirements are given in the frequency range 0 Hz to 400 GHz. Radio-frequency tests outside the specified frequency bands or concerning other phenomena than given in this standard are not required.

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29.030

**Magnetmaterjalid**

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**Magnetic materials**

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**UUED STANDARDID**

**EVS-EN 61332:2002**

Hind 109,00

Identne IEC 61332:1995

ja identne EN 61332:1997

**Soft ferrite material classification**

Specifies classification rules of soft ferrite materials used in inductive components (inductors and transformers).

**EVS-EN 61609:2002**

Hind 101,00

Identne IEC 61609:1996

ja identne EN 61609:1999

**Microwave ferrite components - Guide for the drafting of specifications**

This International Standard gives guidance for uniform rules for the drafting of specifications for microwave ferrite components. Microwave ferrite components in this guide are restricted to transmission line components such as circulator, isolator, phase-shifter, switch and filter. Less common components such as attenuators and limiters are not specifically described, but many of the properties considered may apply to them.

**EVS-EN 62044-3:2002**

Hind 229,00

Identne IEC 62044-3:2000

ja identne EN 62044-3:2001

**Cores made of soft magnetic materials - Measuring methods - Part 3: Magnetic properties at high excitation level**

To provide the measuring methods of the power loss and amplitude permeability of magnetic cores forming the closed magnetic circuits intended for use at high excitation levels in inductors, chokes, transformers and similar devices for power electronics applications.

**KAVANDITE**

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prEVS 22635

Tähtaeg: 2002-12-01

Identne IEC 60404-4:1995+

A1:2000

ja identne EN 60404-4:1997+

A1:2002

**Magnetic materials - Part 4: Methods of measurement of d.c. magnetic properties of iron and steel**

This part of IEC 404 specifies the methods of measuring the d.c. magnetic properties of iron and steel in a closed magnetic circuit using either the ring or the permeameter methods.

prEVS 27450

Tähtaeg: 2002-12-01

Identne IEC 60404-2:1996

ja identne EN 60404-2:1998

**Magnetic materials - Part 2: Methods of measurement of the magnetic properties of electrical steel sheet and strip by means of an Epstein frame**

This part of IEC 404 is applicable to grain oriented and non-oriented electrical sheet and strip for a.c. measurements of magnetic properties at frequencies up to 400 Hz and for d.c. magnetic measurements. The object of this part is to define the general principles and the technical details of the measurement of the magnetic properties of electrical sheet and strip by means of an Epstein frame. The Epstein frame is applicable to test specimens obtained from electrical sheets and strips of any grade.

prEVS 33715

Tähtaeg: 2002-12-01

Identne IEC 60424-2:1997

ja identne EN 60424-2:1997

**Guidance of the limits of surface irregularities of ferrite cores - Part 2: RM-cores**

This part of IEC 60424 gives a guidance on allowable limits of surface irregularities applicable to RM-cores in accordance with the relevant generic specification. This standard should be considered as a sectional specification useful in the dialogue between ferrite core manufacturers and customers about surface irregularities.

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29.035.01

**Isolatsioonimaterjalid üldiselt**

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**Insulating materials in general**

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**UUED STANDARDID**

**EVS-EN 61621:2002**

Hind 155,00

Identne IEC 61621:1997

ja identne EN 61621:1997

**Dry, solid insulating materials - Resistance test to high-voltage, low-current arc dischargers**

This International Standard describes a test method which can provide preliminary differentiation between similar insulating materials, with respect to their resistance to damage when exposed to high-voltage, low-current arc discharges, occurring close to their surfaces. The discharges cause localized thermal and chemical decomposition and erosion and eventually a conductive path forms across the insulating material. The severity of the test conditions is gradually increased: in the early stages a low-current arc discharge is repeatedly interrupted, whereas in the later stages, the arc current is raised in successive steps.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 22786

Tähtaeg: 2002-12-01

Identne IEC 61006:1991

ja identne EN 61006:1993

**Methods of test for the determination of the glass transition temperature of electrical insulating materials**

These methods are applicable to amorphous materials or to partially crystalline materials containing amorphous regions which are stable and do not undergo decomposition or sublimation in the glass transition region.

prEVS 26948

Tähtaeg: 2002-12-01

Identne IEC 61234-2:1997

ja identne EN 61234-2:1998

**Electrical insulating materials - Method of test for the hydrolytic stability - Part 2: Moulded thermosets**

This part of IEC 61234 describes the test method for the determination of the hydrolytic stability of moulded thermosets made of room temperature or oven-curing reaction resins when subjected to the simultaneous influence of water and high temperature. With this test method, the irreversible change of mechanical and electrical properties is measured, but no mechanical stress is imposed on the test specimens.

prEVS 54081

Tähtaeg: 2002-12-01

Identne IEC 60343:1991

ja identne EN 60343:1992



**Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges**

Assesses the relative resistance of solid insulating materials to breakdown when exposed to partial surface discharges at stresses and frequencies used in industrial service.

prEVS 54276

Tähtaeg: 2002-12-01

Identne IEC 60085:1984

ja identne HD 566 S1:1990

**Thermal evaluation and classification of electrical insulation**

Describes recognized thermal classes for the insulation of electrotechnical products.

Considers the thermal evaluation of insulation materials and systems, their interrelationship and the influence of service conditions.

Defines the responsibility for assigning thermal identification and classification.

prEVS 54278

Tähtaeg: 2002-12-01

Identne IEC 60167:1964

ja identne HD 568 S1:1990

**Methods of test for the determination of the insulation resistance of solid insulating materials**

Describes procedures for rapidly determining the values of the insulation resistance of solid insulating materials in order to give a general indication of quality when great accuracy is not required.

prEVS 54329

Tähtaeg: 2002-12-01

Identne IEC 60216-2:1990

ja identne HD 611.2 S1:1992

**Guide for the determination of thermal endurance properties of electrical insulating materials; Part 2: Choice of test criteria**

Includes a list of existing published procedures which is not exhaustive.

prEVS 54330

Tähtaeg: 2002-12-01

Identne IEC 60216-4-1:1990

ja identne HD 611.4.1 S1:1992

**Guide for the determination of thermal endurance properties of electrical insulating materials; Part 4: Ageing ovens; Section 1: Single-chamber ovens**

Covers minimum requirements for ventilated and electrically heated single-chamber ovens, with or without forced air circulation and operating over the temperature range from 20°C above ambient to 500°C used for thermal endurance evaluation of electrical insulation.

Gives acceptance tests and in-service monitoring tests for ageing ovens. IEC 60216-4-1 (1990)

supersedes the second edition of IEC 60216-4 (1980).

prEVS 54331

Tähtaeg: 2002-12-01

Identne IEC 60216-5:1990

ja identne HD 611.5 S1:1992

**Guide for the determination of thermal endurance properties of electrical insulating materials; Part 5: Guidelines for the application of thermal endurance characteristics**

Gives guidelines for assessing the suitability of electrical insulating materials and simple combinations thereof in specific insulation designs when thermal endurance is the principal concern. Technical report

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**29.035.10**

**Paberist ja kartongist isolatsioonimaterjalid**

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**Paper and board insulating materials**

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**UUED STANDARDID**

**EVS-EN 61628-1:2002**

Hind 101,00

Identne IEC 61628-1:1997

ja identne EN 61628-1:1997

**Corrugated pressboard and presspaper for electrical purposes - Part 1: Definitions, designations and general requirements**

This part of the international standard contains the definitions, designations and general requirements of corrugated pressboard and presspaper for electrical purposes. Materials which conform to this International Standard meet established levels of performance. However, the selection of a material for a specific application should be based on the actual requirements necessary for the adequate performance in that application and not based on this specification alone.

**EVS-EN 61628-2:2002**

Hind 155,00

Identne IEC 61628-2:1998

ja identne EN 61628-2:1999

**Corrugated pressboard and presspaper for electrical purposes - Part 2: Methods of test**

This part 2 of the international standard gives methods of test applicable for the materials classified in IEC 61628-1.

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**29.035.20**

**Plastikust ja kummist isolatsioonimaterjalid**

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**Plastics and rubber insulating materials**

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**UUED STANDARDID**

**EVS-EN 50290-2-21:2002**

Hind 66,00

Identne EN 50290-2-21:2001

**Communication cables - Part 2-21: Common design rules and construction; PVC insulation compounds**

This Part 2-21 of EN 50290 gives specific requirements for PVC insulation compounds used for communication cables. It is to be read in conjunction with Part 2-20 of EN 50290.

**EVS-EN 50290-2-22:2002**

Hind 66,00

Identne EN 50290-2-22:2001

**Communication cables - Part 2-22: Common design rules and construction; PVC sheathing compounds**

This Part 2-22 of EN 50290 gives specific requirements for PVC sheathing compounds used for communication cables. It is to be read in conjunction with Part 2-20 of EN 50290.

**EVS-EN 50290-2-23:2002**

Hind 75,00

Identne EN 50290-2-23:2001

**Communication cables - Part 2-23: Common design rules and construction; PE insulation**

This Part 2-23 of EN 50290 gives specific requirements for PE insulated compounds used for communication cables. It is to be read in conjunction with Part 2-20 of EN 50290.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 36966

Tähtaeg: 2002-12-01

Identne IEC 61234-1:1994

ja identne EN 61234-1:1994

**Method of test for the hydrolytic stability of electrical insulating materials - Part 1: Plastic films**

This part of IEC 61234 describes the test method for the determination of the hydrolytic stability of plastic films subjected to the simultaneous influence of water and high temperature. With this test method, the irreversible changes of the mechanical and electrical properties are measured. The test method is applicable to films up to 250 micro m thick. Although this method was developed for electrically insulating plastic films, as specified, for example, in the series of IEC 60674, it may be appropriate for other types of plastic films.

prEVS 38480

Tähtaeg: 2002-12-01

Identne IEC 60963:1988

ja identne HD 582 S1:1991

**Specification for unused polybutenes**

This standard covers specifications and test methods for unused polybutenes, as delivered, intended for use as insulating liquids in electrical equipment. The requirements given in Sheet 1 are only applicable to unused polybutenes used as an impregnant for paper insulated capacitors and cables and as a filling medium for pipe type cables. NOTE: Polybutenes may be used in transformers, but nowadays this application is not wide enough to justify the development of international specifications. Action could be taken when needed.

prEVS 54311

Tähtaeg: 2002-12-01

Identne IEC 60455-3-11:1988

ja identne HD 307.3.11 S1:1990

**Specification for solventless polymerisable resinous compounds used for electrical insulation; Part 3: Specifications for individual materials; Sheet 11: Epoxy resin-based coating powders**

Contains the general and special requirements for thermosetting epoxy resin-based coating powders.

prEVS 54373

Tähtaeg: 2002-12-01

Identne IEC 60684-3-343 to 345:2002

ja identne EN 60684-3-343 to 345:2002

**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 343 to 345: Expandable braided ethylene chlorotrifluoroethylene (E-CTFE) textile sleeving, uncoated**

Gives the requirements for sleeving having the property of expanding its internal diameter when compressed longitudinally and thereafter returning to its initial diameter after release of the compressing force. This expandable braided textile sleeving, un

prEVS 54374

Tähtaeg: 2002-12-01

Identne IEC 60684-3-340 to 342:1992

ja identne EN 60684-3-340 to 342:1994

**Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheets 340 to 342: Expandable braided polyethylene terephthalate textile sleeving**

Gives the requirements for sleeving having the property of expanding its bore diameter when compressed longitudinally and thereafter returning to its initial diameter after release of the compressing force. Sleeving of this type is constructed of polyethylene terephthalate monofilament and is generally available in bore sizes from 6 mm to 63 mm.

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**29.035.40**

**Isoleerivad õlid**

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**Insulating oils**

**UUED STANDARDID**

EVS-EN 61619:2002

Hind 229,00

Identne IEC 61619:1997

ja identne EN 61619:1997

**Insulating liquids - Contamination by polychlorinated biphenyls (PCBs) - Methods of determination by capillary column gas chromatography**  
This International Standard specifies a method for the determination of polychlorinated biphenyl (PCB) concentration in non-halogenated insulating liquids by high-resolution capillary column gas chromatography using an electron capture detector (ECD).

EVS-EN 61868:2002

Hind 139,00

Identne IEC 61868:1998

ja identne EN 61868:1999

**Mineral insulating oils - Determination of kinematic viscosity at very low temperatures**

This International Standard specifies a procedure for the determination of the kinematic viscosity of mineral insulating oils, both transparent and opaque, at very low temperatures, after a cold soaking period of at least 20 h, by measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer. It is applicable at all temperatures to both Newtonian and non-Newtonian liquids having viscosities of up to 20 000 mm<sup>2</sup>/s. It is particularly suitable for the measurement of the kinematic viscosity of liquids for use in cold climates, at very low temperatures (-40 degrees Celcius) or at temperatures between the cloud and pour-point temperatures (typically -20 degrees Celcius) where some liquids may develop unexpectedly high viscosities under cold soak conditions.

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**29.035.50**

**Vilgul põhinevad materjalid**

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**Mica based materials**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 29402

Tähtaeg: 2002-12-01

Identne IEC 60371-

2:1987+A1:1994

ja identne EN 60371-2:1997

**Specification for insulating materials based on mica - Part 2: Methods of test**

Defines the methods of test which are applicable to built-up mica materials, products based on them and mica paper. Tests are carried out at ambient temperature (15°C to 35°C), unless a test temperature is specified either in the method or in the specification for individual materials.

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**29.035.60****Lakitud kangad**

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**Varnished fabrics**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54279

Tähtaeg: 2002-12-01

Identne IEC 60370:1971

ja identne HD 570 S1:1990

**Test procedure for thermal endurance of insulating varnishes; Electric strength method**

Gives a method for determining the relative thermal endurance of electrical insulating varnishes by means of coating on glass cloth and measuring electric strength before and after heat ageing for establishing temperature indices to assist in determining suitability of electrical insulating varnishes for use in electrical systems.

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**29.040.01****Isoleerivad vedelikud üldiselt**

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**Insulating fluids in general**

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**UUED STANDARDID****EVS-EN 61620:2002**

Hind 199,00

Identne IEC 61620:1998

ja identne EN 61620:1999

**Insulating liquids -****Determination of the dielectric dissipation factor by measurement of the conductance and capacitance - Test method**

This International Standard describes a method for the simultaneous measurement of conductance (G) and capacitance (C) enabling the calculation of the dielectric dissipation factor (tan delta) of insulating liquids. The proposed method applies both to unused insulating liquids and insulating liquids in service in transformers and in other electrical equipment. The standard is no substitute for IEC 60247; rather it complements it insofar as it is particularly suited to highly insulating liquids and it recommends a method of measurement for these liquids. This method allows values of the dielectric dissipation factor as low as 0,0000001(10<sup>-6</sup>) at power frequency to be determined with

certainty. Moreover, the range of measurements of (tan delta) lies between 0,0000001 (10<sup>-6</sup>) and 1 and can be extended up to 200 in particular conditions.

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**29.040.10****Isoleerivad õlid**

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**Insulating oils**

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**UUED STANDARDID****EVS-EN 61333:2002**

Hind 101,00

Identne IEC 61333:1996

ja identne EN 61333:1998

**Marking on U and E ferrite cores**

This International Standard specifies marking locations and a coding system of marking, especially for U and E shape ferrite cores. An alphanumeric marking printed or attached to cores reduces the risk of incorrect assembly, mixing of materials and/or mixing of gapped cores on an assembly line. The markings of the AL value or of the gap length are especially important to avoid this kind of problem and their coding system is specified in this standard.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 33855

Tähtaeg: 2002-12-01

Identne IEC 60599:1999

ja identne EN 60599:1999

**Mineral oil-impregnated electrical equipment in service - Guide to the interpretation of dissolved and free gases analysis**

This International Standard is a guide describing how the concentrations of dissolved gases or free gases may be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggest future action. This guide is applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes (see annex A). The Guide may be applied only with caution to other liquid-solid insulating systems. In

any case, the indications obtained should be viewed only as guidance and any resulting action should be undertaken only with proper engineering judgement.

prEVS 38476

Tähtaeg: 2002-12-01

Identne IEC 61039:1990

ja identne HD 618 S1:1992

**General classification of insulating liquids**

This International Standard defines the detailed classification of family N (insulating liquids) which belongs to class L (lubricants, industrial oils and related products) in accordance with ISO 8681 and ISO 6743-0.

prEVS 38481

Tähtaeg: 2002-12-01

Identne IEC 60836:1988

ja identne HD 565 S1:1993

**Specifications for silicone liquids for electrical purposes**

This standard deals with silicone liquids to be used as insulating liquids in transformers and other electrical equipment. It comprises three sections as follows: - Section One describes the silicone liquids and gives general guidance on their properties, safety, storage and disposal. It also gives requirements for packaging, labeling and sampling. - Section Two describes the test methods that shall be employed to test the properties of silicone liquids. - Section Three specifies the required characteristics of a liquid polydimethylsiloxane primarily intended for use in transformers.

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**29.040.20****Isoleerivad gaasid**

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**Insulating gases**

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**UUED STANDARDID****EVS-EN 50353:2002**

Hind 109,00

Identne EN 50353:2001

**Insulating oil - Determination of fibre contamination by the counting method using a microscope**

This European Standard specifies two methods for determining the fibre contamination of mineral insulating oil used in electrotechnical equipment, based on filtering a sample of oil and examining and counting the number of fibres on the surface of the filter using an optical microscope. Fibres down to 100

µm in length can be sized and counted by these methods. The methods are applicable both to unused oils and to oils in service.

**EVS-EN 61629-1:2002**

Hind 92,00

Identne IEC 61629-1:1996

ja identne EN 61629-1:1996

**Aramid pressboard for electrical purposes - Part 1: Definitions, designations and general requirements**

This part of IEC 1629 contains the definitions, designations and general requirements of aramid pressboard for electrical purposes. Materials which conform to this specification meet established levels of performance. However, the selection of a material for a specific application should be based on the actual requirements necessary for the adequate performance in that application and not based on this specification alone.

**EVS-EN 61629-2:2002**

Hind 75,00

Identne IEC 61629-2:1996

ja identne EN 61629-2:1996

**Aramid pressboard for electrical purposes - Part 2: Methods of test**

This part of IEC 1629 gives the methods of test applicable for the materials classified in IEC 1629-1.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 27101

Tähtaeg: 2002-12-01

Identne IEC 60544-1:1994

ja identne EN 60544-1:1994

**Electrical insulating materials - Determination of the effects of ionizing radiation - Part 1: Radiation interaction and dosimetry**

This part of IEC 544 deals broadly with the aspects to be considered in evaluating the effects of ionizing radiation on all types of organic insulating materials. It also provides, for X-rays, γ-rays, and electrons, a guide to dosimetry terminology, methods of determining exposure and absorbed dose, and methods of calculating absorbed dose.

prEVS 54312

Tähtaeg: 2002-12-01

Identne IEC 60455-3-

2:1987+A1:1994

ja identne HD 307.3.2 S2:1997

**Specification for solventless polymerisable resinous compounds used for electrical insulation - Part 3:**

**Specifications for individual materials - Sheet 2: Quartz filled epoxy resinous compounds**

Contains the requirements for quartz filled epoxy resinous compounds in the cured form.

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**29.060.10**

**Elektrijuhid**

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**Wires**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 21483

Tähtaeg: 2002-12-01

Identne EN 50189:2000

**Conductors for overhead lines - Zinc coated steel wires**

This standard applies to round zinc-coated steel wires used in the construction and/or reinforcement of conductors for overhead power transmission purposes. It is intended to cover all wires used in constructions where the individual wire diameters, including coating, are in the range of 1.25 mm to 5.50mm. Nine grades of steel are included to reflect the needs of conductor users. Five classes of coating represented by minimum zinc mass per unit area are

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**29.060.20**

**Kaablid**

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**Cables**

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**UUED STANDARDID**

**EVS-EN 50334:2002**

Hind 66,00

Identne EN 50334:2001

**Marking by inscription for the identification of cores of electric cables**

This European Standard specifies requirements to be met when the identification of individual cores in a cable is by inscription of numbers on to the extruded insulation of each core. The requirements apply only when called up by the particular cable standard.

**EVS-EN 50266-1:2002**

Hind 117,00

Identne EN 50266-1:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 1:**

**Apparatus**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-1:2002**

Hind 83,00

Identne EN 50266-2-1:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-1:**

**Procedures; Category A F/R**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-2:2002**

Hind 92,00

Identne EN 50266-2-2:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-2:**

**Procedures; Category A**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electric or optical, under defined conditions.

**EVS-EN 50266-2-3:2002**

Hind 92,00

Identne EN 50266-2-3:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-3:**

**Procedures; Category B**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-4:2002**

Hind 92,00

Identne EN 50266-2-4:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-4:**

**Procedures; Category C**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-EN 50266-2-5:2002**

Hind 83,00

Identne EN 50266-2-5:2001

**Common test methods for cables under fire conditions - Test for vertical flame spread of vertically-mounted bunched wires or cables - Part 2-5: Procedures; Small cables; Category D**

Specifies methods of test for the assessment of vertical flame spread of vertically-mounted bunched wires or cables, electrical or optical, under defined conditions.

**EVS-HD 605 S1:2001/A2:2002**

Hind 117,00

Identne HD 605 S1:1994/A2:2001

**Electrical cables - Additional test methods**

This HD collates and specifies the test methods to be used for testing polymeric insulated and sheathed electric cables, of rated voltage up to and including 0,6/1kV, intended for public distribution systems, and for use in power generating plants and sub-stations. Test methods in this HD are additional to those already harmonised, e.g. HD 405 and HD 505, and are used for testing cable types specified in HD 603 and 604. In each case specific, these HDs give complementary information needed for the practical application to each specific type.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 27468

Tähtaeg: 2002-12-01

Identne EN 50200:2000

**Method of test for resistance to fire of unprotected small cables for use in emergency circuits**

This European standard specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes. This standard is applicable to cables for emergency circuits of rated voltage not exceeding 600/1000V, including those of rated voltage below 80V and for emergency circuit optical fibre cables.

prEVS 54241

Tähtaeg: 2002-12-01

Identne HD 21.10 S2:2001

**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 10: Extensible leads**

This part (Part 10) of the HD details the particular specifications for polyvinyl chloride insulated extensible leads. All cables shall comply with the appropriate requirements given in Part 1 and the individual types of cable shall each comply with the particular requirements of this part.

prEVS 54242

Tähtaeg: 2002-12-01

Identne HD 359 S2:1990

**Flat polyvinylchloride sheathed lift cables**

The requirements of this HD apply to flat PVC insulated and PVC sheathed flexible cables of rated voltages U/U up to and including 450/750 V, used for lifts and similar applications.

prEVS 54244

Tähtaeg: 2002-12-01

Identne HD 21.11

S1:1995/A1:2001

**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 11: Cables for luminaires**

This Part 11 of the HD details the particular requirements for PVC insulated cables of rated voltages up to U/U 300/300V for use indoors as internal wiring or direct supply connection to luminaires.

prEVS 54245

Tähtaeg: 2002-12-01

Identne HD 21.13

S1:1995/A1:2001

**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 13: Oil resistant PVC sheathed cables with two or more conductors**

This part (part 13) of the HD details the particular specifications for oil resistant polyvinyl chloride insulated and sheathed flexible cables, of rated voltage up to and including 300/500V, for a maximum conductor temperature in normal operation of 70°C.

prEVS 54247

Tähtaeg: 2002-12-01

Identne HD 21.12

S1:1994/A1:2001

**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 12: Heat-resistant flexible cables (cords)**

This part (Part 12) of the HD details the particular specifications for heat-resistant polyvinyl chloride insulated and sheathed flexible cables (cords) of rated voltage up to and including 300/500V, for a rated conductor temperature not exceeding 90°C.

prEVS 54305

Tähtaeg: 2002-12-01

Identne HD 22.6

S2:1995+A1:1999

**Rubber insulated cables of rated voltages up to and including 450/750 V - Part 6: Arc welding cables**

This part (Part 6) of the HD details the particular specifications for arc welding cables of rated voltage 100/100V for connections between the industrial welding power source and the electrode holder and the work piece.

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**29.080.00**

**Isolatsioon**

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**Insulation. General**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 24902

Tähtaeg: 2002-12-01

Identne EN 50209:1998

**Test of insulation of bars and coils of high-voltage machines**

This specification applies to rotating electrical machines with rated voltages from 5 kV to 24 kV inclusive and with rated output from 5 MVA upwards for generators and from 5 MW upwards for motors. Requirements for machines with rated voltage above 24 kV should remain the subject of individual agreement. This specification is also applicable to machines with rated outputs between 1 MVA (1 MW) and 5 MVA (5 MW) and with rated voltages of 5 kV and above, provided its use has been agreed beforehand.

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**29.080.01**

**Elektriisolatsioon üldiselt**

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**Electrical insulation in general**

**UUED STANDARDID**

**EVS-EN 61857-1:2002**

Hind 170,00

Identne IEC 61857-1:1998

ja identne EN 61857-1:1999  
**Electrical insulation systems - Procedures for thermal evaluation - Part 1: General requirements - Low-voltage**  
This part of IEC 61857 specifies a general test procedure for the thermal evaluation and qualification of electrical insulation systems (EIS) and establishes a procedure that compares the performance of a candidate EIS to that of a reference EIS. This International Standard is applicable to existing or proposed electrical insulation systems (EISs) used in electrotechnical products with an input voltage up to 1000 V where the thermal factor is the dominating ageing factor.

**EVS-EN 61857-21:2002**

Hind 130,00

Identne IEC 61857-21:1998

ja identne EN 61857-21:1999

**Electrical insulation systems - Procedures for thermal evaluation - Part 21: Specific requirements for general-purpose model - Wire-wound applications**

This general purpose model (GPM) can be used for the evaluation of wire-wound EIS where specific electrotechnical products are not available or required.

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## 29.080.10

### Isolaatorid

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#### Insulators

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### UUED STANDARDID

**EVS-EN 61466-1:2002**

Hind 199,00

Identne IEC 61466-1:1997

ja identne EN 61466-1:1997

**Composite string insulator units for overhead lines with a nominal voltage greater than 1 kV - Part 1: Standard strength classes and end fittings**

This part of IEC 1466 is applicable to composite string insulator units for a.c. overhead lines with a nominal voltage greater than 1000 V and a frequency not greater than 100 Hz. It also applies to insulators of similar design used in sub-stations or on electric traction lines.

**EVS-EN 61466-2:2002**

Hind 139,00

Identne IEC 61466-

2:1998+A1:2002

ja identne EN 61466-

2:1998+A1:2002

**Composite string insulator units for overhead lines with a nominal voltage greater than 1 kV - Part 2: Dimensional and electrical characteristics**

This part of IEC 61466 is applicable to composite string insulators with a specified mechanical load (SML) of 40 kN and 70 kN for a.c. overhead distribution lines with a nominal voltage greater than 1000 V and a frequency not greater than 100 Hz.

### KAVANDITE

### ARVAMUSKÜSITLUS

prEVS 28828

Tähtaeg: 2002-12-01

Identne IEC 60383-1:1993

ja identne EN 60383-

1:1996+A11:1999

**Insulators for overhead lines with a nominal voltage above 1 kV - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria**

This part of IEC 383 applies to insulators of ceramic material or glass for use on a.c. overhead power lines and overhead traction lines with a nominal voltage greater than 1000 V and a frequency not greater than 100 Hz.

prEVS 31593

Tähtaeg: 2002-12-01

Identne IEC 60433:1998

ja identne EN 60433:1998

**Insulators for overhead lines with a nominal voltage above 1 kV - Ceramic insulators for a.c. systems - Characteristics of insulator units of the long rod type**

This International Standard is applicable to string insulator units of the long rod type with insulating parts of ceramic material intended for use in a.c. overhead power lines with a nominal voltage greater than 1000 V and a frequency not greater than 100 Hz. It is also applicable to insulators of similar design, used in sub-stations.

prEVS 54060

Tähtaeg: 2002-12-01

Identne EN 50089:1992+A1:1994

**Cast resin partitions for metal enclosed gas-filled high voltage switchgear and controlgear**

This standard applies to cast resin partitions pressurized with inert gasses, for example sulphur hexafluoride or a mixture of gases such as sulphur hexafluoride and nitrogen used in indoor or outdoor installations of highvoltage switchgear and controlgear, where the gas is used principally for its dielectric and/or arc-quenching properties, with rated voltages.  
prEVS 54285

Tähtaeg: 2002-12-01

Identne IEC 60273:1990

ja identne HD 578 S1:1992

**Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1000 V**

Applies to post insulators and post insulator units of ceramic material or glass intended for indoor or outdoor service, and to post insulators of organic material intended for indoor service in electrical installations or equipment operating on alternating current systems with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. It may also be regarded as a provisional standard for insulators for use on direct current systems.

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## 29.080.30

### Isolatsioonisüsteemid

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#### Insulation systems

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### UUED STANDARDID

**EVS-EN 61858:2002**

Hind 146,00

Identne IEC 61858:1999

ja identne EN 61858:2000

**Electrical insulation systems - Thermal evaluation of modifications to an established wire-wound EIS**

This standard lists the required test procedures for the thermal evaluation and qualification of changes to an established Electrical Insulation System (EIS) for use in electrotechnical products with input voltage up to 1000 V. The test procedures are comparative in that the performance of a Candidate EIS is compared to that of a Reference EIS, which has proven service experience per IEC 60791 or has been evaluated by one of the procedures given in IEC 61857.

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## 29.100.10

### Magnetosad

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#### Magnetic components

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#### UUED STANDARDID

##### EVS-EN 61333:2002

Hind 101,00

Identne IEC 61333:1996

ja identne EN 61333:1998

##### Marking on U and E ferrite cores

This International Standard specifies marking locations and a coding system of marking, especially for U and E shape ferrite cores. An alphanumerical marking printed or attached to cores reduces the risk of incorrect assembly, mixing of materials and/or mixing of gapped cores on an assembly line. The markings of the AL value or of the gap length are especially important to avoid this kind of problem and their coding system is specified in this standard.

##### EVS-EN 61596:2002

Hind 146,00

Identne IEC 61596:1995

ja identne EN 61596:1997

##### Magnetic oxide EP-cores and associated parts for use in inductors and transformers - Dimensions

This International Standard specifies the dimensions that are of importance for mechanical interchangeability of a preferred range of EP-cores made of magnetic oxides, the dimensional limits for coil formers to be used with these cores and the locations of their terminal pins on a 2,50 mm printed wiring grid in relation to the base outlines of the cores, and the effective parameter values to be used in calculations involving them.

##### EVS-EN 61609:2002

Hind 101,00

Identne IEC 61609:1996

ja identne EN 61609:1999

##### Microwave ferrite components - Guide for the drafting of specifications

This International Standard gives guidance for uniform rules for the drafting of specifications for microwave ferrite components. Microwave ferrite components in this guide are restricted to transmission line components such as circulator, isolator, phase-shifter, switch and filter. Less common

components such as attenuators and limiters are not specifically described, but many of the properties considered may apply to them.

##### EVS-EN 61631:2002

Hind 146,00

Identne IEC 61631:2001

ja identne EN 61631:2001

##### Test method for the mechanical strength of cores made of magnetic oxides

Specifies a test method for the mechanical strength of cores made of magnetic oxides. This test method is suitable for most of the E-cores, ETD-cores and I-cores but other core types such as U-cores could be tested according to a derived method agreed by the parties concerned.

##### EVS-EN 61843:2002

Hind 109,00

Identne IEC 61843:1997

ja identne EN 61843:1997

##### Measuring method for the level of intermodulation products generated in a gyromagnetic device

This International Standard describes the measuring method for the level of intermodulation products generated in a gyromagnetic device.

##### EVS-EN 62044-3:2002

Hind 229,00

Identne IEC 62044-3:2000

ja identne EN 62044-3:2001

##### Cores made of soft magnetic materials - Measuring methods - Part 3: Magnetic properties at high excitation level

To provide the measuring methods of the power loss and amplitude permeability of magnetic cores forming the closed magnetic circuits intended for use at high excitation levels in inductors, chokes, transformers and similar devices for power electronics applications.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 30290

Tähtaeg: 2002-12-01

Identne IEC 61021-2:1995

ja identne EN 61021-2:1997

##### Laminated core packages for transformers and inductors for use in telecommunication and electronic equipment - Part 2: Electrical characteristics for cores using YEE 2 laminations

Specifies the electrical characteristics of laminated core packages using YEE 2 laminations according to IEC 740. It also gives the marking and packaging requirements

prEVS 30292

Tähtaeg: 2002-12-01

Identne IEC 61021-1:1990

ja identne EN 61021-1:1997

##### Laminated core packages for transformers and inductors used in telecommunication and electronic equipment - Part 1: Dimensions

This part of the standard specifies the dimensions, with their associated tolerances, of a range of laminated core packages using YEE 2 laminations, both in their standard configuration and for assemblies using two larger E parts.

prEVS 33715

Tähtaeg: 2002-12-01

Identne IEC 60424-2:1997

ja identne EN 60424-2:1997

##### Guidance of the limits of surface irregularities of ferrite cores - Part 2: RM-cores

This part of IEC 60424 gives a guidance on allowable limits of surface irregularities applicable to RM-cores in accordance with the relevant generic specification. This standard should be considered as a sectional specification useful in the dialogue between ferrite core manufacturers and customers about surface irregularities.

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## 29.100.20

### Elektrilised ja elektromeaanilised osad

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#### Electrical and electromechanical components

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#### UUED STANDARDID

##### EVS-EN 61360-4:2002

Hind 360,00

Identne IEC 61360-4:1997

ja identne EN 61360-4:1997

##### Standard data element types with associated classification scheme for electric components - Part 4: IEC reference collection of standard data element types, component classes and terms

This part of IEC 61360 specifies within three dictionaries: - the definitions of data element types for electric components and materials used in electrotechnical equipment and systems; - the definitions of the component classes with associated classification scheme; - the definitions of the terms used to clarify this classification scheme and those terms used in the data element type definitions which could possibly be misunderstood.

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### 29.120.10 Elektrijuhtide paigaldustorud jms

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Conduits for electrical purposes

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#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 54058

Tähtaeg: 2002-12-01

Identne EN 50086-2-3:1995/A11:1998

#### Conduit systems for electrical installations - Part 2-3:

#### Particular requirements for flexible conduit systems

This standard specifies the requirements for flexible conduit systems. Conduit systems which are used as an integral part of other equipment also have to be tested according to the relevant standard for that equipment.

prEVS 54097

Tähtaeg: 2002-12-01

Identne IEC 60423:1993

ja identne EN 60423:1994

#### Conduits for electrical purposes - Outside diameters of conduits for electrical installations and threads for conduits and fittings

Specifies outside diameters for conduits used in electrical installations and the dimensional requirements for threads. It also specifies the dimensional requirements for threads used in associated fittings.

prEVS 54345

Tähtaeg: 2002-12-01

Identne EN 50085-1/A1:1998

#### Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements

This European Standard specifies requirements and tests for cable trunking systems and cable ducting systems intended for the accommodation, and where necessary for the segregation, of insulated conductors, cables, cords and possibly other electrical equipment in electrical and/or communication systems installations up to 1000 V a.c. and/or 1500 V d.c.

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### 29.120.20 Liiteseadised ja klemmid

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Connecting devices

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#### UUED STANDARDID

EVS-EN 50250:2002

Hind 155,00

Identne EN 50250:1998

#### Conversion adaptors for industrial use

This standard applies to conversion adaptors, referred to below as adapters, intended mainly for industrial use, comprising a housing of insulating material which incorporates an industrial 2P + earth, 16 A, 6 h 250 V - type plug part (Table 104 in standard EN 60309-2) and one or two socket outlets in accordance with the relevant national standards for socket outlets for household and similar use, with a rated current up to 16 A, intended mainly for industrial use either indoors or outdoors.

EVS-EN 61666:2002

Hind 155,00

Identne IEC 61666:1997

ja identne EN 61666:1997

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

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

#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 24418

Tähtaeg: 2002-12-01

Identne IEC 60352-1:1997

#### ja identne EN 60352-1:1997 Solderless connections - Part 1: Wrapped connections - General requirements, test methods and practical guidance

Applies to solderless wrapped connections made with single solid round wires with nominal diameters of 0.25 mm (0.01 in) minimum and appropriately designed posts for use in telecommunications equipment and in electronic devices employing similar techniques. Determines the suitability of solderless wrapped connections under specified mechanical, electrical and atmospheric conditions.

prEVS 28447

Tähtaeg: 2002-12-01

Identne IEC 60352-6:1997

ja identne EN 60352-6:1997

#### Solderless connections - Part 6: Insulation piercing connections - General requirements, test methods and practical guidance

This part of IEC 60352 is applicable to insulation piercing connections made with stranded wires and tinsel-wire, flat conductors and flat-flexible circuitries for use in telecommunication equipment and in electronic devices employing similar techniques. Information on materials and data from industrial experience is included in addition to the test procedures to provide electrically stable connections under prescribed environmental conditions.

prEVS 54018

Tähtaeg: 2002-12-01

Identne IEC 60999-1:1999

ja identne EN 60999-1:2000

#### Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors from 0, 2 mm up to 35 mm (included)

This standard applies to screw-type and screwless types clamping units for connecting devices, either as separate entities or as integral parts of equipment, for the connection of electrical copper conductors (complying with IEC publication 228), rigid (solid or stranded) and/or flexible, having a cross-sectional area of 0.5 mm<sup>2</sup> up to and including 35 mm<sup>2</sup> and



equivalent AWG sizes with a rated voltage not exceeding 1000 V a.c. with a frequency up to and including 1 000 Hz, and 1 500 V d.c.

prEVS 54083

Tähtaeg: 2002-12-01

Identne IEC 60352-3:1993

ja identne EN 60352-3:1994

**Solderless connections - Part 3: Solderless accessible insulation displacement connections - General requirements, test methods and practical guidance**

Applies to ID connections which are accessible for tests and measurements, and which are made with: -appropriately designed ID terminations -wires having solid round conductors of 0,25 mm to 3,6 mm nominal diameter -wires having stranded conductors of 0,05 mm<sup>2</sup> to 10 mm<sup>2</sup> cross-section.

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### 29.120.30

#### **Pistikud, pistikupesad, pistikühendused**

Plugs, socket-outlets, couplers

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 37193

Tähtaeg: 2002-12-01

Identne EN 50075:1990

**Flat non-rewirable two-pole plugs, 2,5 A 250 V, with cord, for the connection of class II-equipment for household and similar purposes**

This standard applies to flat non-rewirable two-pole plugs without earthing contact with a rated voltage of 250V a.c. and a rated current of 2,5A. They are supplied with a cord, for the connection of equipment of Class II, for household and similar purposes, and having no special protection against ingress of water are intended for indoor use.

prEVS 53675

Tähtaeg: 2002-12-01

Identne EN 50066:1992

**Mini-couplers for the interconnection of electrical mains supplied equipment in road vehicles**

This standard specifies general safety requirements for mini-couplers with a rated current of 16 A and a rated voltage of 250 V a.c. single phase, applied for the interconnection of mains supplied equipment in road vehicles, e.g. to

supply electrical heaters, battery chargers and cab heaters.

prEVS 54133

Tähtaeg: 2002-12-01

Identne IEC 60268-

11:1987+A1:1989+A2:1991

ja identne HD 483.11 S3:1993

**Sound system equipment; Part 11: Application of connectors for the interconnection of sound system components**

Replaces tables I and III, subclause 7-2-3 and Appendix A.

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### 29.120.40

#### **Lülitid**

Switches

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 25930

Tähtaeg: 2002-12-01

Identne EN 50123-3:1995

**Railway applications - Fixed installations - D.C. switchgear - Part 3: Indoor d.c. disconnectors and switch-disconnectors**

This Part of EN 50123 specifies requirements for d.c. disconnectors, switch-disconnectors and earthing switches for use in indoor stationary installations of traction systems. NOTE 1: EN 50123-6 specifies requirements for d.c. switchgear assemblies. NOTE 2: EN 50121-5 specifies requirements for electromagnetic compatibility (EMC). NOTE 3: EN 50126 specifies requirements for dependability.

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### 29.120.50

#### **Kaitsmed jm liigvoolukaitseparaadid**

Fuses and other overcurrent protection devices

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#### **UUED STANDARDID**

**EVS-EN 62019:2002**

Hind 247,00

Identne IEC 62019:1999

ja identne EN 62019:1999

**Electrical accessories - Circuit-breakers and similar equipment for household use - Auxiliary contact units**

This international standard applies to auxiliary contact units associated (or intended to be associated) with circuit-breakers for overcurrent protection and with residual

current operated circuit-breakers with or without integral overcurrent protection for household and similar installations having a rated voltage not exceeding 440 V a.c. and 250 V d.c. and a rated current not exceeding 10 A.

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 26487

Tähtaeg: 2002-12-01

Identne EN 50122-

2:1998+A1:2002

**Railway applications - Fixed installations - Part 2: Protective provisions against the effects of stray currents caused by d.c. traction systems**

This standard specifies requirements for the protective provisions against the effects of stray currents which result from the operation of d.c. traction systems. It applies to all metallic fixed installations which form a part of the traction system, and also to any other unrelated metallic components located in any position in the earth, which may carry stray currents resulting from the operation of the d.c. railway system. It applies to all new electrification of a d.c. railway system. The principles may also be applied to existing or electrified systems where it is necessary to consider the effects of stray currents. The range of application includes railways; guided mass transportation systems such as: Tramways, elevated and underground railways, trolleybus systems and magnetic levitated systems. It also includes material transportation systems. This standard does not apply to: a) mine traction systems in underground mines; b) cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly from the contact line system and are not endangered by the traction power supply systems; c) suspended cars; d) funicular railways and e) maintenance work.

prEVS 54449

Tähtaeg: 2002-12-01

Identne IEC 60127-4:1996/A1:2002

ja identne EN 60127-4:1996/A1:2002

**Miniature fuses - Part 4:  
Universal Modular Fuse-links  
(UMF)**

This part of IEC 127 relates to Universal Modular Fuse-links (UMF) for printed circuits and other substrate systems, used for the protection of electric appliances, electronic equipment, and component parts thereof, normally intended to be used indoors.

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**29.120.60**

**Lülitus- ja  
juhtimisparaadid**

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**Switchgear and controlgear**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 24435

Tähtaeg: 2002-12-01

Identne EN 50123-6:1998

**Railway applications - Fixed  
installations - D.C. Switchgear -  
Part 6: D.C. Switchgear  
assemblies**

This EN 50123-6 covers D.C. metal-enclosed and non-metallic switchgear assemblies used in indoor stationary installations of traction systems, with nominal voltage not exceeding 3 000 V. It is intended that individual items of equipment, for example circuit breakers, housed in the assembly is designed, manufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of EN 50123 or, when appropriate, with another applicable standard.

prEVS 25906

Tähtaeg: 2002-12-01

Identne EN 50123-1:1995

**Railway applications - Fixed  
installations - D.C. switchgear -  
Part 1: General**

This European Standard, consisting of seven parts, specifies requirements for d.c. switchgear and controlgear and is intended to be used in fixed electrical installations, with nominal voltage not exceeding 3000 V d.c., which supply electrical power to vehicles for public guided transport, i.e. railway vehicles, tramway vehicles, underground vehicles and trolleybuses.

prEVS 25928

Tähtaeg: 2002-12-01

Identne EN 50123-

2:1995+A1:1996

**Railway applications - Fixed  
installations - D.C. switchgear -  
Part 2: D.C. circuit breakers**

This Part of EN 50123 specifies requirements for d.c. circuit breakers for use in stationary installations of traction systems. NOTE 1: EN 50123-6 specifies requirements for d.c. switchgear assemblies. NOTE 2: EN 50121-5 specifies requirements for electromagnetic compatibility (EMC). NOTE 3: EN 50126 specifies requirements for dependability.

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**29.130.10**

**Kõrgepingelised  
lülitusseadmed ja nende  
juhtseadmed**

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**High voltage switchgear and  
controlgear**

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**UUED STANDARDID**

**EVS-EN 61958:2002**

Hind 199,00

Identne IEC 61958:2000

ja identne EN 61958:2001

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

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

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 22267

Tähtaeg: 2002-12-01

Identne EN 50052:1986 +

A2:1993

**Cast aluminium alloy  
enclosures for gas-filled high  
voltage switchgear and  
controlgear**

This standard applies to cast aluminium alloy enclosures pressurized with dry air, inert gases, for example sulphur hexafluoride or nitrogen or a mixture of such gases, used in indoor or outdoor installations of high voltage switchgear and controlgear with rated voltages above 1 kV, where the gas is used principally for its dielectric and/or arc-quenching properties.

prEVS 22338

Tähtaeg: 2002-12-01

Identne EN 50064:1989 +  
A1:1993

**Wrought aluminium and  
aluminium alloy enclosures for  
gas-filled high-voltage  
switchgear and controlgear**

This standard applies to fusion welded wrought aluminium and aluminium alloy enclosures pressurized with dry air, inert gases, for example sulphur hexafluoride or nitrogen or a mixture of such gases, used in indoor or outdoor installations of high-voltage switchgear and controlgear with rated voltages of 72,5 kV and above, where the gas is used principally for its dielectric and/or arc-quenching properties.

prEVS 24405

Tähtaeg: 2002-12-01

Identne IEC 61259:1994

ja identne EN 61259:1994

**Gas-insulated metal-enclosed  
switchgear for rated voltages  
72,5 kV and above -**

**Requirements for switching of  
bus-charging currents by  
disconnectors**

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

prEVS 54096

Tähtaeg: 2002-12-01

Identne IEC 60420:1990

ja identne EN 60420:1993

**High-voltage alternating  
current switch-fuse  
combinations**

This standard applies to three-pole units for public and industrial distribution systems which are functional assemblies of switches including switch-disconnectors and current-limiting fuses and thus able to interrupt: -any load current up to the rated breaking current of the switch; -any over-current up to the rated short-circuit breaking current of the combination by which automatic interruption is initiated. This standard applies to combinations designed with rated voltages above 1 kV and below 52 kV for use on three-phase alternating current systems of either 50 Hz or 60 Hz.

prEVS 54334

Tähtaeg: 2002-12-01

Identne EN 50068:1991+A1:1993

#### **Wrought steel enclosures for gas-filled high-voltage switchgear and controlgear**

This standard applies to fusion welded wrought steel enclosures pressurised with dry air, inert gases, for example sulphur hexafluoride or nitrogen or a mixture of such gases, used in indoor or outdoor installations of high-voltage switchgear and controlgear with rated voltages 72,5 kV and above, where the gas is used principally for its dielectric and/or arc-quenching properties.

prEVS 54335

Tähtaeg: 2002-12-01

Identne EN 50069:1991+A1:1993

#### **Welded composite enclosures of cast and wrought aluminium alloys for gas-filled high-voltage switchgear and controlgear**

This standard applies to welded composite enclosures of cast and wrought aluminium and aluminium alloy enclosures pressurized with dry air, inert gases, for example sulphur hexafluoride or nitrogen or a mixture of such gases, used in indoor or outdoor installations of high-voltage switchgear and controlgear with rated voltages of 72,5 kV and above, where the gas is used principally for its dielectric and/or arc-quenching properties.

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### **29.130.20**

#### **Madalpingelised lülitusseadmed ja nende juhtseadmed**

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Low voltage switchgear and controlgear

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54178

Tähtaeg: 2002-12-01

Identne IEC 60947-4-

2:1999/A1:2001

ja identne EN 60947-4-

2:2000/A1:2002

#### **Low-voltage switchgear and controlgear - Part 4-2:**

#### **Contactors and motor-starters - Section 2: AC semiconductor motor controllers and starters**

This standard applies to controllers and starters, which may include a series mechanical switching device, intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V a.c. This standard characterizes controllers and starters for use with or without bypass switching devices.

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### **29.140.10**

#### **Lambisoklid ja -pesad**

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Lamp caps and holders

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54396

Tähtaeg: 2002-12-01

Identne IEC 60061-

2:1969/A26:2002

ja identne EN 60061-

2:1993/A26:2002

#### **Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lamp holders**

This consolidated version of IEC 60061-2 is based on the third edition (1969) and its supplements A(1970), B(1971), C(1972), D(1975), E(1975), F(1980), G(1983), H(1987), J(1989), K(1992), L(1994), M(1994), N(1995), P(1996) Q(1996), R(1996), S(1997), and amendments 18 (1998), 19 (1999), 20 (1999) 21 (2000), 22 (2001) and 23 (2001). It bears the edition number 3.23.

prEVS 54397

Tähtaeg: 2002-12-01

Identne IEC 60061-

1:1969/A28:2002

ja identne EN 60061-1:1993/

A28:2002

#### **Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps**

This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

prEVS 54398

Tähtaeg: 2002-12-01

Identne IEC 60061-

1:1969/A29:2002

ja identne EN 60061-

1:1993/A29:2002

#### **Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps**

This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

prEVS 54399

Tähtaeg: 2002-12-01

Identne IEC 60061-

3:1969/A27:2002

ja identne EN 60061-

3:1993/A27:2002

#### **Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges**

This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

prEVS 54400

Tähtaeg: 2002-12-01

Identne IEC 60061-

3:1969/A28:2002

ja identne EN 60061-

3:1993/A28:2002

#### **Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges**

This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

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### **29.140.20**

#### **Hõõglambid**

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Incandescent lamps

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 22653

Tähtaeg: 2002-12-01

Identne IEC 60983:1995

ja identne EN 60983:1996

#### **Miniature lamps**

This International Standard specifies requirements for miniature halogen and non-halogen lamps with a nominal voltage up to 30 V and a nominal wattage up to 25 W. It covers: - lamps to be used in road vehicles not subject to regulation and which therefore are not included in IEC 809 (section 2); - lamps for electric torches (section 3); - lamps for miners' caplights (section 4). Aircraft lamps are standardized in IEC 434. prEVS 35613

Tähtaeg: 2002-12-01

Identne EN 50285:1999

**Energy efficiency of electric lamps for household use - Measurement methods**

This standard specified the test conditions and method of measurement of luminous flux, lamp wattage and lamp life as given on a label on the lamp packaging, together with a procedure for verification of the declared values. Only those parameters that are specific to the above mentioned Directive are included in this standard, all other parameters are defined in the relevant lamp performance standards.

prEVS 54250

Tähtaeg: 2002-12-01

Identne IEC 60432-1:1999

ja identne EN 60432-1:2000

**Incandescent lamps - Safety specifications - Part 1: Tungsten filament lamps for domestic and similar general lighting purposes**

Specifies the safety and interchangeability requirements of tungsten filament incandescent lamps for general lighting service, having a rated wattage up to and including 200 W or a rated voltage from 50 V to 250 V inclusive.

Replaces IEC 432 (1984).

prEVS 54251

Tähtaeg: 2002-12-01

Identne IEC 60432-2:1999

ja identne EN 60432-2:2000

**Incandescent lamps - Safety specifications - Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes**

Specifies the safety and the related interchangeability requirements of tungsten halogen lamps for general lighting service. Covers those tungsten halogen lamps that are used as direct replacements for conventional tungsten filament lamps as well as new tungsten

halogen lamps which have no correspondence in IEC 432-1, but for which the safety and interchangeability requirements are treated by this standard in conjunction with IEC 432-1.

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**29.140.30**

**Luminofoorlambid.**

**Lahenduslambid**

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Fluorescent lamps. Discharge lamps

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 25375

Tähtaeg: 2002-12-01

Identne EN 50107:1998

**Signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV**

This European Standard specifies the requirements and method of installation for signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1000 V, but not exceeding 10 000 V, including the electrical components and wiring.

prEVS 35613

Tähtaeg: 2002-12-01

Identne EN 50285:1999

**Energy efficiency of electric lamps for household use - Measurement methods**

This standard specified the test conditions and method of measurement of luminous flux, lamp wattage and lamp life as given on a label on the lamp packaging, together with a procedure for verification of the declared values.

Only those parameters that are specific to the above mentioned Directive are included in this standard, all other parameters are defined in the relevant lamp performance standards.

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**29.140.99**

**Muud lampide ja valgustitega seotud standardid**

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Other standards related to lamps

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**UUED STANDARDID**

EVS-EN 50294:2002

Hind 109,00

Identne EN 50294:1998+A1:2001

**Measurement method of total input power of ballast-lamp circuits**

This standard gives the measurement method of the total input power for ballast-lamp circuits when operating with their associated fluorescent lamp(s). This standard applies to electrical ballast-lamp circuits comprised solely of the ballast and of the lamp(s).

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**29.160**

**Pöörlevad masinad**

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Rotating machinery

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54252

Tähtaeg: 2002-12-01

Identne IEC 60034-5:2000

ja identne EN 60034-5:2001

**Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code); Classification**

This standard applies to the classification of degrees of protection provided by enclosures for rotating machines. Protection of machines against harmful effects due to the ingress of water, designation for these protective degrees, and tests to verify that the machines meet the requirements.

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**29.160.10**

**Pöörlevate masinate osad**

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Components for rotating machines

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 24902

Tähtaeg: 2002-12-01

Identne EN 50209:1998

**Test of insulation of bars and coils of high-voltage machines**

This specification applies to rotating electrical machines with rated voltages from 5 kV to 24 kV inclusive and with rated output from 5 MVA upwards for generators and from 5 MW upwards for motors. Requirements for machines with rated voltage above 24 kV should remain the subject of individual agreement. This specification is also applicable to machines with rated outputs between 1 MVA (1 MW) and 5

MVA (5 MW) and with rated voltages of 5 kV and above, provided its use has been agreed beforehand.

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## 29.160.20

### Generaatorid

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#### Generators

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 29723

Tähtaeg: 2002-12-01

Identne IEC 60034-22:1996

ja identne EN 60034-22:1997

#### Rotating electrical machines - Part 22: AC generators for reciprocating internal combustion (RIC) engine driven generating sets

This part of IEC 34 establishes the principal characteristics of a.c. generators under the control of their voltage regulators when used for reciprocating internal combustion (RIC) engine driven generating set applications and supplements the requirements given in IEC 34-1.

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## 29.160.30

### Mootorid

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#### Motors

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#### UUED STANDARDID

EVS-EN 50347:2002

Hind 117,00

Identne EN 50347:2001

#### General purpose three-phase induction motors having standard dimensions and outputs - Frame numbers 56 to 315 and flange numbers 65 to 740

This EN 50347 covers general purpose standard dimensioned three-phase induction motors for 50 Hz with rated voltages not exceeding 690 V for industrial purposes having dimensions selected from IEC 60072-1 in the range : Frame numbers - shaft-heights : 56 mm to 315 mm Flange numbers - pitch circle diameter of flange : 65 mm to 740 mm It gives tables of fixing dimensions, shaft extension dimensions and output powers.

EVS-EN 61377:2002

Hind 199,00

Identne IEC 61377:1996

ja identne EN 61377:1996

#### Electric traction - Rolling stock - Combined testing of inverter-fed alternating current motors and their control

This International Standard applies to the combinations of motor(s) and inverter, and its object is to specify: - the performance characteristics of electric drives consisting of an inverter, alternating current motors, and the related control system; - methods of verifying these performance characteristics by tests.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54298

Tähtaeg: 2002-12-01

Identne IEC 60034-12:2002

ja identne EN 60034-12:2002

#### Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors

Specifies four standard designs of starting performance for three-phase motors, from 0.4 kW up to 630 kW for direct on-line or star-delta starting and rated on the basis of duty-type S-1 (maximum continuous rating).

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## 29.180

### Trafod. Reaktorid

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#### Transformers. Reactors

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#### UUED STANDARDID

EVS-EN 61596:2002

Hind 146,00

Identne IEC 61596:1995

ja identne EN 61596:1997

#### Magnetic oxide EP-cores and associated parts for use in inductors and transformers - Dimensions

This International Standard specifies the dimensions that are of importance for mechanical interchangeability of a preferred range of EP-cores made of magnetic oxides, the dimensional limits for coil formers to be used with these cores and the locations of their terminal pins on a 2,50 mm printed wiring grid in relation to the base outlines of the cores, and the effective parameter values to be used in calculations involving them.

EVS-EN 61605:2002

Hind 126,00

Identne IEC 61605:1996

ja identne EN 61605:1997

#### Fixed inductors for use in electronic and telecommunication equipment - Marking codes

This standard specifies marking codes for fixed inductors. The colour code specified in clause 2 gives a colour coding for fixed inductors. It is intended for the use with the values of the E6 to E192 series as specified in IEC 63.

EVS-EN 61378-1:2002

Hind 212,00

Identne IEC 61378-1:1997

ja identne EN 61378-1:1998

#### Convertor transformers - Part 1: Transformers for industrial applications

This international standard deals with the specification, design and testing of power transformers and reactors which are intended for integration within semiconductor convertor plants; it is not applicable for transformers designed for industrial or public distribution of a.c. power in general. The scope of this standard is limited to application of power converters, of any power rating, for local distribution, at moderate rated convertor voltage, generally for industrial applications and typically with a highest voltage for equipment not exceeding 36 kV. The guarantees, service and type tests defined in this standard apply equally to transformers supplied as part of an overall converter package, or to those transformers ordered separately but for use with convertor equipment. Any supplementary guarantee or special verification has to be specifically agreed in the transformer contract. The convertor transformers covered by this standard may be of the oil-immersed or dry-type design. Unless specific exceptions are stated in this standard, the transformers are required to comply with IEC 60076 for oil-immersed transformers, and with IEC 60726 for dry-type transformers. EN 61378-1 is not applicable for railway applications. This standard only deals with transformers with one active part and one interphase transformer. For several active parts in the same tank, an agreement between the purchaser and manufacturer is necessary regarding the determination and the measurement of the total losses.

EVS-EN 61378-2:2002

Hind 199,00

Identne IEC 61378-2:2001

ja identne EN 61378-2:2001

**Convertor transformers - Part 2: Transformers for HVDC applications**

This part of IEC 61378 applies to oil-immersed three-phase and -single-phase convertor transformers for use in HVDC power transmission. It applies to transformers having two, three or multiple windings. This standard does not apply to convertor transformers for industrial applications (see IEC 61378-1) and to convertor transformers for traction applications (see IEC 60310).

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 26012

Tähtaeg: 2002-12-01

Identne HD 596 S1:1996

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

This standard is applicable to ceramic insulated bushings for rated voltages up to 1 000 V, rated currents from 250 A up to 5 000 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers. Note: These bushings are suitable for operation at 1,1 kV in compliance with HD 428.1 S1.

prEVS 26016

Tähtaeg: 2002-12-01

Identne HD 607 S1:1996

**Busbar bushings up to 1 kV and from 1,25 kA to 5 kA, for liquid filled transformers**

This standard is applicable to moulded indoor busbar bushings for rated voltages up to 1 000 V, rated currents from 1 250 A up to 5 000 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers. Note: These bushings are suitable for operation at 1,1 kV in compliance with HD 428.1 S1.

prEVS 27377

Tähtaeg: 2002-12-01

Identne HD 591 S1:1993

**Stationary transformers in traction systems**

This document covers specific characteristics of stationary transformers for the supply of power to a.c. and d.c. traction systems.

prEVS 28439

Tähtaeg: 2002-12-01

Identne EN 50225:1996

**Code of practice for the safe use of fully enclosed oil-filled electrical equipment which may be contaminated with PCBs**

This Code of Practice gives guidance to users of fully enclosed electrical equipment which is designed to be filled with oil but which may have become contaminated with PCBs. National and Local Authority regulations (if any) taken into priority. This Code of Practice is applicable to electrical equipment which contains more than five litres of insulating and/or cooling liquid.

prEVS 28852

Tähtaeg: 2002-12-01

Identne EN 50180:1997

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

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

prEVS 30290

Tähtaeg: 2002-12-01

Identne IEC 61021-2:1995

ja identne EN 61021-2:1997

**Laminated core packages for transformers and inductors for use in telecommunication and electronic equipment - Part 2: Electrical characteristics for cores using YEE 2 laminations**

Specifies the electrical characteristics of laminated core packages using YEE 2 laminations according to IEC 740. It also gives the marking and packaging requirements

prEVS 30292

Tähtaeg: 2002-12-01

Identne IEC 61021-1:1990

ja identne EN 61021-1:1997

**Laminated core packages for transformers and inductors used in telecommunication and electronic equipment - Part 1: Dimensions**

This part of the standard specifies the dimensions, with their associated tolerances, of a range of laminated core packages using YEE 2 laminations, both in their standard configuration and for assemblies using two larger E parts.

prEVS 31004

Tähtaeg: 2002-12-01

Identne IEC 61007:1994

ja identne EN 61007:1997

**Transformers and inductors for use in electronic and telecommunication equipment - Measuring methods and test procedures**

Describes measuring methods and test procedures for inductors and transformers for use in electronic and telecommunication equipment that may be involved in any specifications for such components, in particular those forming part of the IECQ.

prEVS 33855

Tähtaeg: 2002-12-01

Identne IEC 60599:1999

ja identne EN 60599:1999

**Mineral oil-impregnated electrical equipment in service - Guide to the interpretation of dissolved and free gases analysis**

This International Standard is a guide describing how the concentrations of dissolved gases or free gases may be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggest future action. This guide is applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes (see annex A). The Guide may be applied only with caution to other liquid-solid insulating systems. In any case, the indications obtained should be viewed only as guidance and any resulting action should be undertaken only with proper engineering judgement.

prEVS 34993

Tähtaeg: 2002-12-01

Identne IEC 60726:1982+A1:1986

ja identne HD 464

S1:1988+A2,A3,A5:2002

**Dry-type power transformers**

This standard applies to dry-type power transformers (including auto-transformers) having values of highest voltage for equipment up to and including 36 kV. The following small and special dry-type transformers are not covered: Single-phase transformers rated at less than 1 kVA and polyphase transformers rated at less than 5

kVA; instrument transformers; transformers for static convertors; starting transformers; testing transformers; traction transformers mounted on rolling stock; welding transformers and small power transformers.

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## 29.200

### **Alaldid. Muundurid. Stabiliseeritud toiteallikad**

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**Rectifiers. Converters. Stabilized power supply**

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## **UUED STANDARDID**

**EVS-EN 62040-3:2002**

Hind 348,00

Identne IEC 62040-3:1999

ja identne EN 62040-3:2001

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

Applies to electronic direct a.c. converter systems with electrical energy storage means in the d.c. link. Ensures continuity of an alternating power source. Also includes the method of specifying all power switches that form integral parts of a UPS and are associated with its output. Included are interrupters, bypass switches, isolating switches, load transfer switches and tie switches. does not refer to conventional mains distribution boards, rectifier input switches or d.c. switches or UPS based on rotating machines. Defines a complete uninterruptible power system in terms of its performance and not individual UPS functional units.

## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 33161

Tähtaeg: 2002-12-01

Identne EN 50091-1-2:1998

**Uninterruptible power systems (UPS) - Part 1-2: General and safety requirements for UPS used in restricted access locations**

This Standard applies to electronic indirect a.c. convertor systems with an electrical energy storage device in the d.c. link. The primary function of the uninterruptible power system (UPS) covered by this Standard is to ensure continuity of an alternating power source. The uninterruptible power system may also serve to improve the quality of the power source by

keeping it within specified characteristics.

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## 29.220

### **Galvaanielemendid ja -patareid**

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**Galvanic cells and batteries**

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## **UUED STANDARDID**

**EVS-EN 61982-3:2002**

Hind 163,00

Identne IEC 61982-3:2001

ja identne EN 61982-3:2001

**Secondary batteries for the propulsion of electric road vehicles - Part 3: Performance and life testing (traffic compatible, urban use vehicles)**

This part of IEC 61982 is applicable to performance and life testing of electrical energy storage systems for general purpose, traffic compatible, light urban use electric road vehicles that are designed for transportation of passengers or goods in city centre driving. For the purposes of this standard, the electrical energy storage system is defined as one that is recharged electrically though some of the test procedures may be applicable to fuel cells and other "mechanically" rechargeable systems. The test procedures may also be applicable to electrical energy storage systems used in some types of hybrid-electric vehicle though detailed consideration of electrical energy storage systems for hybrid vehicles will be addressed separately

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## 29.220.20

### **Happeakud ja -akupatareid**

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**Acid secondary cells and batteries**

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## **UUED STANDARDID**

**EVS-EN 50342:2002**

Hind 146,00

Identne EN

50342+A1:2001+A2:2001

**Lead-acid starter batteries - General requirements, methods of test and numbering**

This standard is applicable to lead-acid batteries with a nominal voltage of 12 v, used primarily as a power source for the starting of internal combustion engines, lighting and also for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "starter batteries". Batteries with a nominal voltage of 6 v are also included within the scope of this standard. All referenced voltages have to be divided by two for 6 v batteries.

**EVS-EN 61427:2002**

Hind 163,00

Identne IEC 61427:1999

ja identne EN 61427:2001

**Secondary cells and batteries for solar photovoltaic energy systems - General requirements and methods of test**

Gives general information relating to the requirements of the secondary batteries used in photovoltaic (PV) solar systems and to the typical methods of test used for the verification of battery performances. This International Standard does not include specific information relating to battery sizing, method of charge or PV system design.

**EVS-EN 50272-2:2002**

Hind 170,00

Identne EN 50272-2:2001

**Safety requirements for secondary batteries and battery installations - Part 2: Stationary batteries**

This standard applies to stationary secondary batteries and battery installations with a maximum voltage of DC1500V (nominal) and describes the principle measures for protections against hazards generated from - electricity, - gas emission, - electrolyte. It provides requirements on safety aspects associated with the erection, use, inspection, maintenance and disposal. It covers lead-acid and NiCd batteries.

## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 26897

Tähtaeg: 2002-12-01

Identne IEC 61429:1995

ja identne EN

61429:1996+A11:1998

**Marking of secondary cells and batteries with the international recycling symbol ISO 7000-1135**

This International Standard defines the conditions of utilization of the recycling symbol of the International Organization for Standardization (ISO) associated with the chemical symbols indicating the electrochemical system of the battery. This standard applies to lead-acid batteries (Pb) and nickel-cadmium batteries (Ni-Cd).

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## 29.220.30

### Leelisakud ja -akupatareid

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Alkaline secondary cells and batteries

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## UUED STANDARDID

### EVS-EN 61434:2002

Hind 83,00

Identne IEC 61434:1996

ja identne EN 61434:1996

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Guide to the designation of current in alkaline secondary cell and battery standards**

This International Standard applies to secondary cells and batteries containing alkaline or other non-acid electrolytes. It proposes a mathematically correct method of current designation which shall be used in future secondary cell and battery standards.

### EVS-EN 61436:2002

Hind 155,00

Identne IEC 61436:1998

ja identne EN 61436:1998

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride rechargeable single cells**

This International Standard specifies tests and requirements for sealed nickel-metal hydride rechargeable single cells, suitable for use in any orientation.

### EVS-EN 61440:2002

Hind 155,00

Identne IEC 61440:1997

ja identne EN 61440:1997

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-cadmium small prismatic rechargeable single cells**

This International Standard specifies tests and requirements for sealed nickel-cadmium small prismatic rechargeable single cells, suitable for use in any orientation.

### EVS-EN 61951-1:2002

Hind 229,00

Identne IEC 61951-1:2001

ja identne EN 61951-1:2001

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 1: Nickel-cadmium**

specifies marking, designation, dimensions, tests and requirements for portable sealed nickel-cadmium small prismatic, cylindrical and button rechargeable single cells, suitable for use in any orientation.

This International Standard is an amalgamation of all currently valid standards for portable sealed nickel-cadmium secondary single cells: IEC 60285, 1999, IEC 60509, 1988 and IEC 61440, 1997. It complies with the objective, which was to reduce the number of valid standards.

### EVS-EN 61951-2:2002

Hind 179,00

Identne IEC 61951-2:2001

ja identne EN 61951-2:2001

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 2: Nickel-metal hydride**

specifies marking, designation, dimensions, tests and requirements for portable sealed nickel-metal hydride, small prismatic, cylindrical and button rechargeable single cells, suitable for use in any orientation. This International Standard is an amalgamation of all currently valid standards for portable sealed nickel-metal hydride secondary single cells: IEC 61436, 1998 and IEC 61808, 1999. It complies with the objective to reduce the number of valid standards, and does not introduce technical modifications in the original standards. If, in the future, this standard is amended, the relevant original standards will be cancelled.

### EVS-EN 61960-1:2002

Hind 212,00

Identne IEC 61960-1:2000

ja identne EN 61960-1:2001

**Secondary lithium cells and batteries for portable applications -- Part 1: Secondary lithium cells**

This International Standard specifies performance and safety tests, designations, markings, dimension and other requirements for secondary lithium single cells. For avoidance of doubt, the scope of this International Standard does not include batteries (single cell or multi cell).

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 26897

Tähtaeg: 2002-12-01

Identne IEC 61429:1995

ja identne EN

61429:1996+A11:1998

**Marking of secondary cells and batteries with the international recycling symbol ISO 7000-1135**

This International Standard defines the conditions of utilization of the recycling symbol of the

International Organization for Standardization (ISO) associated with the chemical symbols indicating the electrochemical system of the battery. This standard applies to lead-acid batteries (Pb) and nickel-cadmium batteries (Ni-Cd).

prEVS 27697

Tähtaeg: 2002-12-01

Identne IEC 60993:1989

ja identne HD 585 S1:1991

**Electrolyte for vented nickel-cadmium cells**

Applies to electrolytes and their components when used in vented nickel-cadmium cells. These electrolytes are used: - for filling cells supplied without filling electrolyte, and/or: - for refilling cells if change of electrolyte is required, and/or: - if the operating electrolyte needs to be topped up with water provided no specific recommendations from the manufacturer are available.

prEVS 27698

Tähtaeg: 2002-12-01

Identne IEC 60509:1988

ja identne HD 561 S1:1991

**Sealed nickel-cadmium button rechargeable single cells**

Specifies tests and requirements for sealed nickel-cadmium rechargeable single button cells, suitable for use in any position.



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29.220.99

**Muud akud ja patareid**

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Other cells and batteries

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**UUED STANDARDID**

**EVS-EN 61960-1:2002**

Hind 212,00

Identne IEC 61960-1:2000

ja identne EN 61960-1:2001

**Secondary lithium cells and batteries for portable applications -- Part 1: Secondary lithium cells**

This International Standard specifies performance and safety tests, designations, markings, dimension and other requirements for secondary lithium single cells. For avoidance of doubt, the scope of this International Standard does not include batteries (single cell or multi cell).

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 28759

Tähtaeg: 2002-12-01

Identne IEC 60623:2001

ja identne EN 60623:2001

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Vented nickel- cadmium prismatic rechargeable single cells**

This international standard specifies tests and requirements for vented nickel-cadmium prismatic secondary single cells. NOTE - In this context, "prismatic" refers to cells having rectangular sides and base. When there exists an IEC standard specifying test conditions and requirements for cells used in special applications and which is in conflict with this standard, the former shall take precedence.

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29.240

**Elektrijaotusvõrgud**

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Power transmission and distribution networks

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**UUED STANDARDID**

**EVS-EN 61643-21:2002**

Hind 283,00

Identne IEC 61643-

21:2000+corr:2001

ja identne EN 61643-21:2001

**Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks; Performance requirements and testing methods**

Is applicable to devices for surge protection of telecommunications and signalling networks against indirect and direct effects of lightning or other transient overvoltages. The purpose of these SPDs is to protect modern electronic equipment connected to telecommunications and signalling networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.

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29.240.01

**Elektrijaotusvõrgud üldiselt**

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Power transmission and distribution networks in general

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**UUED STANDARDID**

**EVS-EN 61660-1:2002**

Hind 247,00

Identne IEC 61660-1:1997

ja identne EN 61660-1:1997

**Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 1: Calculation of short-circuit currents**

This part of IEC 1660 describes a method for calculating short-circuit currents in d.c. auxiliary systems in power plants and substations. Such systems can be equipped with the following equipment, acting as short-circuit sources: 1) Rectifiers in three-phase a.c. bridge connection for 50 Hz. 2) Stationary lead-acid batteries. 3) Smoothing capacitors. 4) D.C. motors with independent excitation. This standard is only concerned with rectifiers in three-phase a.c. bridge connection. It is not concerned with other types of rectifiers.

**EVS-EN 61660-2:2002**

Hind 247,00

Identne IEC 61660-2:1997

ja identne EN 61660-2:1997

**Short-circuit currents in d.c. auxiliary installations in power plants and substations - Part 2: Calculation of effects**

This part of IEC 1660 describes the mechanical and thermal effects on rigid conductors caused by short-circuit currents in d.c. auxiliary installations in power plants and substations. Such systems may contain the following items of equipment which act as sources, as well as contribution to the short-circuit currents: 1) Rectifiers in three-phase a.c. bridge connection for 50 Hz. 2) Stationary lead-acid batteries. 3) Smoothing capacitors. 4) D.C. motors with independent excitation.

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29.240.10

**Alajaamad.**

**Liigpingepiirikud**

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Substations. Surge arresters

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**UUED STANDARDID**

**EVS-EN 61643-21:2002**

Hind 283,00

Identne IEC 61643-

21:2000+corr:2001

ja identne EN 61643-21:2001

**Low voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks; Performance requirements and testing methods**

Is applicable to devices for surge protection of telecommunications and signalling networks against indirect and direct effects of lightning or other transient overvoltages. The purpose of these SPDs is to protect modern electronic equipment connected to telecommunications and signalling networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.

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29.240.20

**Elektrijaotusliinid**

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Power transmission and distribution lines

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**UUED STANDARDID**

**EVS-EN 50340:2002**

Hind 163,00

Identne EN 50340:2001

**Hydraulic cable cutting devices - Devices to be used on electrical installations with nominal voltage up to AC 30 kV**

This standard is applicable to cable cutting devices to be used to verify that a cable is dead in accordance with the rules given in EN 50110. Cable cutting devices specified in this standard are for use on systems with nominal voltage up to 30 kV AC and nominal frequencies up to 60 Hz. For devices to be used on systems with nominal voltages above 30 kV AC this standard should be used as a guide but additional requirements and tests shall be agreed between manufacturer and customer to provide for an equivalent level of safety. These devices are not designed to be used on cables with special armour, or with steel wires or steel tapes more than 1 mm in diameter or thickness.

**EVS-EN 61284:2002**

Hind 306,00

Identne IEC 61284:1997

ja identne EN 61284:1997

**Overhead lines - Requirements and tests for fittings**

This International Standard applies to fittings for overhead lines of nominal voltage above 45 kV. It may also be applied to fittings for overhead lines of lower nominal voltage and to similar fittings for substations.

**EVS-EN 61479:2002**

Hind 247,00

Identne IEC 61479:2001

ja identne EN 61479:2001

**Live working - Flexible conductor covers (line hoses) of insulating material**

This standard is applicable to flexible insulating covers (line hoses) for the protection of workers from accidental contact with live or earthed electrical conductors and for the avoidance of short circuits during live working.

**EVS-EN 61481:2002**

Hind 283,00

Identne IEC 61481:2001

ja identne EN 61481:2001

**Live working - Portable phase comparators for voltages from 1 kV to 36 kV a.c.**

This standard is applicable to portable phase comparators with or without built in power source to be used on electrical systems for voltages of 1 to 36 kV a.c. and frequencies from 50 Hz to 60 Hz. This standard is applicable to two pole phase comparators having a connection lead between, two pole

phase comparators operating with wireless connection, single pole phase comparators operating with memory system.

**EVS-EN 50341-1:2002**

Hind 360,00

Identne EN 50341-1:2001

**Overhead electrical lines exceeding AC 45 kV - Part 1: General requirements; Common specifications**

This standard applies to overhead electric lines with rated voltages exceeding 45 kV AC and with rated frequencies below 100 Hz. This standard specifies the general requirements that shall be met for the design and construction of new overhead lines to ensure that the line is suitable for its purpose with regard to safety of persons, maintenance, operation and environmental considerations.

**EVS-EN 50341-3:2002**

Hind 506,00

Identne EN 50341-3:2001

**Overhead electrical lines exceeding AC 45 kV - Part 3: Set of National Normative Aspects**

(A-dev) AT.1 Notes 1, 2 and 3 are normative in Austria: NOTE 1

The extent of the application of this standard is defined in Austrian Elektrizitätsverordnung ETV .

NOTE 2 The construction of lines with covered conductors (KUF) and reduced internal or external clearance is not permitted in Austria. For KUF-lines the

prescriptions for clearances as from 5.4.2.1 apply. NOTE 3 In addition to the text from Part 1 the following applies: These regulations also cover

telecommunication lines which are carried on supports of OH high voltage lines. These regulations are not valid for constructions of conductors or cables with integrated optical fibres

independent from their function which do not have simultaneously the function of a conductor or an earth wire. For such constructions the normal additional load as from 4.3.3 and the exceptional additional loads with minimum 12 N/m are to be considered. For such constructions with metallic materials internal clearances as defined in 5.4.2.1 apply.

**EVS-EN 61334-6:2002**

Hind 247,00

Identne IEC 61334-6:2000

ja identne EN 61334-6:2000

**Distribution automation using distribution line carrier systems**

**- Part 6: A-XDR encoding rule**

Defines a set of encoding rules that may be used to derive the specification of a transfer syntax for values of types defined in the DLMS core standard using the ASN.1 notation (see IEC 61334-4-41).

**EVS-EN 61334-3-22:2002**

Hind 179,00

Identne IEC 61334-3-22:2001

ja identne EN 61334-3-22:2001

**Distribution automation using distribution line carrier systems - Part 3-22: Mains signalling requirements - MV phase-to-earth and screen-to-earth intrusive coupling devices**

This section of IEC 61334-3 only applies to MV phase-to-earth capacitive and screen-to-earth intrusive inductive coupling devices for medium voltage (MV) distribution line carrier (DLC) systems. Non-intrusive inductive coupling devices are not within the scope of this standard.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54379

Tähtaeg: 2002-12-01

Identne IEC 60743:2001

ja identne EN 60743:2001

**Live working - Terminology for tools, equipment and devices**

Applies to terminology for tools and equipment used in live working. This standard is not intended to be a dictionary giving detailed definitions of all the terms used in live working, but only the necessary details, without indications of their components and their methods of use, to permit identification of the tools and equipment and to standardize their names.

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**29.240.99**

**Muud**

**elektrijaotusliinidega seotud seadmed**

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Other equipment related to power transmission and distribution networks

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**UUED STANDARDID**

**EVS-EN 61954:2002**

Hind 259,00

Identne IEC 61954:1999

ja identne EN 61954:1999

**Power electronics for electrical transmission and distribution systems - Testing of thyristor valves for static VAR compensators**

The scope of this standard is to define type, production and optional tests on thyristor valves used in Thyristor Controlled Reactors (TCR), Thyristor Switched Reactors (TSR) and Thyristor Switched Capacitors (TSC), forming parts of Static VAR Compensators (SVC) for power system applications. The requirements of the standard apply both to single valve units (one phase) and to multiple valve units (several phases).

**29.260**

**Eritingimustes töötavad elektriseadmed**

Electrical equipment for working in special conditions

**UUED STANDARDID**

**EVS-EN 61496-3:2002**

Hind 283,00

Identne IEC 61496-3:2001

ja identne EN 61496-3:2001

**Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for Active Opto-electronic Protective Devices responsive to Diffuse Reflection (AOPDDR)**  
Specifies additional requirements for the design, construction and testing of electro-sensitive protective equipment (ESPE) for the safeguarding of machinery, employing active opto-electronic protective devices responsive to diffuse reflection (AOPDDRs) for the sensing function.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54379

Tähtaeg: 2002-12-01

Identne IEC 60743:2001

ja identne EN 60743:2001

**Live working - Terminology for tools, equipment and devices**

Applies to terminology for tools and equipment used in live working. This standard is not intended to be a dictionary giving detailed definitions of all the terms used in live working, but only the necessary details, without indications of their components and their methods of use, to permit identification of the tools and

equipment and to standardize their names.

**29.260.20**

**Plahvatusohtlikus keskkonnas töötavad elektriseadmed**

Electrical apparatus for explosive atmospheres

**UUED STANDARDID**

**EVS-EN 62013-2:2002**

Hind 146,00

Identne IEC 62013-2:2000

ja identne EN 62013-2:2000

**Caplights for use in mines susceptible to firedamp - Part 2: Performance and other safety-related matters**

This part of IEC 62013 details those performance and other safety features not covered in Part 1 of IEC 62013, but which are nevertheless, important for the safety and working conditions of the user. It may also be applied to caplights for use in mines not likely to be endangered by firedamp. When this part of the standard is used as a "standalone" - document for non-gassy mines any relevant constructional requirements should be the subject of agreement between the supplier and the user and, where possible, be as described in IEC 62013-1.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 25162

Tähtaeg: 2002-12-01

Identne EN 50016:1995

**Electrical apparatus for potentially explosive atmospheres - Pressurized apparatus "p"**

This European Standard contains the specific requirements for the construction and testing of electrical apparatus with type of protection pressurization "p", intended for use in potentially explosive atmospheres. This European Standard supplements European Standard EN 50014, the requirements of which apply to electrical apparatus with type of protection "p".

prEVS 54113

Tähtaeg: 2002-12-01

Identne EN 50033:1991

**Electrical apparatus for potentially explosive atmospheres; Caplights for mines susceptible to firedamp**

This European Standard prescribes the specific requirements related to the risk of a gas explosion for the construction and testing of caplights for use in mines susceptible to firedamp (electrical apparatus for potentially explosive atmospheres of group I).

**29.260.99**

**Muud eritingimustes töötavad elektriseadmed**

Other electrical equipment for working in special conditions

**UUED STANDARDID**

**EVS-EN 50340:2002**

Hind 163,00

Identne EN 50340:2001

**Hydraulic cable cutting devices - Devices to be used on electrical installations with nominal voltage up to AC 30 kV**

This standard is applicable to cable cutting devices to be used to verify that a cable is dead in accordance with the rules given in EN 50110. Cable cutting devices specified in this standard are for use on systems with nominal voltage up to 30 kV AC and nominal frequencies up to 60 Hz. For devices to be used on systems with nominal voltages above 30 kV AC this standard should be used as a guide but additional requirements and tests shall be agreed between manufacturer and customer to provide for an equivalent level of safety. These devices are not designed to be used on cables with special armour, or with steel wires or steel tapes more than 1 mm in diameter or thickness.

**EVS-EN 61479:2002**

Hind 247,00

Identne IEC 61479:2001

ja identne EN 61479:2001

**Live working - Flexible conductor covers (line hoses) of insulating material**

This standard is applicable to flexible insulating covers (line hoses) for the protection of workers from accidental contact with live or earthed electrical conductors and for the avoidance of short circuits during live working.

**EVS-EN 61481:2002**

Hind 283,00

Identne IEC 61481:2001

ja identne EN 61481:2001

### **Live working - Portable phase comparators for voltages from 1 kV to 36 kV a.c.**

This standard is applicable to portable phase comparators with or without built in power source to be used on electrical systems for voltages of 1 to 36 kV a.c. and frequencies from 50 Hz to 60 Hz. This standard is applicable to two pose phase comparators having a connection lead between, two pole phase comparators operating with wireless connection, single pole phase comparators operating with memory system.

**EVS-EN 61958:2002**

Hind 199,00

Identne IEC 61958:2000

ja identne EN 61958:2001

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

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

### **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 54379

Tähtaeg: 2002-12-01

Identne IEC 60743:2001

ja identne EN 60743:2001

### **Live working - Terminology for tools, equipment and devices**

Applies to terminology for tools and equipment used in live working. This standard is not intended to be a dictionary giving detailed definitions of all the terms used in live working, but only the necessary details, without indications of their components and their methods of use, to permit identification of the tools and equipment and to standardize their names.

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## **29.280**

### **Elekterveoseadmed**

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### **Electric traction equipment**

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### **UUED STANDARDID**

**EVS-EN 50261:2002**

Hind 75,00

Identne EN 50261:1999

### **Railway applications - Mounting of electronic equipment**

This standard applies to the mechanical design features for the installation of all electronic equipment as defined in EN 50155 and complying with HD 493. For individual or specialised equipment not complying with HD 493, no specified dimensions are defined; this type of equipment shall be designed to meet the particular requirements. These requirements for racks and enclosures do not exclude other solutions (e.g. single board mounting within an equipment box, future developments, etc.) This standard also covers particular requirements for the interconnection to the vehicle wiring.

**EVS-EN 61377:2002**

Hind 199,00

Identne IEC 61377:1996

ja identne EN 61377:1996

### **Electric traction - Rolling stock - Combined testing of inverter-fed alternating current motors and their control**

This International Standard applies to the combinations of motor(s) and inverter, and its object is to specify: - the performance characteristics of electric drives consisting of an inverter, alternating current motors, and the related control system; - methods of verifying these performance characteristics by tests.

### **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 23379

Tähtaeg: 2002-12-01

Identne EN 50163:1995

### **Railway applications - Supply voltages of traction systems**

This standard applies to line voltages of traction systems under normal operating conditions. NOTE: Specifications in other international documents referring to "the maximum voltage value specified in IEC 850" shall be interpreted as referring to U<sub>max1</sub> until such time as these documents

have determined the appropriate definition of maximum voltage following the publication of EN 50163.

prEVS 25184

Tähtaeg: 2002-12-01

Identne EN 50206-1:1998

### **Railway applications - Rolling stock - Pantographs:**

### **Characteristics and tests - Part 1: Pantographs for main line vehicles**

This document defines the general assembly characteristics which are to be applied to pantographs, to enable current collection from the overhead line system. It also defines the tests the pantographs have to perform, excluding insulators. This standard does not apply to pantograph dielectric tests, which are to be performed on the pantograph installed on the vehicle roof. This standard does not apply to pantographs used on isolated metros and light rail systems: these pantographs are considered in EN 50206-2.

prEVS 25930

Tähtaeg: 2002-12-01

Identne EN 50123-3:1995

### **Railway applications - Fixed installations - D.C. switchgear - Part 3: Indoor d.c. disconnectors and switch-disconnectors**

This Part of EN 50123 specifies requirements for d.c. disconnectors, switch-disconnectors and earthing switches for use in indoor stationary installations of traction systems. NOTE 1: EN 50123-6 specifies requirements for d.c. switchgear assemblies. NOTE 2: EN 50121-5 specifies requirements for electromagnetic compatibility (EMC). NOTE 3: EN 50126 specifies requirements for dependability.

prEVS 27377

Tähtaeg: 2002-12-01

Identne HD 591 S1:1993

### **Stationary transformers in traction systems**

This document covers specific characteristics of stationary transformers for the supply of power to a.c. and d.c. traction systems.

prEVS 34178

Tähtaeg: 2002-12-01

Identne IEC 60349-1:1999

ja identne EN 60349-1:2000

**Electric traction - Rotating electrical machines for rail and road vehicles - Part 1: Machines other than electronic convertor-fed alternating current motors**  
This International Standard is applicable rotating electrical machines, other than convertor-fed alternating current motors, forming part of the equipment of electrically propelled rail and road vehicles. The vehicles may obtain power either from an external supply or from an internal source.

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## 31.020

### Elektronikaseadiste üldküsimumused

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Electronic components in general

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## UUED STANDARDID

**EVS-EN 61360-1:2002**

Hind 212,00

Identne IEC 61360-1:2002

ja identne EN 61360-1:2002

**Standard data element types with associated classification scheme for electric components - Part 1: Definitions - Principles and methods**

This International Standard specifies the principles that shall be used for defining technical data element types with associated classification schemes needed to fully describe electric components, including electronic and electromechanical components and materials used in electrotechnical equipment and systems.

**EVS-EN 61360-2:2002**

Hind 259,00

Identne IEC 61360-2:2002

ja identne EN 61360-2:2002

**Standard data element types with associated classification scheme for electric components - Part 2: EXPRESS Dictionary schema**

This International Standard specifies the principles that shall be used for defining technical data element types with associated classification schemes needed to fully describe, electric components, including electronic and electromechanical components and materials used in electrotechnical equipment and systems. (The scope of this document is the intersection of the scopes of the two base documents IEC 1360-1 and ISO CD 13584-42)

**EVS-EN 61360-4:2002**

Hind 360,00

Identne IEC 61360-4:1997

ja identne EN 61360-4:1997

**Standard data element types with associated classification scheme for electric components - Part 4: IEC reference collection of standard data element types, component classes and terms**

This part of IEC 61360 specifies within three dictionaries: - the definitions of data element types for electric components and materials used in electrotechnical equipment and systems; - the definitions of the component classes with associated classification scheme; - the definitions of the terms used to clarify this classification scheme and those terms used in the data element type definitions which could possibly be misunderstood.

**EVS-EN 61340-5-2:2002**

Hind 283,00

Identne IEC 61340-5-2:1999

ja identne EN 61340-5-2:2001

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

Covers the protection from electrostatic discharge (ESD) damage of all electronic devices (components, assemblies and sub-assemblies) with voltage sensitivity of not lower than 100 V throughout their entire life. This is from the commencement of manufacture, through product assembly, product use and possible repair until the end of the product life. Is to be read in conjunction with IEC 61340-5-1.

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## 31.040.30

### Termistorid

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Thermistors

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38175

Tähtaeg: 2002-12-01

Identne IEC 60738-1-3:1998

ja identne EN 60738-1-3:1999

**Thermistors - Directly heated positive step-function temperature coefficient - Part 1-3: Blank detail specification - Inrush current application - Assessment level EZ**

Blank detail specification.

prEVS 38176

Tähtaeg: 2002-12-01

Identne IEC 60738-1-4:1998

ja identne EN 60738-1-4:1999

**Thermistors - Directly heated positive step-function temperature coefficient - Part 1-4: Blank detail specification - Sensing application - Assessment level EZ**

Blank detail specification.

prEVS 38191

Tähtaeg: 2002-12-01

Identne IEC 60738-1-1:1998

ja identne EN 60738-1-1:1999

**Thermistors - Directly heated positive step-function temperature coefficient - Part 1-1: Blank detail specification - Current limiting application - Assessment level EZ**

Blank detail specification.

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## 31.060.10

### Püskondensaatorid

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Fixed capacitors

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 29742

Tähtaeg: 2002-12-01

Identne IEC 60384-20:1996

ja identne EN 60384-20:1999

**Fixed capacitors for use in electronic equipment - Part 20: Sectional specification: Fixed metallized polyphenylene sulfide film dielectric surface mount D.C. capacitors**

This standard is applicable to fixed chip capacitors for direct current, with metallized electrodes and polyphenylene sulfide dielectric for use in electronic equipment. These capacitors have metallized connecting pads or soldering strips and are intended to be mounted directly onto substrates for hybrid circuits or onto printed boards. Capacitors for radio interference suppression are not included, but are covered by IEC 384-14.

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## 31.060.20

### Keraamilised ja vilkkondensaatorid

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Ceramics and mica capacitors

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 29743

Tähtaeg: 2002-12-01

Identne IEC 60384-20-1:1996

ja identne EN 60384-20-1:1999  
**Fixed capacitors for use in electronic equipment - Part 20: Blank detail specification: Fixed metallized polyphenylene sulfide film dielectric surface mount d.c. capacitors - Assessment level EZ**  
Blank detail specification.

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**31.060.99**

**Muud kondensaatorid**

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Other capacitors

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**UUED STANDARDID**

**EVS-EN 61642:2002**

Hind 229,00

Identne IEC 61642:1997

ja identne EN 61642:1997

**Industrial a.c. networks affected by harmonics - Application of filters and shunt capacitors.**

This International Standard gives guidance for the use of passive a.c. harmonic filters and shunt capacitors for the limitation of harmonics and power factor correction intended to be used in industrial applications, at low and high voltages. The measures proposed in this standard are applicable to harmonic orders greater than 1 and up to and including 25.

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**31.080.01**

**Pooljuhtseadised üldiselt**

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Semiconductor devices in general

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**UUED STANDARDID**

**EVS-EN 62007-1:2002**

Hind 272,00

Identne IEC 62007-1+A1:1998

ja identne EN 62007-1:2000

**Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Essential ratings and characteristics**

Gives the essential ratings and characteristics of the following categories of semiconductor optoelectronic devices to be used in the field of fibre optic systems and subsystems: semiconductor photoemitters, semiconductor photoelectric detectors, and monolithic or hybrid integrated optoelectronic devices and their modules.

**EVS-EN 62007-2:2002**

Hind 306,00

Identne IEC 62007-2 +A1:1998

ja identne EN 62007-2:2000

**Semiconductor optoelectronic devices for fibre optic system applications - Part 2: Measuring methods**

This part of IEC 62007 describes the measuring methods applicable to the semiconductor optoelectronic devices to be used in the field of fibre optic systems and subsystems.

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**31.080.20**

**Türistorid**

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Thyristors

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**UUED STANDARDID**

**EVS-EN 61954:2002**

Hind 259,00

Identne IEC 61954:1999

ja identne EN 61954:1999

**Power electronics for electrical transmission and distribution systems - Testing of thyristor valves for static VAR compensators**

The scope of this standard is to define type, production and optional tests on thyristor valves used in Thyristor Controlled Reactors (TCR), Thyristor Switched Reactors (TSR) and Thyristor Switched Capacitors (TSC), forming parts of Static VAR Compensators (SVC) for power system applications. The requirements of the standard apply both to single valve units (one phase) and to multiple valve units (several phases).

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**31.120**

**Elektronnäidikud**

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Electronic display devices

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54025

Tähtaeg: 2002-12-01

Identne IEC 61747-3-1:1998

ja identne EN 61747-3-1:1999

**Liquid crystal and solid-state display devices - Part 3-1:**

**Liquid crystal display (LCD) cells - Blank detail specification**

This blank detail specification is one of a series of blank detail specifications for liquid crystal display devices and should be used with the following IEC publications.

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**31.140**

**Piesoelektrilised seadised**

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Piezoelectric and dielectric devices

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 26915

Tähtaeg: 2002-12-01

Identne IEC 60444-

1:1986+A1:1999

ja identne EN 60444-

1:1997+A1:1999

**Measurement of quartz crystal unit parameters by zero phase technique in a pi-network - Part 1: Basic method for the measurement of resonance frequency and resonance resistance of quartz crystal units by zero phase technique in a pi-network**

This standard specifies a simple method of measurement of resonance frequency and resonance resistance of quartz crystal units and describes a suitable measuring network. The measuring method and the network are suitable for use over the frequency range 1 MHz to 200 MHz with a fractional frequency accuracy of the order of 10<sup>-6</sup> with a reproducibility of 10<sup>-6</sup> to 10<sup>-8</sup> depending on the type of crystal unit being measured, and an accuracy of the measurement of resonance resistance of +/- 2% to +/- 5% depending on the accuracy of the voltage measurement.

prEVS 26920

Tähtaeg: 2002-12-01

Identne IEC 60444-2:1980

ja identne EN 60444-2:1997

**Measurement of quartz crystal unit parameters by zero phase technique in a PI-Network - Part 2: Phase offset method for measurement of motional capacitance of quartz crystal units**

This standard describes a method of measuring the motional capacitance of quartz crystal units in the frequency range 1 MHz to 125 MHz with a total measurement error of the order of 5%. The advantage of this method is that it uses only the measuring circuit described in IEC Publication 444 and therefore avoids the use of additional elements or instruments which could be sources of error.

prEVS 26949

Tähtaeg: 2002-12-01

Identne IEC 60444-5:1995  
ja identne EN 60444-5:1997  
**Measurement of quartz crystal unit parameters - Part 5: Methods for the determination of equivalent electrical parameters using automatic network analyzer techniques and error correction**

The objective of this International Standard is to give methods for determining the best representations of modes in quartz crystal resonators by linear equivalent circuits. Circuit representations are based on electrical parameters measured with vector network analyzer equipment using automatic error correction. Determination of the equivalent parameters by the method of this standard is based on the measurement of device immittance in the vicinity of series resonance.

prEVS 31601

Tähtaeg: 2002-12-01

Identne IEC 61019-2:1995

ja identne EN 61019-2:1997

**Surface acoustic wave (SAW) resonators - Part 2: Guide to the use**

SAW resonators are now widely used in a variety of applications: VCR RF-converters, CATV local oscillators, measuring equipment, remote control and so on. While SAW resonators are also applied to narrow bandwidth filters, the scope of this guide is limited to SAW resonators for oscillator applications.

prEVS 36990

Tähtaeg: 2002-12-01

Identne EN 170000:1999

**Generic specification:**

**Waveguide type dielectric resonators**

This generic specification applies to waveguide type dielectric resonators of assessed quality using either capability approval or qualification approval procedures. It also lists the test and measurement procedures which may be selected for use in detail specifications for such resonators.

prEVS 37865

Tähtaeg: 2002-12-01

Identne IEC 60368-2-2:1996

ja identne EN 60368-2-2:1999

**Piezoelectric filters - Part 2:**

**Guide to the use of piezoelectric filters - Section 2: Piezoelectric ceramic filters**

Describes passive band-pass filters operating over the frequency range of a few kHz to more than 10 MHz which are commercially available as separate and independent units. Draws attention to some fundamental questions which should be considered by the user before he places an order for a new filter.

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## 31.160

### Elektrifiltrid

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#### Electric filters

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### UUED STANDARDID

#### EVS-EN 61642:2002

Hind 229,00

Identne IEC 61642:1997

ja identne EN 61642:1997

**Industrial a.c. networks affected by harmonics - Application of filters and shunt capacitors.**

This International Standard gives guidance for the use of passive a.c. harmonic filters and shunt capacitors for the limitation of harmonics and power factor correction intended to be used in industrial applications, at low and high voltages. The measures proposed in this standard are applicable to harmonic orders greater than 1 and up to and including 25.

### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 37865

Tähtaeg: 2002-12-01

Identne IEC 60368-2-2:1996

ja identne EN 60368-2-2:1999

**Piezoelectric filters - Part 2:**

**Guide to the use of piezoelectric filters - Section 2: Piezoelectric ceramic filters**

Describes passive band-pass filters operating over the frequency range of a few kHz to more than 10 MHz which are commercially available as separate and independent units. Draws attention to some fundamental questions which should be considered by the user before he places an order for a new filter.

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## 31.180

### Trükkülitused ja -plaadid

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#### Printed circuits and boards

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### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 23426

Tähtaeg: 2002-12-01

Identne IEC 61189-

3:1997+A1:1999

ja identne EN 61189-

3:1997+A1:1999

**Test methods for electrical materials, interconnection structures and assemblies - Part 3: Test methods for interconnection structures (printed boards)**

This part of IEC 61189 is a catalogue of test methods representing methodologies and procedures that can be applied to test materials used for manufacturing interconnection structures (printed boards) and assemblies.

prEVS 38980

Tähtaeg: 2002-12-01

Identne IEC 61189-

2:1997+A1:2000

ja identne EN 61189-

2:1997+A1:2000

**Test methods for electrical materials, interconnection structures and assemblies - Part 2: Test methods for materials for interconnection structures**

This part of IEC 61189 is a catalogue of test methods representing methodologies and procedures that can be applied to test materials used for manufacturing interconnection structures (printed boards) and assemblies.

prEVS 54295

Tähtaeg: 2002-12-01

Identne IEC 60796-3:1990

ja identne HD 593.3 S1:1991

**Microprocessor system bus; 8-bit and 16-bit data (MULTIBUS I); Part 3: Mechanical and pin descriptions for the Eurocard configuration with pin and socket (indirect) connectors**

Deals with the electrical and mechanical interfaces to allow microprocessor system components to interact with each other. Applies to an interface used to connect microprocessor system components by means of a pin and socket (indirect) connector type backplane. Ensures that bus backplanes, card racks and printed circuit boards are mechanically compatible. Note: -For the price of this publication, please consult the ISO/IEC price-code list.

prEVS 54387

Tähtaeg: 2002-12-01

Identne IEC 60249-

1:1982+A1,A2,A3,A4:1993

ja identne EN 60249-1:1993+A4:1994

### **Base materials for printed circuits; Part 1: Test methods**

Describes methods for testing electrical, mechanical and other properties of base materials in sheet or roll form for application in the field of printed circuits irrespective of the nature of the insulating base material.

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## **31.190**

### **Elektroonikakomponentide koosted**

Electronic component assemblies

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## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 29419

Tähtaeg: 2002-12-01

Identne IEC 60068-2-21:1999

ja identne EN 60068-2-21:1999

### **Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices**

Applies to all electrical and electronic components whose terminations or integral mounting devices are liable to be subjected to stress during normal assembly or handling.

prEVS 54136

Tähtaeg: 2002-12-01

Identne IEC 60297-

3:1984+A1:1992

ja identne HD 493.3 S2:1993

### **Dimensions of mechanical structures for the 482, 6 mm (19 in) series; Part 3: Subracks and associated plug-in units**

Covers the basic dimensions of a modular range of sub racks for mounting in equipment according to IEC 60297 together with the basic dimensions of a compatible range of plug-in units and printed boards. Covers also the connector-dependent dimensions to be used when two-part connectors according to IEC 60603-2 are mounted on subracks and plug-in units.

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## **31.200**

### **Integraallülitused. Mikroelektronika**

Integrated circuits.

Microelectronics

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## **UUED STANDARDID**

**EVS-EN 61943:2002**

Hind 199,00

Identne IEC 61943:1999

ja identne EN 61943:1999

**Integrated circuits -**

### **Manufacturing line approval application guideline**

This international standard defines how to apply the principles and requirements given in IEC 61739 to monolithic integrated circuits. The standard is applicable to those manufacturers of integrated circuits who apply for manufacturing line approval.

**EVS-EN 61964:2002**

Hind 190,00

Identne IEC 61964:1999

ja identne EN 61964:1999

### **Integrated circuits - Memory devices pin configurations**

Applies to pinout package configurations of solid state integrated circuit memory devices. The purpose of this standard is to establish a registration procedure for such configurations.

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## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 54098

Tähtaeg: 2002-12-01

Identne EN 190116:1993

### **Family specification: AC MOS digital integrated circuits**

These conditions apply over the operating temperature range, unless otherwise specified in the DS.

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## **31.220.10**

### **Pistikseadised. Liitmikud**

Plug-and-socket devices.

Connectors

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## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 24116

Tähtaeg: 2002-12-01

Identne IEC 61076-4-105:1995

ja identne EN 61076-4-105:1998

Connectors with assessed quality, for use in d.c., low-frequency analogue and in digital high-speed data applications - **Part 4: Printed board connectors - Section 105: Detail specification for 9 mm circular connector with 3 to 8 contacts for use in a wide range of applications including the telecommunication and audio industry**

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## **31.220.20**

### **Lülitid**

Switches

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## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 37167

Tähtaeg: 2002-12-01

Identne EN 196103:1998

### **Blank Detail Specification: Rotary switches - Assessment level Y**

This specification relates to manually operated rotary wafer switches a nominal panel dimension of .. mm. Connection is made by solder lugs or printed circuit terminations around the periphery. The switches are designed for severe requirements.

prEVS 37168

Tähtaeg: 2002-12-01

Identne EN 196403:1998

### **Blank Detail specification: Push button switches - Assessment level Y**

(A statement of the principal usage features of the device; for example "panel mounting, high current".)

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## **31.240**

### **Elektronseadmete mehaanilised osad**

Mechanical structures for electronic equipment

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## **UUED STANDARDID**

**EVS-EN 61587-1:2002**

Hind 199,00

Identne IEC 61587-1:1999

ja identne EN 61587-1:1999

**Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 1: Climatic, mechanical tests and safety aspects for cabinets, racks, subracks and chassis**



This document will specify mechanical tests, climatic tests and safety aspects for cabinets, racks, subracks and chassis as defined in detail specifications IEC 917 and 297 for indoor and outdoor applications.

**EVS-EN 61587-2:2002**

Hind 101,00

Identne IEC 61587-2:2000

ja identne EN 61587-2:2001

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

This document will specify seismic requirements of cabinets as defined in IEC 917 and IEC 297 series. It is not the intention to replace testing of final equipment or products, only to give a high level of confidence to the user for the equipment or product build.

**EVS-EN 61969-1:2002**

Hind 155,00

Identne IEC 61969-1:1999

ja identne EN 61969-1:2000

**Mechanical structures for electronic equipment - Outdoor enclosures - Part 1: Design guidelines**

This International Standard gives guidelines for the design of outdoor enclosures, and is applicable over a wide field of mechanical, electromechanical and electronic equipment and its installation where a modular design is used. The objective of this standard is to provide an overview of specifications for enclosures focused on requirements for outdoor applications at non weather protected locations.

**EVS-EN 61969-2:2002**

Hind 130,00

Identne IEC 61969-2:2000

ja identne EN 61969-2:2000

**Mechanical structures for electronic equipment - Outdoor enclosures - Part 2: Sectional specification - Coordination dimensions for cases and cabinets**

This part of IEC 61969 is in accordance with the rules of the modular order determined in IEC 60917-1. This part of IEC 61969 specifies the coordination dimensions of outdoor enclosures, consisting of cases and cabinets. It is the purpose of this standard to ensure compatibility of outdoor

enclosures concerning the external and internal interface dimensions.

**EVS-EN 61969-3:2002**

Hind 130,00

Identne IEC 61969-3:2001

ja identne EN 61969-3:2001

**Mechanical structures for electronic equipment - Outdoor enclosures - Part 3: Sectional specification; Climatic, mechanical tests and safety aspects for cabinets and cases**

Establishes defined levels of physical performance in order to meet the requirements of storage, transport and final location conditions. Provides a common base for the comparison and selection of products in use in the market place.

**EVS-EN 61969-2-1:2002**

Hind 126,00

Identne IEC 61969-2-1:2000

ja identne EN 61969-2-1:2000

**Mechanical structures for electronic equipment - Outdoor enclosures - Part 2-1: Detail specification - Dimensions for cabinets**

This section of the outdoor enclosure standards is containing application dimensions for cabinets. The dimensions have been derived by selection of the sectional standard IEC 61969-2 and with respect to cabinet mounting dimensions as per IEC 60917-2-1.

**EVS-EN 61969-2-2:2002**

Hind 126,00

Identne IEC 61969-2-2:2000

ja identne EN 61969-2-2:2000

**Mechanical structures for electronic equipment - Outdoor enclosures - Part 2-2: Detail specification - Dimensions for cases**

The purpose of this detail standard is to insure compatibility of outdoor cases concerning the internal and external mounting dimensions. This section of the outdoor enclosure standards is containing application dimensions for cases. The dimensions have been derived by selection of the sectional standard IEC 61969-2 and with respect to the equipment mounting dimensions of IEC 60917-2-1.

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**31.260**

**Optoelektronika.**

**Laserseadmed**

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**Optoelectronics. Laser equipment**

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**UUED STANDARDID**

**EVS-EN 61920:2002**

Hind 212,00

Identne IEC 61920:1998

ja identne EN 61920:1998

**Infrared transmission systems - Free air applications**

This International Standard describes the classification of IR devices into groups and classes in order to identify and clarify problems caused by mutual interference. Mutual interference is caused by the increasing parallel application of different infrared (IR) systems. The object of this standard is to prevent or at least to minimize mutual interference and to allow the coexistence of different IR products. It is intended to identify each IR product by its characteristics, according to the classification criteria.

**EVS-EN 62007-1:2002**

Hind 272,00

Identne IEC 62007-1+A1:1998

ja identne EN 62007-1:2000

**Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Essential ratings and characteristics**

Gives the essential ratings and characteristics of the following categories of semiconductor optoelectronic devices to be used in the field of fibre optic systems and subsystems: semiconductor photoemitters, semiconductor photoelectric detectors, and monolithic or hybrid integrated optoelectronic devices and their modules.

**EVS-EN 62007-2:2002**

Hind 306,00

Identne IEC 62007-2 +A1:1998

ja identne EN 62007-2:2000

**Semiconductor optoelectronic devices for fibre optic system applications - Part 2: Measuring methods**

This part of IEC 62007 describes the measuring methods applicable to the semiconductor optoelectronic devices to be used in the field of fibre optic systems and subsystems.

**EVS-EN 12254:1999/A1:2002**

Hind 75,00

Identne EN 12254:1998/A1:2002  
**Screens for laser working places - Safety requirements and testing**

This standard specifies functional requirements and a product labelling system applicable to a range of temporary and permanent passive guards for protection against laser radiation. This standard includes test methods for testing functional performance and also the specification of the user documentation to be supplied with the product.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 22749

Tähtaeg: 2002-12-01

Identne IEC 61040:1990

ja identne EN 61040:1992

**Power and energy measuring detectors, instruments and equipment for laser radiation**

This standard lays down definitions and minimum requirements, as well as suitable test procedures, for the characteristics and manufacturing standards for detectors, instruments and equipment for the measurement of power and energy of laser radiation.

prEVS 24376

Tähtaeg: 2003-01-01

Identne ISO 13696:2002

ja identne EN ISO 13696:2002

**Optics and optical instruments - Test methods for radiation scattered by optical components**

This International Standard specifies procedures for the determination of the total scattering by coated and uncoated optical surfaces

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**33.020**

**Sidetehnika üldküsimumused**

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Telecommunications in general

**UUED STANDARDID**

**EVS-EN 61334-4-1:2002**

Hind 199,00

Identne IEC 61334-4-1:1996

ja identne EN 61334-4-1:1996

**Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 1: Reference model of the communication system**

The scope of application of the specifications of the sections of part 4 is the communication through the so-called distribution line carrier technology (DLC) on both low and medium voltage distribution network. The application range based on telecommunication processes is wide and cannot be described exhaustively in this section; application examples are: control and monitoring of the distribution network, order broadcast, control of user interfaces, public lighting, traffic lights supervision, automatic meter reading etc.

**EVS-EN 300 224-2 V1.1.1:2002**

Hind 117,00

Identne EN 300 224-2 V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive**

**EVS-EN 61334-3-21:2002**

Hind 179,00

Identne IEC 61334-3-21:1996

ja identne EN 61334-3-21:1996

**Distribution automation using distribution line carrier systems - Part 3: Mains signalling requirements - Section 21: MV phase-to-phase isolated capacitive coupling device**

This section of IEC 1334-3 applies only to MV phase-to-phase isolated capacitive coupling devices for MV (medium voltage) distribution line carrier (DCL) systems.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54421

Tähtaeg: 2003-01-01

Identne EN 301 721 V1.2.1:2001

**Harmonized EN for Mobile Earth Stations (MES) providing Low Bit Rate Data Communications (LBRDC)**

**using Low Earth Orbiting (LEO) satellites operating below 1 GHz covering essential requirements under article 3.2 of the R&TTE directive**

prEVS 54430

Tähtaeg: 2003-01-01

Identne EN 300 224-1 V1.3.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); On-site paging service; Part 1: Part 1: Technical and functional characteristics, including test methods**

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**33.040**

**Sidesüsteemid**

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Telecommunication systems

**UUED STANDARDID**

**EVS-EN 61663-1:2002**

Hind 247,00

Identne IEC 61663-

1:1999+corr:1999

ja identne EN 61663-1:1999

**Lightning protection - Telecommunication lines - Part 1: Fibre optic installations**

The scope of this Standard is the protection against lightning of telecommunication lines in fibre optics installations. The object of this Standard is to limit the number of possible primary failures (3.1) occurring in the optical fibre cable in a specified installation within values which are lower than or equal to the limit value, defined as the accepted frequency of primary failures.

**EVS-EN 61663-2:2002**

Hind 283,00

Identne IEC 61663-2:2001

ja identne EN 61663-2:2001

**Lightning protection - Telecommunication lines - Part 2: Lines using metallic conductors**

The scope of this part of IEC 61663 is protection against lightning of outdoor telecommunication lines using metallic conductors (e.g. access network, lines between buildings). Its object is to protect telecommunication lines and connected equipment against the direct and indirect influence of lightning by limiting the risk of damage due to overvoltages and overcurrents, liable to occur in these lines, to values which are lower than or equal to tolerable risk of damage.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54349

Tähtaeg: 2003-01-01

Identne TBR 23 ed.1:1998

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Terrestrial Flight Telecommunications System (TFTS); Technical requirements for TFTS**

prEVS 54439

Tähtaeg: 2003-01-01

Identne EN 300 636 V1.3.1:2001

Fixed Radio Systems; Point-to-multipoint equipment; Time Division Multiple Access (TDMA); Point-to-multipoint digital radio systems in frequency bands in the range 1HGz to 3 GHz

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**33.040.20**

**Edastussüsteemid**

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Transmission systems

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 30959

Tähtaeg: 2002-12-01

Identne EN 50136-2-3:1998

**Häiresüsteemid.**

**Häireedastussüsteemid ja -seadmed. Osa 2-3: Nõuded seadmetele, mida kasutatakse süsteemides koos üldkasutatava telefonivõrgu**

**digitaalkommutaatoritega**

This standard specifies the requirements for equipment used in digital communicator systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-2-1. The remote centre will normally be an alarm receiving centre but may be a satellite station with onward transmission using an alarm transmission system meeting the requirements of EN 50136-1-2.

prEVS 30962

Tähtaeg: 2002-12-01

Identne EN 50136-2-4:1998

**Häiresüsteemid.**

**Häiresüsteemide ja -seadmed.**

**Osa 2-4: Nõuded**

**üldkasutatavas telefonivõrgus**

**töötavate salvestatud**

**kõnekommunikaatorite**

**süsteemide seadmestikule**

This standard specifies the requirements for equipment used in voice communicators systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-2-1.

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**33.040.40**

**Andmesidevõrgud**

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Data communication networks

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**UUED STANDARDID**

**EVS-EN 62056-31:2002**

Hind 338,00

Identne IEC 62056-31:1999

ja identne EN 62056-31:2000  
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 31: Use of local area networks on twisted pair with carrier signalling**

This document is the first revision of the IEC 1142 (1993) standard "Data exchange for meter reading, tariff and load control - Local bus data exchange". Its purpose is to describe two new architectures for local bus data exchange with stations either energized or not. For non-energized stations, the bus supplies energy for data exchange.

**EVS-EN 61334-4-1:2002**

Hind 199,00

Identne IEC 61334-4-1:1996

ja identne EN 61334-4-1:1996

**Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 1: Reference model of the communication system**

The scope of application of the specifications of the sections of part 4 is the communication through the so-called distribution line carrier technology (DLC) on both low and medium voltage distribution network. The application range based on telecommunication processes is wide and cannot be described exhaustively in this section; application examples are: control and monitoring of the distribution network, order broadcast, control of user interfaces, public lighting, traffic lights supervision, automatic meter reading etc.

**EVS-EN 61334-4-511:2002**

Hind 229,00

Identne IEC 61334-4-511:2000

ja identne EN 61334-4-511:2000

**Distribution automation using distribution line carrier systems - Part 4-511: Data communication protocols; Systems management; CIASE protocol**

This section of IEC 1334-4 specifies the DCP management requirements. It describes the management services in an abstract way and the underlying protocol. It defines terminology and describes concepts for DCP system management, describes DCP systems management activities and facilities and specifies DCP services and protocol.

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**33.040.50**

**Liinid, ühendused, vooluahelad**

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Lines, connections and circuits

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**UUED STANDARDID**

**EVS-EN 61334-3-21:2002**

Hind 179,00

Identne IEC 61334-3-21:1996

ja identne EN 61334-3-21:1996

**Distribution automation using distribution line carrier systems - Part 3: Mains signalling requirements - Section 21: MV phase-to-phase isolated capacitive coupling device**

This section of IEC 1334-3 applies only to MV phase-to-phase isolated capacitive coupling devices for MV (medium voltage) distribution line carrier (DCL) systems.

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**33.060**

**Raadioside**

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Radiocommunications

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**UUED STANDARDID**

**EVS-EN 300 399:2002**

Hind 170,00

Identne EN 300 339:1998

**Elektromagnetiline ühilduvus seostatuna raadiosageduste spektriga (ERM).**

**Raadioseadmete üldine elektromagnetiline ühilduvus (EMC)**

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**EVS-EN 300 829:2002**

Hind 139,00

Identne EN 300 829:1998

**Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for maritime earth stations (MMES) operating in the 1,5/1,6 GHz bands providing low bit rate data communications (LBRDC) for the global maritime distress and safety system (GMDSS)**

**EVS-EN 300 832:2002**

Hind 146,00

Identne EN 300 832:1998

**Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) for mobile earth stations (MES) providing low bit rate data communication (LBRDC) using satellites in low earth orbits**

**(LEO) operating in frequency below 1 GHz**

**EVS-EN 301 090:2002**

Hind 139,00

Identne EN 301 090:1998:1998

**Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) for maritime radiotelephone watch receivers operating on 2 182 kHz**

**EVS-EN 300 065-2 V1.1.1:2002**

Hind 109,00

Identne EN 300 065-2 V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Narrow-band direct-printing telegraph Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive**

**EVS-EN 300 065-3 V1.1.1:2002**

Hind 130,00

Identne EN 300 065-3 V1.2.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive**

**EVS-EN 300 135-2 V1.1.1:2002**

Hind 109,00

Identne EN 300 135-2 V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Angle-modulated Citizens Band radio equipment (CEPT PR 27 Radio Equipment); Part 2: Harmonized EN covering essential requirements under article 3.2 of R&TTE Directive**

**EVS-EN 300 152-2 V1.1.1:2002**

Hind 92,00

Identne EN 300 152-2 V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121,5 MHz or the frequencies 121,5 MHz and 243 MHz for homing purposes only; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive**

**EVS-EN 300 162-3 V1.1.1:2002**

Hind 179,00

Identne EN 300 162-3:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands; Part 3: Harmonized EN covering essential requirements under article 3.3 of the R&TTE Directive**

**EVS-EN 300 390-2 V1.1.1:2002**

Hind 109,00

Identne EN 300 390-2 V1.1.1:2000

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

**EVS-EN 300 454-2 V1.1.1:2002**

Hind 101,00

Identne EN 300 454-2 V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Wide band audio links; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive**

**EVS-EN 300 471-2 V1.1.1:2002**

Hind 109,00

Identne EN 300 471-2 V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Access protocol, occupation rules and corresponding technical characteristics of radio equipment for the transmission of data on shared channels; Part 2: Harmonized EN covering essential requirements under article 3.2 of R&TTE Directive**

**EVS-EN 300 698-3 V1.1.1:2002**

Hind 179,00

Identne EN 300 698-3 V1.1.1:2001

**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 under article 3.3 of the R&TTE Directive**

**EVS-EN 300 718-2 V1.1.1:2002**

Hind 101,00

Identne EN 300 718-2 V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Avalanche Beacons; Transmitter-receiver systems; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive**

**EVS-EN 300 718-3 V1.1.1:2002**

Hind 101,00

Identne EN 300 718-3 V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Avalanche beacons; Transmitter-receiver systems; Part 3: Harmonized EN covering the essential requirements of article 3.3e of the R&TTE Directive**

**EVS-EN 301 025-3 V1.1.1:2002**

Hind 190,00

Identne EN 301 025-3 V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC); Part 3: Harmonized EN under article 3.3 of the R&TTE Directive**

**EVS-EN 301 443 V1.1.1:2002**

Hind 212,00

Identne EN 301 443 V1.1.1:2000

**Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit-and-receive, receive-only satellite earth stations operating in the 4 GHz and 6 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54367

Tähtaeg: 2003-01-01

Identne EN 301 443 V1.2.1:2001

**Harmonized EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit-and-receive, receive-only satellite earth stations operating in the 4 GHz and 6 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive**

prEVS 54407

Tähtaeg: 2003-01-01

Identne EN 300 152-3 V1.1.1:2001

**Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121,5 MHz or the frequencies 121,5 MHz and 243 MHz for homing purposes only; Part 3: Harmonized EN covering essential requirements of article 3.3 (e) of the R&TTE Directive**  
prEVS 54408  
Tähtaeg: 2003-01-01  
Identne EN 300 328-2 V1.2.1:2001  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive**  
prEVS 54409  
Tähtaeg: 2003-01-01  
Identne EN 301 357-2 V1.2.1:2001  
**Cordless audio devices in the range 25 MHz to 2 000 MHz; Consumer radio microphones and in-ear monitoring systems operating in the CEPT harmonized band 863 MHz to 865 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive**  
prEVS 54426  
Tähtaeg: 2003-01-01  
Identne EN 300 152-1 V1.2.2:2000  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121,5 MHz or the frequencies 121,5 MHz and 243 MHz for homing purposes only; Part 1: Technical characteristics and methods of measurement**  
prEVS 54427  
Tähtaeg: 2003-01-01  
Identne EN 300 162-1 V1.2.2:2000  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands; Part 1: Technical characteristics and methods of measurement**  
prEVS 54428  
Tähtaeg: 2003-01-01  
Identne EN 300 197 V1.6.1:2002

**Fixed Radio Systems; Point-to-point equipment; Parameters for radio systems for the transmission of digital signals operating at 38 HGz**  
prEVS 54429  
Tähtaeg: 2003-01-01  
Identne EN 300 198 V1.5.1:2002  
**Fixed Radio Systems; Point-to-point equipment; Parameters for radio systems for the transmission of digital signals operating at 23 GHz**  
prEVS 54433  
Tähtaeg: 2003-01-01  
Identne EN 300 390-1 V1.2.1:2000  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radioequipment intended for the transmission of data**  
prEVS 54437  
Tähtaeg: 2003-01-01  
Identne EN 300 630 V1.3.1:2001  
**Fixed Radio Systems; Point-to-point equipment; Low capacity point-to-point digital radio systems operating in the 1,4 GHz**  
prEVS 54440  
Tähtaeg: 2003-01-01  
Identne EN 300 676 V1.2.1:2000  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation; Technical characteristics and methods of measurement**  
prEVS 54441  
Tähtaeg: 2003-01-01  
Identne EN 300 718-1 V1.2.1:2001  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Avalanche Beacons; Transmitter-receiver systems; Part 1: Technical characteristics and test methods**  
prEVS 54443  
Tähtaeg: 2003-01-01  
Identne EN 300 721 V1.2.2:1999  
**Satellite Earth Stations and Systems (SES); Mobile Earth Stations (MES) providing Low Bit Rate Data Communications (LBRDC) using Low Earth Orbiting (LEO) satellites operating below 1 GHz**

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### 33.060.20

#### Vastuvõtu- ja saateseadmed

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Receiving and transmitting equipment

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 22559  
Tähtaeg: 2002-12-01  
Identne IEC 61114-1:1999  
ja identne EN 61114-1:1999  
**Receiving antennas for satellite broadcast transmissions in the 11/12 GHz band - Part 1: Electrical measurements**  
Defines the conditions and methods of measurements to be applied. Does not specify performance requirements.  
prEVS 54275  
Tähtaeg: 2002-12-01  
Identne IEC 60315-1:1988  
ja identne HD 560.1 S1:1990  
**Methods of measurement on radio receivers for various classes of emission; Part 1: General considerations and methods of measurement, including audio-frequency measurements**  
Applies to radio receivers of any kind excluding television receivers, and to the parts of which they are composed, or which are used as auxiliaries to such receivers. Deals with the determination of performance, the comparison of equipment and the determination of proper practical applications by listing the characteristics useful for specifications and laying down uniform methods of measurement for these characteristics. Also replaces IEC 60315-2 (1971).

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### 33.060.30

#### Raadioreleeliinid ja statsionaarsed satelliitsüsteemid

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Radio relay and fixed satellite communications systems

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54128  
Tähtaeg: 2002-12-01  
Identne IEC 60510-2-3:1989  
ja identne HD 467.2.3 S1:1990

**Methods of measurement for radio equipment used in satellite earth stations; Part 2: Measurements for sub-systems; Section 3: Low-noise amplifier**  
Describes methods of measurement of the electrical characteristics of the low-noise amplifier which follows an earth station antenna.

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### 33.060.40

#### **Kaabeljaotussüsteemid**

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#### **Cabled distribution systems**

##### **KAVANDI'ITE**

##### **ARVAMUSKÜSITLUS**

prEVS 27323

Tähtaeg: 2002-12-01

Identne EN 50080:1991

##### **RF characteristics of MAC AM-VSB cable receivers**

This standard specifies the RF characteristics for MAC AM-VSB cable receivers and defines the behaviour of the receiver demodulator by referring to the characteristics of the modulated signal. It takes into account the development of the HDMAC specification and ensures compatibility with the HDMAC transmission parameters.

prEVS 27418

Tähtaeg: 2002-12-01

Identne EN 50098-1:1998

##### **Customer premises cabling for information technology - Part 1: ISDN basic access**

This standard defines the requirements for the design and configuration of customer premises cabling for the connection of basic access ISDN equipment.

prEVS 28888

Tähtaeg: 2002-12-01

Identne EN 50083-9:1998

##### **Cable networks for television signals, sound signals and interactive services - Part 9: Interfaces for CATV/SMATV headends and similar professional equipment for DVB/MPEG-2 transport streams**

This standard describes physical interfaces for the interconnection of signal processing devices for professional CATV/SMATV headend equipment or for similar systems, such as in uplink stations. Especially this document specifies the transfer of MPEG-2 data signals in the standardized transport layer format between

devices of different signal processing functions

prEVS 37503

Tähtaeg: 2002-12-01

Identne EN 50083-10:2002

##### **Cable networks for television signals, sound signals and interactive services - Part 10: System performance for return paths**

This standard is dealing with the transparent return path of cable networks operated in the frequency range between 5 MHz and 65 MHz or parts thereof. Higher frequencies may be used in fibre based networks. This standard lays down the basic methods of measurement for signals typically used in the return path of cable networks in order to access the performance of those signals and their performance limits.

prEVS 54342

Tähtaeg: 2002-12-01

Identne EN 50083-3:2002

##### **Cabled networks for television signals, sound signals and interactive services - Part 3: Active wideband equipment for coaxial cable networks**

This standard - applies to all broadband amplifiers used in cabled distribution systems. - covers the frequency range 5 MHz to 1 750 MHz. - applies to one-way and two-way equipment. - lays down the basic methods of measurement of the operational characteristics of the active equipment in order to assess the performance of this equipment. - identifies the performance specifications that shall be published by the manufacturers. - states the minimum performance requirements of certain parameters

prEVS 54343

Tähtaeg: 2002-12-01

Identne EN 50083-5:2001

##### **Cabled networks for television signals, sound signals and interactive services - Part 5: Headend equipment**

This standard defines the characteristics of equipment used in headends of terrestrial broadcast and satellite receiving systems (without satellite outdoor units and without those broadband amplifiers in the headend as described in 50083-3). The satellite outdoor units for FSS are described in standard ETS 300 158, for BSS in standard ETS 300 249. This standard does not relate

to subscriber equipment, such as receivers, tuners, decoders, video recorders, ect.

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### 33.060.70

#### **Mobiilside, DECT**

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Mobile services, Digital Enhanced Cordless Telecommunications (DECT)

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#### **UUED STANDARDID**

**EVS-EN 301 423:2002**

Hind 130,00

Identne EN 301 423:2000

**Electromagnetic Compatibility and Radio spectrum Matters (ERM); Harmonized Standard for the Terrestrial Flight Telecommunications System under article 3.2 of the R&TTE Directive**

**EVS-EN 301 406 V1.4.1:2002**

Hind 283,00

Identne EN 301 406 V1.4.1:2001

**Digital Enhanced Cordless Telecommunications (DECT); Harmonised EN for Digital Enhanced Cordless Telecommunications (DECT) covering essential requirements under article 3.2 of the R&TTE Directive**

**EVS-EN 301 419-1 V4.0.1:2002**

Hind 259,00

Identne EN 301 419-1 V4.0.1:1999

**Digital cellular telecommunications system (Phase 2); Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access (GSM 13.01 version 4.0.1)**

**EVS-EN 301 419-7 V5.0.2:2002**

Hind 117,00

Identne EN 301 419-7 V5.0.2:1999

**Digital cellular telecommunications system (Phase 2+); Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations;**

33.080

**Integraalteenustega digitaalvõrk (ISDN)**

Integrated Services Digital Network (ISDN)

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 26033

Tähtaeg: 2002-12-01

Identne EN 50098-2:1996

**Customer premises cabling for Information Technology - Part 2: 2048 kbit/s ISDN primary access and leased line network interface**

This European standard specifies the design and configuration of customer premises cabling for the connection of primary access ISDN equipment. It includes - design requirements for ISDN primary access point-to-point configuration; - cabling requirements for the installation of new cabling; - criteria for the use of existing cabling; - implementation of ISDN primary access on structured cabling systems.

prEVS 27418

Tähtaeg: 2002-12-01

Identne EN 50098-1:1998

**Customer premises cabling for information technology - Part 1: ISDN basic access**

This standard defines the requirements for the design and configuration of customer premises cabling for the connection of basic access ISDN equipment.

prEVS 54350

Tähtaeg: 2003-01-01

Identne EN 301 937 V1.1.1:2002

**Services and Protocols for Advanced Networks (SPAN); Number portability for ETNS services**

prEVS 54351

Tähtaeg: 2003-01-01

Identne EN 301 716 V7.3.1:2000

**Digital cellular telecommunications system (Phase 2+) (GSM); Support of Mobile Number Portability (MNP); Technical Realisation; Stage 2 (GSM 03.66 version 7.3.1 Release 1998)**

prEVS 54352

Tähtaeg: 2003-01-01

Identne EN 302 097 V1.2.2:2000

Integrated Services Digital Network (ISDN); Signalling System No.7 (SS7); ISDN User Part (ISUP); Enhancement for support of Number Portability (NP) [ITU-T Recommendation Q.769.1 (2000), modified]

33.100

**Elektromagnetiline ühilduvus**

Electromagnetic compatibility (EMC)

**UUED STANDARDID**

**EVS-EN 50310:2002**

Hind 130,00

Identne EN 50310:2000

**Application of equipotential bonding and earthing in buildings with information technology equipment**

This European Standard applies to the bonding network of a building (CBN), the bonding network of the Information Technology equipment (MESH-BN), and the interconnection between these two networks. It contributes to the standardisation of Information Technology equipment and coordinates with the pre-requirements of the generic installation conditions as outlined in IEC 60364-5-548 to achieve the following targets: a) safety from electrical hazards; b) reliable signal reference within the entire Information Technology installation; c) satisfactory electromagnetic performance of the entire Information Technology installation.

**EVS-EN 61566:2002**

Hind 212,00

Identne IEC 61566:1997

ja identne EN 61566:1997

**Measurement of exposure to radio-frequency electromagnetic fields - Field strength in the frequency range 100 kHz to 1 GHz**

This International Standard applies to measurements of electromagnetic fields from operational transmitting equipment to ensure that the transmissions do not constitute a potential hazard to workers or to the general public. The purpose of this standard is to promote a common understanding of technical requirements and precautions necessary for the accurate measurement of

electromagnetic fields carried out in conjunction with relevant national exposure regulations.

**EVS-EN 61920:2002**

Hind 212,00

Identne IEC 61920:1998

ja identne EN 61920:1998

**Infrared transmission systems - Free air applications**

This International Standard describes the classification of IR devices into groups and classes in order to identify and clarify problems caused by mutual interference. Mutual interference is caused by the increasing parallel application of different infrared (IR) systems. The object of this standard is to prevent or at least to minimize mutual interference and to allow the coexistence of different IR products. It is intended to identify each IR product by its characteristics, according to the classification criteria.

**EVS-EN 300 829:2002**

Hind 139,00

Identne EN 300 829:1998

**Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for maritime earth stations (MMES) operating in the 1,5/1,6 GHz bands providing low bit rate data communications (LBRDC) for the global maritime distress and safety system (GMDSS)**

**EVS-EN 300 831:2002**

Hind 146,00

Identne EN 300 831:1999

**Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) for mobile earth stations (MES) used within satellite personal communications networks (S-PCN) operating in the 1,6/2,4 GHz and 2 GHz frequency bands**

**EVS-EN 300 832:2002**

Hind 146,00

Identne EN 300 832:1998

Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) for mobile earth stations (MES) providing low bit rate data communication (LBRDC) using satellites in low earth orbits (LEO) operating in frequency below 1 GHz

EVS-EN 300 162-2 V1.1.1:2002

Hind 126,00

Identne EN 300 162-2:2000

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

EVS-EN 300 219-2 V1.1.1:2002

Hind 117,00

Identne EN 300 219-2 V1.1.1:2001

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

EVS-EN 300 279 V1.2.1:2002

Hind 170,00

Identne EN 300 279 V1.2.1:1999

Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for private land mobile radio (PMR) and ancillary equipment (speech and/or non speech)

EVS-EN 300 296-2 V1.1.1:2002

Hind 117,00

Identne EN 300 296-2 V1.1.1:2001

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

EVS-EN 300 341-2 V1.1.1:2002

Hind 109,00

Identne EN 300 341-2:2000

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile service (RP 02); Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

EVS-EN 300 433-2 V1.1.1:2002

Hind 109,00

Identne EN 300 433-2 V1.1.1:2000

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Double Side Band (DSB) and/or Single Side Band (SSB) Amplitude modulated Citizen's Band radio Equipment; Part 2: Harmonized EN covering essential requirements under article 3.2 of R&TTE Directive

EVS-EN 300 698-2 V1.1.1:2002

Hind 130,00

Identne EN 300 698-2 V1.1.1:2000

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 under article 3.2 of the R&TTE Directive

EVS-EN 300 720-2 V1.1.1:2002

Hind 126,00

Identne EN 300 720-2 V1.1.1:2000

Electromagnetic compatibility and Radio Spectrum Matters (ERM); Ultra-High Frequency (UHF) on-board communications systems and equipment; Part 2: Harmonised EN under article 3.2 of the R&TTE Directive

EVS-EN 300 761-2 V1.1.1:2002

Hind 101,00

Identne EN 300 761-2 V1.1.1:2001

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Automatic Vehicle Identification (AVI) for railways operating in the 2,45 GHz frequency range; Part 2: Harmonized standard covering essential requirements under

EVS-EN 301 025-2 V1.1.1:2002

Hind 130,00

Identne EN 301 025-2 V1.1.1:2000

Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC); Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

EVS-EN 301 178-2 V1.1.1:2002

Hind 126,00

Identne EN 301 178-2 V1.1.1:2000

Electromagnetic compatibility and Radio spectrum Matters (ERM); Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands (for non-GMDSS applications only); Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

## KAVANDITE

### ARVAMUSKÜSITLUS

prEVS 27485

Tähtaeg: 2002-12-01

Identne IEC 61000-4-16:1998

ja identne EN 61000-4-16:1998

Electromagnetic Compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz

This part of IEC 61000 relates to the immunity requirements and the test methods for electrical and electronic equipment to conducted, common mode disturbance in the range DC to 150 kHz. The immunity of the AC power port to harmonics of the mains is dealt within another IEC Publication, and the immunity to mains signalling voltages is under consideration.

prEVS 29887

Tähtaeg: 2002-12-01

Identne IEC 61000-2-9:1996

ja identne EN 61000-2-9:1996

Electromagnetic compatibility (EMC) - Part 2: Environment - Section 9:Description of HEMP environment - Radiated disturbance - Basic EMC publication

This section of IEC 1000-2 defines the high-altitude electromagnetic pulse (HEMP) environment that is one of the consequences of a high-altitude nuclear explosion.

prEVS 29905



Tähtaeg: 2002-12-01  
Identne IEC 61000-5-5:1996  
ja identne EN 61000-5-5:1996  
**Electromagnetic Compatibility (EMC) - Part 5: Installation and mitigation guidelines - Section 5: Specification of protective devices for HEMP conducted disturbance - Basic EMC Publication**  
This part of IEC 1000-5 defines how protective devices for conducted disturbance proposed for HEMP protection shall be specified. It is intended to be used for the harmonization of existing or future specifications issued by protective device manufacturers, electronic equipment manufacturers, administrations and other ultimate buyers. Performance requirements shall be given in future IEC documents.  
prEVS 31093  
Tähtaeg: 2003-01-01  
Identne ETS 300  
086:1991+A1:1996+A2:1997  
**Radio Equipment and Systems (RES); Land mobile group; Technical characteristics and test conditions for radio equipment with an internal or external RF connector intended primarily for analogue speech**  
prEVS 31095  
Tähtaeg: 2003-01-01  
Identne ETS 300113  
ed.2:1996+A1:1997  
**Radio Equipment and Systems (RES); Land mobile service; Technical characteristics and test conditions for radio equipment intended for the transmission of data (and speech) and having an antenna connector**  
prEVS 31170  
Tähtaeg: 2002-12-01  
Identne IEC 61000-4-24:1997  
ja identne EN 61000-4-24:1997  
**Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 24: Test methods for protective devices for HEMP conducted disturbance. Basic EMC publication**  
This section of IEC 1000-4 relates to the immunity requirements and the test methods for electrical and electronic equipment, under operational conditions. The object of this basic standard is to establish the immunity requirements and a common reference for evaluating in a laboratory the performance of

electrical and electronic equipment intended for residential, commercial and industrial application, as well as of equipment intended for electrical stations, as applicable.  
prEVS 32090  
Tähtaeg: 2003-01-01  
Identne ETS 300 329 ed.2:1997  
**Radio Equipment and Systems (RES); ElectroMagnetic Compatibility (EMC) for Digital Enhanced Cordless Telecommunications (DECT) equipment**  
This European Telecommunication Standard (ETS) covers the assessment of radio communication and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). This ETS specifies the minimum performance and the methods of measurements of EMC on Digital Enhanced Cordless Telecommunications (DECT) radio and ancillary equipment.  
prEVS 32927  
Tähtaeg: 2002-12-01  
Identne IEC 61000-4-15:1997  
ja identne EN 61000-4-15:1998  
**Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 15: Flickermeter - Functional and design specifications**  
This section of IEC 61000-4 gives a functional and design specification for flicker measuring apparatus intended to indicate the correct flicker perception level for all practical voltage fluctuation waveforms. Information is presented to enable such an instrument to be constructed. A method is given for the evaluation of flicker severity on the basis of the output of flickermeters complying with this standard.  
prEVS 38970  
Tähtaeg: 2003-01-01  
Identne EN 300 385:1999  
**Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for fixed radio links and ancillary equipment**  
The present document covers the assessment of Fixed Radio Links and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Technical specifications related to the antenna port of the radio equipment are found in the

related product standards for the effective use of the radio spectrum. If the relevant product standard does not specify any spurious emission limits for the antenna port, then the default values as specified in subclause 8.4 of the present document apply. The present document specifies the applicable EMC tests, the test methods, the limits and the minimum performance criteria for Analogue and Digital Fixed Radio Links operating as fixed point to point, and Point to Multipoint systems as defined in annex B, including the associated ancillary equipment.  
prEVS 54170  
Tähtaeg: 2002-12-01  
Identne CISPR 15:2000+A1:2001  
ja identne EN  
55015:2000+A1:2001  
**Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment**  
This Standard applies to the emission (radiated and conducted) of radiofrequency disturbances.  
prEVS 54348  
Tähtaeg: 2003-01-01  
Identne EN 300 113-2 V12.1:2002  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive**  
prEVS 54353  
Tähtaeg: 2003-01-01  
Identne EN 301 489-2 V1.2.1:2000  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 2: Specific conditions for radio paging equipment**  
prEVS 54354  
Tähtaeg: 2003-01-01  
Identne EN 301 489-4 V1.2.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 4: Specific conditions for fixed radio links and ancillary equipment and services**  
prEVS 54355  
Tähtaeg: 2003-01-01  
Identne EN 301 489-5 V1.2.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech)**  
prEVS 54356  
Tähtaeg: 2003-01-01  
Identne EN 301 489-6 V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment**  
prEVS 54357  
Tähtaeg: 2003-01-01  
Identne EN 301 489-7 V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)**  
prEVS 54358  
Tähtaeg: 2003-01-01  
Identne EN 301 489-8 V1.1.1:2000

**ElectroMagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 8: Specific conditions for GSM base**  
prEVS 54359  
Tähtaeg: 2003-01-01  
Identne EN 301 489-12  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS)**  
prEVS 54360  
Tähtaeg: 2003-01-01  
Identne EN 301 489-13  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 13: Specific conditions for Citizens' Band (CB) radio and ancillary equipment (speech and non-speech)**  
prEVS 54361  
Tähtaeg: 2003-01-01  
Identne EN 301 489-15  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 15: Specific conditions for commercially available amateur radio equipment**  
prEVS 54362  
Tähtaeg: 2003-01-01  
Identne EN 301 489-17  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Wideband data and HIPERLAN equipment**  
prEVS 54363  
Tähtaeg: 2003-01-01  
Identne EN 301 489-19  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communication**  
prEVS 54364  
Tähtaeg: 2003-01-01  
Identne EN 301 489-20  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS)**  
prEVS 54365  
Tähtaeg: 2003-01-01  
Identne EN 301 489-22  
V1.1.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 22: Specific requirements for ground-based VHF aeronautical mobile and fixed radio equipment**  
prEVS 54409  
Tähtaeg: 2003-01-01  
Identne EN 301 357-2 V1.2.1:2001

**Cordless audio devices in the range 25 MHz to 2 000 MHz; Consumer radio microphones and in-ear monitoring systems operating in the CEPT harmonized band 863 MHz to 865 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive**  
prEVS 54410  
Tähtaeg: 2003-01-01  
Identne EN 301 489-3 V1.3.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz**  
prEVS 54411  
Tähtaeg: 2003-01-01  
Identne EN 301 489-9 V1.2.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices**

prEVS 54412

Tähtaeg: 2003-01-01

Identne EN 301 489-10

V1.2.1:2001

**ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 10: Specific conditions for First (CT1 and CT1+) and Second Generation Cordless Telephone (CT2) equipment**

prEVS 54413

Tähtaeg: 2003-01-01

Identne EN 301 489-11

V1.1.1:2002

**ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 11: Specific conditions for analogue terrestrial sound broadcasting (Amplitude Modulation (AM) and Frequency Modulation (FM)) service transmitters**

prEVS 54414

Tähtaeg: 2003-01-01

Identne EN 301 489-14

V1.1.1:2002

**ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 14: Specific conditions for analogue and digital terrestrial TV broadcasting service transmitters**

prEVS 54415

Tähtaeg: 2003-01-01

Identne EN 301 489-18

V1.2.1:2001

**ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 18: Specific conditions for Terrestrial Trunked Radio (TETRA) equipment**

prEVS 54416

Tähtaeg: 2003-01-01

Identne EN 301 489-23

V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 23: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) Base Station (BS) radio, repeater and ancillary equipment**

prEVS 54417

Tähtaeg: 2003-01-01

Identne EN 301 489-24

V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) for Mobile and portable (UE) radio and ancillary equipment**

prEVS 54418

Tähtaeg: 2003-01-01

Identne EN 301 489-25

V2.0.0:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 25: Specific conditions for IMT-2000 CDMA Multi-carrier Mobile Stations and ancillary equipment**

prEVS 54419

Tähtaeg: 2003-01-01

Identne EN 301 489-26

V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 26: Specific conditions for IMT-2000 CDMA Multi-carrier Base Stations and ancillary equipment**

prEVS 54420

Tähtaeg: 2003-01-01

Identne EN 301 502 V8.1.2:2001

**Harmonized EN for Global System for Mobile communications (GSM);Base Station and Repeater equipment covering essential requirements under article 3.2 of the R&TTE directive (GSM 13.21 version 8.1.2 Release 1999)**

prEVS 54422

Tähtaeg: 2003-01-01

Identne EN 301 839-2 V1.1.1:2002

**Electromagnetic compatibility and Radio spectrum Matters (ERM);Radio equipment in the frequency range 402 MHz to 405 MHz for Ultra Low Power Active Medical Implants and Accessories;Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive**

prEVS 54423

Tähtaeg: 2003-01-01

Identne EN 301 840-2 V1.1.1:2001

**Electromagnetic compatibility and Radio Spectrum Matters (ERM);Digital radio microphones operating in the CEPT Harmonized band 1 785 MHz to 1 800 MHz;Part 2: Harmonized EN under article 3.2 of the R&TTE Directive**

prEVS 54424

Tähtaeg: 2003-01-01

Identne EN 301 843-4 V1.1.1:2001

**Electromagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services;Part 4: Specific conditions for Narrow-Band Direct-Printing (NBDP) NAVTEX receivers**

prEVS 54425

Tähtaeg: 2003-01-01

Identne EN 301 489-16:2000

**ElectroMagnetic compatibility and Radio spectrum Matters (ERM);ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;Part 16: Specific conditions for analogue cellular radio communications equipment, mobile and portable**

prEVS 54431

Tähtaeg: 2003-01-01

Identne EN 300 296-1 V1.1.1:2001

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

prEVS 54432

Tähtaeg: 2003-01-01

Identne EN 300 341-1 V1.3.1:2000

**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service (RP 02); Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver; Part 1: Technical characteristics and methods of measurement**  
prEVS 54434  
Tähtaeg: 2003-01-01  
Identne EN 300 392-2 V2.3.2:2001  
**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface (AI)**  
prEVS 54435  
Tähtaeg: 2003-01-01  
Identne EN 300 392-7 V2.1.1:2001  
**Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 7: Security**  
prEVS 54436  
Tähtaeg: 2003-01-01  
Identne EN 300 433-1 V1.1.3:2000  
**Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Double Side Band (DSB) and/or Single Side Band (SSB) amplitude modulated citizen's band radio equipment; Part 1: Technical characteristics and methods of measurement**  
prEVS 54442  
Tähtaeg: 2003-01-01  
Identne EN 300 720-1 V1.2.1:2000  
**Electromagnetic compatibility and Radio Spectrum Matters (ERM); Ultra-High Frequency (UHF) on-board communications systems and equipment; Part 1: Technical characteristics and methods of measurement**  
prEVS 54444  
Tähtaeg: 2003-01-01  
Identne EN 300 733 V1.1.1:1998  
**Satellite Personal Communications Networks (S-PCN); Mobile Earth Stations (MES), including handheld earth stations, for S-PCN in the 1,6/2,4 GHz bands, providing voice and/or data communications under the Mobile Satellite Service (MSS)**  
prEVS 54445  
Tähtaeg: 2003-01-01  
Identne EN 300 734 V1.1.1:1998

**Satellite Personal Communications Networks (S-PCN); Mobile Earth Stations (MES), including handheld earth stations, for S-PCN in the 2,0 GHz bands, providing voice and/or data communications under the Mobile Satellite Service (MSS)**  
prEVS 54446  
Tähtaeg: 2003-01-01  
Identne EN 301 435-1 V1.2.4:2000  
**Terrestrial Trunked Radio (TETRA) Attachment requirements for TETRA terminal equipment; Part 1: Civil access**  
prEVS 54447  
Tähtaeg: 2003-01-01  
Identne EN 301 435-2 V1.2.4:2000  
**Terrestrial Trunked Radio (TETRA); Attachment requirements for TETRA terminal equipment; Part 2: Emergency access**

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### 33.100.01

#### Elektromagnetiline ühilduvus üldiselt

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#### Electromagnetic compatibility in general

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#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33312  
Tähtaeg: 2002-12-01  
Identne IEC 61000-2-10:1998  
ja identne EN 61000-2-10:1999  
**Electromagnetic Compatibility (EMC) - Part 2-10: Environment - Description of HEMP environment - Conducted disturbance**  
This International Standard defines the high-altitude electromagnetic pulse (HEMP) conducted environment that is one of the consequences of a high-altitude nuclear explosion.

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### 33.100.10

#### Kiirgus

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#### Emission

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#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 54019  
Tähtaeg: 2002-12-01  
Identne IEC 61000-3-2:2000  
ja identne EN 61000-3-2:2000

**Electromagnetic compatibility (EMC) - Part 3-2: Limits - Section 2: Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)**  
This International Standard deals with the limitation of harmonic currents injected into the public supply system. It specifies limits of harmonic components of the input current which may be produced by an equipment tested under specified conditions. Harmonic components are measured according to Annexes A and B (Normatives).  
prEVS 54165  
Tähtaeg: 2002-12-01  
Identne CISPR 12:2001  
ja identne EN 55012:2002  
**Vehicles, boats and internal combustion engine driven devices - Radio disturbance characteristics - Limits and methods of measurement for the protection of receivers except those installed in the vehicle/boat/device itself or in adjacent vehicles/boats/devices**  
Applies to the emission of broadband and narrowband electromagnetic energy which may cause interference to radio reception and which is emitted from: a) vehicles propelled by an internal combustion engine, electrical means, or both; b) boats propelled by an internal combustion engine, electrical means, or both. c) devices equipped with internal combustion engines. This standard includes limits and test methods for both broadband and narrowband emissions. The limits are designed to provide protection for broadcast receivers in the frequency range of 30 MHz to 1000 MHz when used in a residential environment.  
prEVS 54168  
Tähtaeg: 2002-12-01  
Identne CISPR 14-1:2000+ A1:2001  
ja identne EN 55014-1:2000+ A1:2001  
**Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 1: Emission**

This standard applies to the conduction and the radiation of radio-frequency disturbances from appliances whose main functions are performed by motors and switching or regulating devices.  
prEVS 54390

Tähtaeg: 2002-12-01

Identne IEC 60601-1-2:2001  
ja identne EN 60601-1-2:2001

**Medical electrical equipment - Part 1-2: General requirements for safety - Collateral Standard: Electromagnetic compatibility - Requirements and tests**

Applies to medical equipment, medical electrical systems, information technology equipment used in medical electrical application, and all other equipment forming part of medical electrical systems. Specifies general requirements and tests for electromagnetic compatibility of equipment and/or systems

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### 33.100.20

#### Immuunsus

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#### Immunity

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### UUED STANDARDID

#### EVS-EN 61837-1:2002

Hind 212,00

Identne IEC 61837-1:1999  
ja identne EN 61837-1:1999

**Surface mounted piezoelectric devices for frequency control and selection - Standard outlines and terminal lead connections - Part 1: Plastic moulded enclosure outlines**

These standard outlines and terminal lead connections apply to SMDs for frequency control and selection in plastic moulded enclosures based on IEC 1240.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 22793

Tähtaeg: 2002-12-01

Identne IEC 61000-4-10:1993+  
A1:2000

ja identne EN 61000-4-10:1993+  
A1:2001

**Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 10: Damped oscillatory magnetic field immunity test - Basic EMC Publication**

Relates to the immunity requirements of equipment, only under operational conditions, to damped oscillatory magnetic disturbances related to medium voltage and high voltage sub-stations.

prEVS 22794

Tähtaeg: 2002-12-01

Identne IEC 61000-4-9:1993+  
A1:2000

ja identne EN 61000-4-9:1993+  
A1:2001

**Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 9: Pulse magnetic field immunity test - Basic EMC Publication**

Relates to the immunity requirements of equipment, only under operational conditions, to pulse magnetic disturbances mainly related to: - industrial installations and power plants - medium voltage and high voltage sub-stations.

prEVS 22803

Tähtaeg: 2002-12-01

Identne IEC 61000-4-8:1993+  
A1:2000

ja identne EN 61000-4-8:1993+  
A1:2001

**Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 8: Power frequency magnetic field immunity test - Basic EMC Publication**

Relates to the immunity requirements of equipment, only under operational conditions, to magnetic disturbances at power frequency related to: - residential and commercial location - industrial installations and power plants - medium voltage and high voltage sub-stations.

prEVS 23370

Tähtaeg: 2002-12-01

Identne IEC 61000-4-11:1994+  
A1:2000

ja identne EN 61000-4-11:1994+  
A1:2001

**Electromagnetic Compatibility (EMC) - Part 4: Testing and measuring techniques - Section 11: Voltage dips, short interruptions and voltage variations immunity tests**

This standard defines the immunity test methods and range of preferred test levels for electrical and electronic equipment connected to low-voltage power supply networks for voltage dips, short interruptions and voltage variations. It applies to electrical and electronic equipment having a rated input current not exceeding 16 A per phase. It does not apply to electrical and electronic equipment for connection to d.c. networks or 400 Hz a.c. networks.  
prEVS 34748

Tähtaeg: 2002-12-01

Identne IEC 61000-4-17:1999

ja identne EN 61000-4-17:1999

**Electromagnetic Compatibility (EMC) - Part 4-17: Testing and measuring techniques - Ripple on d.c input power port immunity test.**

This International Standard relates to the immunity requirements and test methods for electrical and electronic equipment, connected to d.c. distributed systems, to ripple. This standard is applicable to low voltage d.c. power ports of equipment supplied by external rectifier systems or batteries, charged during its operation  
prEVS 35101

Tähtaeg: 2002-12-01

Identne IEC 61000-4-14:1999

ja identne EN 61000-4-14:1999

**Electromagnetic compatibility (EMC) Part 4-14: Testing and measurement techniques - Voltage fluctuation immunity test.**

This part of IEC 61000 is a basic EMC (Electromagnetic Compatibility) publication. It considers immunity tests for electrical and/or electronic equipment in its electromagnetic environment. Only conducted phenomena are considered, including immunity tests for equipment connected to public and industrial networks.  
prEVS 37092

Tähtaeg: 2002-12-01

Identne IEC 61000-4-28:1999

ja identne EN 61000-4-28:2000

**Electromagnetic compatibility (EMC) - Part 4-28: Testing and measurement techniques - Variation of power frequency, immunity test**

This section of IEC 61000-4 is a basic EMC publication. It considers immunity tests for electric and/or electronic equipment in its electromagnetic environment. Only conducted phenomena are considered, including immunity tests for equipment connected to public, and industrial networks.

prEVS 54390

Tähtaeg: 2002-12-01

Identne IEC 60601-1-2:2001

ja identne EN 60601-1-2:2001

**Medical electrical equipment - Part 1-2: General requirements for safety - Collateral Standard: Electromagnetic compatibility - Requirements and tests**

Applies to medical equipment, medical electrical systems, information technology equipment used in medical electrical application, and all other equipment forming part of medical electrical systems. Specifies general requirements and tests for electromagnetic compatibility of equipment and/or systems

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### 33.120

#### Sideaparatuuri osad ja lisaseadmed

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Components and accessories for telecommunication equipment

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54438

Tähtaeg: 2003-01-01

Identne EN 300 631 V1.2.1:1999

**Fixed Radio Systems; Point-to-point Antennas; Antennas for point-to-point fixed radio systems in the 1 GHz to 3 GHz band**

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### 33.120.10

#### Koaksiaalkaablid. Lainejuhid

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Coaxial cables. Waveguides

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#### UUED STANDARDID

EVS-EN 61580-1:2002

Hind 126,00

Identne IEC 61580-1:1996

ja identne EN 61580-1:1996

**Methods of measurement for waveguides - Part 1: Decoupling and rotation of the plane of polarization**

This part of IEC 1580 is applicable to waveguides which can propagate two orthogonal polarizations of the same waveguide mode. In this way, the waveguide type is generally restricted to square or circular cross-section, such as waveguide with an octagonal cross-section.

EVS-EN 61580-2:2002

Hind 126,00

Identne IEC 61580-2:1996

ja identne EN 61580-2:1996

**Methods of measurement for waveguides - Part 2: Level of intermodulation products**

This part of IEC 1580 is applicable to intermodulation products in waveguides. The object of the test procedure is to characterise the level of unwanted signals caused by the presence of two or more transmitting signals in waveguides or waveguide assemblies.

EVS-EN 61580-3:2002

Hind 126,00

Identne IEC 61580-3:1997

ja identne EN 61580-3:1997

**Methods of measurement for waveguides - Part 3: Variation of group delay**

This part of IEC 1580 is applicable to the variation of group delay of a wave propagated in waveguides or waveguide assemblies. The objective of the test procedures given below is to characterise the group delay variation of a wave propagated in waveguides or waveguide assemblies.

EVS-EN 61580-4:2002

Hind 139,00

Identne IEC 61580-4:1997

ja identne EN 61580-4:1998

**Methods of measurement for waveguides - Part 4:**

**Attenuation of waveguide and waveguide assemblies**

This part of IEC 61580 is applicable to attenuation of waveguides and waveguide assemblies. The objective of the test procedures is to characterise the attenuation.

EVS-EN 61580-7:2002

Hind 117,00

Identne IEC 61580-7:1996

ja identne EN 61580-7:1996

**Methods of measurement for waveguides - Part 7: Graphical method for the determination of waveguide performance**

This part of IEC 1580 is applicable to waveguide performance. The objective is to provide a means for determining the cut-off frequencies for the dominant and higher order modes in waveguides of various types over the frequency range from 1 GHz to 27 GHz. It is only intended to be used as an appendix to the measuring method published by SC 46B.

EVS-EN 61580-8:2002

Hind 92,00

Identne IEC 61580-8:1996

ja identne EN 61580-8:1996

**Methods of measurement for waveguides - Part 8: Waveguide power holding capability**

This part of IEC 1580 describes the measurement of the power holding of a waveguide by the use of a multiplying loop. In this case, the input power required is much less (-10 dB to -12 dB) than when the WUT is directly connected to a high power source.

EVS-EN 61580-9:2002

Hind 117,00

Identne IEC 61580-9:1996

ja identne EN 61580-9:1996

**Methods of measurement for waveguides - Part 9: Reflection coefficient at rectangular waveguide interfaces**

This part of IEC 1580 gives the means for determining the reflection coefficient at the junction of two similar rectangular waveguides due to the following imperfections: a) differences in the waveguide internal dimensions; b) lateral displacement between the waveguide axes in either the H or E plane; c) angular misalignment between the waveguide axes.

EVS-EN 50289-3-1:2002

Hind 66,00

Identne EN 50289-3-1:2001

**Communication cables - Specifications for test methods - Part 3-1: Mechanical test methods - General requirements**

The series of part 3 of the European Standard EN 50289 specifies the mechanical test methods for cables used in analogue and digital communication systems.

EVS-EN 50289-3-4:2002

Hind 66,00

Identne EN 50289-3-4:2001

**Communication cables - Specifications for test methods - Part 3-4: Mechanical test methods; Tensile strength, elongation and shrinkage of insulation and sheath**

This Part 3-4 of EN 50289 specifies the method to be used for determining the shrinkage tests which apply to the most common types of polymeric insulation materials used in telecommunication cables. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-3-5:2002**

Hind 66,00

Identne EN 50289-3-5:2001

**Communication cables - Specifications for test methods - Part 3-5: Mechanical test methods - Crush resistance of the cable**

This Part 3-5 of EN 50289 specifies the method of test to determine the ability of a finished cabled used in analogue and digital communications systems to withstand a transverse load (or a force) applied to any of its parts (crushing). It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-3-6:2002**

Hind 66,00

Identne EN 50289-3-6:2001

**Communication cables - Specifications for test methods - Part 3-6: Mechanical test methods; Impact resistance of the cable**

This Part 3-6 of EN 50289 details the method of test to determine the impact resistance of the cable used in analogue and digital communication systems. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-4-1:2002**

Hind 66,00

Identne EN 50289-4-1:2001

**Communication cables - Specifications for test methods - Part 4-1: Environmental test methods - General requirements**

Part 4 of the European Standard EN 50289 specifies the environmental test methods for cables used in analogue and digital communication systems. This Part 4-1 gives a general introduction and the general test conditions under which the different tests have to be performed.

**EVS-EN 50289-4-2:2002**

Hind 66,00

Identne EN 50289-4-2:2001

**Communication cables - Specifications for test methods - Part 4-2: Environmental test methods; Water penetration**

This Part 4-2 of EN 50289 details the method of test to determine the ability of a cable used in analogue and digital communication systems to block water migration along a specified length. This test applies to water-blocked cables. It is to be read in conjunction with Part 4-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-4-6:2002**

Hind 75,00

Identne EN 50289-4-6:2001

**Communication cables - Specifications for test methods - Part 4-6: Environmental test methods - Temperature cycling**

This Part 4-6 of EN 50289 details the method of test to determine the stability of transmission performance of a finished cable used in analogue and digital communication systems when submitted to temperature changes which may occur during use, storage or transportation. It is to be read in conjunction with Part 4-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-4-9:2002**

Hind 66,00

Identne EN 50289-4-9:2001

**Communication cables - Specifications for test methods - Part 4-9: Environmental test methods - Pneumatic resistance**

This Part 4-9 of EN 50289 details the method of test to determine the pneumatic resistance of a finished cable used in analogue and digital communication systems. It is to be read in conjunction with Part 4-1 of EN 50289, which contains essential provisions for its application. This test only applies to cables which are protected by gas pressurization.

**EVS-EN 50290-1-1:2002**

Hind 75,00

Identne EN 50290-1-1:2001

**Communication cables - Part 1-1: General**

This European Standard EN 50290 harmonizes the standardisation of symmetrical, coaxial and optical cables used for the infrastructure of communication and control networks. Most of the cables covered by this European Standard are primarily intended to be used in IT networks. However they can also be used for other applications with the exception of those which presume a direct connection to the mains electricity supply. This Part 1-1 of EN 50290 gives directly or by reference all common requirements, ratings and preferred values for communication cables. It is completed by generic, sectional, family and detail specifications, as appropriate, to describe in a detailed manner each type of cable with its specific characteristics.

**EVS-EN 50290-4-1:2002**

Hind 83,00

Identne EN 50290-4-1:2001

**Communication cables - Part 4-1: General considerations for the use of cables; Environmental conditions and safety aspects**

This Part 4-1 of the European Standard EN 50290 gives the environmental conditions and installation aspects of symmetrical, coaxial and optical cables used for the infrastructure of communication and control networks. It is completed by the guide for use EN 50290-4-2. However, the relevant generic and sectional specifications always take precedence on this guide.

**EVS-EN 61338-1-3:2002**

Hind 199,00

Identne IEC 61338-1-3:1999

ja identne EN 61338-1-3:2000

**Waveguide type dielectric resonators - Part 1-3: General information and test conditions - Section 3: Measurement method of complex relative permittivity for dielectric resonator materials at microwave frequency**

Dielectric materials for microwave resonators and filters have high relative permittivity, low loss factor and superior temperature stability of resonance frequencies.

Knowledge of these parameters is of a primary importance for the development of new materials on supplier side and for the design of dielectric microwave components on customer side.

#### **EVS-EN 50290-2-21:2002**

Hind 66,00

Identne EN 50290-2-21:2001

#### **Communication cables - Part 2-21: Common design rules and construction; PVC insulation compounds**

This Part 2-21 of EN 50290 gives specific requirements for PVC insulation compounds used for communication cables. It is to be read in conjunction with Part 2-20 of EN 50290.

#### **EVS-EN 50290-2-22:2002**

Hind 66,00

Identne EN 50290-2-22:2001

#### **Communication cables - Part 2-22: Common design rules and construction; PVC sheathing compounds**

This Part 2-22 of EN 50290 gives specific requirements for PVC sheathing compounds used for communication cables. It is to be read in conjunction with Part 2-20 of EN 50290.

#### **EVS-EN 50290-2-23:2002**

Hind 75,00

Identne EN 50290-2-23:2001

#### **Communication cables - Part 2-23: Common design rules and construction; PE insulation**

This Part 2-23 of EN 50290 gives specific requirements for PE insulated compounds used for communication cables. It is to be read in conjunction with Part 2-20 of EN 50290.

### **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 21435

Tähtaeg: 2002-12-01

Identne EN 50117-1:2002

#### **Coaxial cables - Part 1: Generic specification**

This standard establishes the requirements and applicable tests for coaxial cables with characteristic impedance of 75 ohm used in CATV networks. This standard takes into account the IEC 96 requirements. The relating cables are recommended for use

with connector according to IEC 169.

prEVS 21443

Tähtaeg: 2002-12-01

Identne EN 50117-3:1996

#### **Coaxial cables used in cabled distribution networks - Part 3: Sectional specification for outdoor drop cables**

This Sectional Specification is intended to be used in conjunction with the Generic Specification EN 50117-1, Coaxial cables for use in cabled distribution networks operating at frequencies between 5 MHz and 862 MHz.

prEVS 21444

Tähtaeg: 2002-12-01

Identne EN 50117-4:1996

#### **Coaxial cables used in cabled distribution networks - Part 4: Sectional specification for distribution and trunk cables**

This Sectional Specification is intended to be used in conjunction with the Generic Specification EN 50117-1, Coaxial cables for use in cabled distribution networks operating at frequencies between 5 MHz and 862 MHz.

prEVS 54270

Tähtaeg: 2002-12-01

Identne IEC 60261:1989

ja identne HD 138 S2:1990

#### **Sealing test for pressurized waveguide tubing and assemblies**

Specifies uniform measuring methods for sealing tests for pressurized waveguide components and assemblies. These measuring methods are carried out with regard to quantity and quality.

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### **33.120.20**

### **Juhtmed ja sümmeetrilised kaablid**

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#### **Wires and symmetrical cables**

### **UUED STANDARDID**

EVS-EN 50288-1:2002

Hind 92,00

Identne EN 50288-1:2001

#### **Multi-element metallic cables used in analogue and digital communication and control - Part 1: Generic specification**

This European standard covers multi-element metallic cables for instrumentation, equipment and information technology cabling applications. It should be used in conjunction with prEN 50290-1. Cables, for information technology cabling schemes, covered by this

standard are suitable for use in digital and analogue data systems meeting the requirements, for example, of EN 50090, EN 50098-1, EN 50098-2 and EN 50173. They may be of multi-core, multi-pair or multi-quad construction for both indoor and outdoor applications and optionally incorporate armouring and/or moisture or environmental protection layers.

#### **EVS-EN 50288-2-1:2002**

Hind 75,00

Identne EN 50288-2-1:2001

#### **Multi-element metallic cables used in analogue and digital communication and control - Part 2-1: Sectional specification for screened cables characterized up to 100 MHz - Horizontal and building backbone cables**

This sectional specification covers cables, characterised up to 100 MHz, with an overall screen intended for horizontal floor and building backbone wiring as defined in EN 50173. This sectional specification is to be read in conjunction with prEN 50288-1, the generic specification for multi-element metallic cables used in analogue and digital communication and control, which contains the essential provisions for its application.

#### **EVS-EN 50288-2-2:2002**

Hind 75,00

Identne EN 50288-2-2:2001

#### **Multi-element metallic cables used in analogue and digital communication and control - Part 2-2: Sectional specification for screened cables characterized up to 100 MHz - Work area and patch cord cables**

This sectional specification covers cables, characterised up to 100 MHz, with an overall screen intended for work area cables to connect a telecommunications outlet to the terminal equipment and for patch cord cables to establish connections on a patch panel as defined in EN 50173. Work area cables may also be used as patch cord cables in any distributor of a generic building wiring system to interconnect with equipment or to cross-connect between cabling systems. This sectional specification is to be read in conjunction with prEN 50288-1, the generic specification for multi-



element metallic cables used in analogue and digital communication and control, which contains the essential provisions for its application.

**EVS-EN 50288-3-1:2002**

Hind 75,00

Identne EN 50288-3-1:2001

**Multi-element metallic cables used in analogue and digital communication and control - Part 3-1: Sectional specification for unscreened cables characterized up to 100 MHz - Horizontal and building backbone cables**

This sectional specification covers unscreened cables, characterised up to 100 MHz, intended for horizontal floor and building backbone wiring as defined in EN 50173. This sectional specification is to be read in conjunction with prEN 50288-1, the generic specification for multi-element metallic cables used in analogue and digital communication and control, which contains the essential provisions for its application.

**EVS-EN 50288-3-2:2002**

Hind 75,00

Identne EN 50288-3-2:2001

**Multi-element metallic cables used in analogue and digital communication and control - Part 3-2: Sectional specification for unscreened cables characterized up to 100 MHz - Work area and patch cord cables**

This sectional specification covers unscreened cables, characterised up to 100 MHz, intended for work area cables to connect a telecommunications outlet to the terminal equipment and for patch cord cables to establish connections on a patch panel as defined in EN 50173. Work area cables may also be used as patch cord cables in any distributor of a generic building wiring system to interconnect with equipment or to cross-connect between cabling systems. This sectional specification is to be read in conjunction with prEN 50288-1, the generic specification for multi-element metallic cables used in analogue and digital communication and control, which contains the essential provisions for its application.

**EVS-EN 50288-4-1:2002**

Hind 75,00

Identne EN 50288-4-1:2001

**Multi-element metallic cables used in analogue and digital communication and control - Part 4-1: Sectional specification for screened cables characterized up to 600 MHz - Horizontal and building backbone cables**

This sectional specification covers screened cables, characterised up to 600 MHz, intended for horizontal floor and building backbone wiring as defined in EN 50173. This sectional specification is to be read in conjunction with prEN 50288-1, the generic specification for multi-element metallic cables used in analogue and digital communication and control, which contains the essential provisions for its application.

**EVS-EN 50288-4-2:2002**

Hind 75,00

Identne EN 50288-4-2:2001

**Multi-element metallic cables used in analogue and digital communication and control - Part 4-2: Sectional specification for screened cables characterized up to 600 MHz - Work area and patch cord cables**

This sectional specification covers screened cables, characterised up to 600 MHz, intended for work area cables to connect a telecommunications outlet to the terminal equipment and for patch cord cables to establish connections on a patch panel as defined in EN 50173. Work area cables may also be used as patch cord cables in any distributor of a generic building wiring system to interconnect with equipment or to cross-connect between cabling systems. This sectional specification is to be read in conjunction with prEN 50288-1, the generic specification for multi-element metallic cables used in analogue and digital communication and control, which contains the essential provisions for its application.

**EVS-EN 50289-1-1:2002**

Hind 75,00

Identne EN 50289-1-1:2001

**Communication cables - Specifications for test methods - Part 1-1: Electrical test methods - General requirements**

Part 1 of the European Standard EN 50289 specifies the electrical test methods for cables used in analogue and digital communication systems. This Part 1-1 gives a general introduction and the general test conditions under which the different tests have to be performed.

**EVS-EN 50289-1-2:2002**

Hind 66,00

Identne EN 50289-1-2:2001

**Communication cables - Specifications for test methods - Part 1-2: Electrical test methods - D.C. resistance**

This Part 1-2 of EN 50289 details the test methods to determine the d.c. characteristics of the conductors of cables used in analogue and digital communication systems. These characteristics are described by the conductor resistance, loop resistance and resistance unbalance. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-3:2002**

Hind 66,00

Identne EN 50289-1-3:2001

**Communication cables - Specifications for test methods - Part 1-3: Electrical test methods - Dielectric strength**

This Part 1-3 of EN 50289 details the test methods to verify the dielectric strength of the insulation of the finished cables used in analogue and digital communication systems. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-4:2002**

Hind 66,00

Identne EN 50289-1-4:2001

**Communication cables - Specifications for test methods - Part 1-4: Electrical test methods - Insulation resistance**

This Part 1-4 of EN 50289 details the test methods to determine the insulation resistance of the finished cables used in analogue and digital communication systems. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-5:2002**

Hind 75,00

Identne EN 50289-1-5:2001

**Communication cables - Specifications for test methods - Part 1-5: Electrical test methods - Capacitance**

This Part 1-5 of EN 50289 details the test methods to determine the capacitance characteristics of the finished cables used in analogue and digital communication systems. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-7:2002**

Hind 83,00

Identne EN 50289-1-7:2001

**Communication cables - Specifications for test methods - Part 1-7: Electrical test methods - Velocity of propagation**

This Part 1-7 of EN 50289 details the test methods to determine the velocity of propagation of the finished cables used in analogue and digital communication systems. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-8:2002**

Hind 75,00

Identne EN 50289-1-8:2001

**Communication cables - Specifications for test methods - Part 1-8: Electrical test methods - Attenuation**

This Part 1-8 of EN 50289 details the test methods to determine the attenuation of the finished cables used in analogue and digital communication systems by using the transmission measurement method. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-9:2002**

Hind 75,00

Identne EN 50289-1-9:2001

**Communications cables - Specifications for test methods - Part 1-9: Electrical test methods; Unbalance attenuation (longitudinal conversion loss, longitudinal conversion transfer loss)**

Part 1-9 of EN 50289 details the test methods to determine the attenuation of converted common mode signals into differential mode signals due to balance characteristics of cables used in analogue and digital communication systems by using the transmission measurement method. The terms related to this attenuation are defined in 3.1, 3.2 and 3.3. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-10:2002**

Hind 83,00

Identne EN 50289-1-10:2001

**Communication cables - Specifications for test methods - Part 1-10: Electrical test methods - Crosstalk**

This Part 1-10 of EN 50289 details the test methods to determine the crosstalk cables used in analogue and digital communication systems. Crosstalk is defined as being near end crosstalk (NEXT), far end crosstalk (FEXT), attenuation to crosstalk ratio (ATR) and power sum of near end crosstalk (PS). It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-1-11:2002**

Hind 83,00

Identne EN 50289-1-11:2001

**Communication cables - Specifications for test methods - Part 1-11: Electrical test methods - Characteristic impedance, input impedance, return loss**

This Part 1-11 of EN 50289 details the test methods to determine the characteristic impedance, input impedance and return loss of cables used in analogue and digital communication systems. It is to be read in conjunction with Part 1-1 of EN 50289, which contains essential provisions for its application.

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### 33.120.30

### Raadiosagedusliitmikud

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#### R.F. connectors

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### UUED STANDARDID

**EVS-EN 62037:2002**

Hind 130,00

Identne IEC 62037:1999

ja identne EN 62037:1999

**RF connectors, connector cable assemblies and cables - Intermodulation level measurement**

The objective of the test procedure given in this document is to characterise the level of unwanted signals caused by the presence of two or more transmitting signals in passive rf-components

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 23886

Tähtaeg: 2002-12-01

Identne IEC 60169-7:1975 + A1:1993

ja identne HD 134.7 S2:1995

**Radio-frequency connectors - Part 7: R.F. coaxial connector with inner diameter of outer conductor 9,5 mm (0,374 in) with bayonet lock - Characteristic impedance 50 ohms (Type C)**

This publication concerns patterns for r.f. coaxial connectors which may preferably be used with r.f. cables 96 IEC 50-7 of IEC Publication 96-2, Radio-frequency Cables, Part 2: Relevant Cable Specifications.

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### 33.140

### Sidemõõtevahendid

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Special measuring equipment for use in telecommunications

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### UUED STANDARDID

**EVS-EN 61315:2002**

Hind 295,00

Identne IEC 61315:1995

ja identne EN 61315:1997

**Calibration of fibre optic power meters**

Fibre optic power meters are designed to measure optical power from fibre optic sources as accurately as possible. This capability depends largely on the quality of the calibration process. This International Standard standardizes all of the steps involved in the calibration process. It also creates a standardized type of power meter specification which will make it easier to compare power meters from different vendors.

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33.160

**Audio- ja videoseadmed ning -süsteemid**

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Audio, video and audiovisual engineering

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 22751

Tähtaeg: 2002-12-01

Identne IEC 61030:1991 +

A1:1993

ja identne EN 61030:1993

**Audio, video and audiovisual systems - Domestic Digital Bus (D2B)**

The audio-video cluster (TV set, VCR, etc.) needed a practical bus for interconnecting devices and exchanging messages. D2B was developed for this purpose. This Standard gives the modes of transmission, the communication protocols, the addressing scheme, the command language and the electrical characteristics for the Domestic Digital Bus (D2B) System.

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33.160.01

**Audio- ja videoseadmed ning -süsteemid üldiselt**

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Audio, video and audiovisual systems in general

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**UUED STANDARDID**

**EVS-EN 61883-1:2002**

Hind 259,00

Identne IEC 61883-1:1998

ja identne EN 61883-1:1998

**Consumer audio/video equipment - Digital interface - Part 1: General**

This part of IEC 61883 specifies a digital interface for consumer electronic audio/video equipment using the IEEE 1394 standard. It describes the general packet format, data flow management and connection management for audiovisual data, and also the general transmission rules for control commands. The object of this standard is to define the transmission protocol for audiovisual data and control commands which provides for the connectability of digital audio and video equipment, using the IEEE 1394 standard.

**EVS-EN 61883-2:2002**

Hind 126,00

Identne IEC 61883-2:1998

114

ja identne EN 61883-2:1998

**Consumer audio/video equipment - Digital interface - Part 2: SD-DVCR data transmission**

This part of IEC 61883 specifies the packet format and the transmission timing for SD-DVCR data. It describes the specifications for the IEEE 1394 Packet, the CIP header for 525-60 and 625-50 television systems, and the transmission timing.

**EVS-EN 61883-3:2002**

Hind 117,00

Identne IEC 61883-3:1998

ja identne EN 61883-3:1998

**Consumer audio/video equipment - Digital interface - Part 3: HD-DVCR data transmission**

This part of IEC 61883 specifies the packet format and the transmission timing for HD-DVCR data. It describes the specifications for the IEEE 1394 Packet, the CIP header for 1125-60 and 1250-50 television systems, and the transmission timing.

**EVS-EN 61883-4:2002**

Hind 146,00

Identne IEC 61883-4:1998

ja identne EN 61883-4:1998

**Consumer audio/video equipment - Digital interface - Part 4: MPEG2-TS data transmission**

This part of IEC 61883 describes the packetization and the transmission timing for MPEG2 transport streams for the IEEE 1394 digital interface. It describes the specifications for the IEEE 1394 packet, the CIP header and the transmission timing for use with the transport stream as specified in prETS 300 468. Explanation is based on the transport stream as specified in DVB.

**EVS-EN 61883-5:2002**

Hind 126,00

Identne IEC 61883-5:1998

ja identne EN 61883-5:1998

**Consumer audio/video equipment - Digital interface - Part 5: SDL-DVCR data transmission**

This part of IEC 61883 specifies the packet format and the transmission timing for SDL-DVCR data. It describes the specifications for the IEEE 1394 Packet, the CIP header for SDL525-60 and SDL625-50

systems, and the transmission timing.

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33.160.20

**Raadiovastuvõtjad**

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Radio receivers

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**UUED STANDARDID**

**EVS-EN 50320:2002**

Hind 259,00

Identne EN 50320:2000

**Digital audio broadcasting system - Specification of the DAB command set for receiver (DCSR)**

This standard describes a command set which should be used to control DAB receivers. The coding of these commands is also described. This command set is intended to be used on different physical bus systems. The coding should be mapped transparently on different physical interfaces.

**EVS-EN 61305-2:2002**

Hind 126,00

Identne IEC 61305-2:1997

ja identne EN 61305-2:1998

**Household high-fidelity audio equipment and systems - Methods of measuring and specifying the performance - Part 2: FM radio tuners**

This part of IEC 61305 applies to household high-fidelity radio tuner units with facilities for reception of frequency modulation sound broadcasts with a rated maximum system deviation of +/-75 kHz, using the pilot-tone system for stereophonic broadcasting (see ITU-R BS.450-2). It may be applied to systems using a rated maximum system deviation of +/-50 kHz by decreasing all the stated deviations in proportion. It also applies, except where stated, to equipment having multiple functions, including these facilities. It is intended to be read in conjunction with part 1 of this standard.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 24416

Tähtaeg: 2002-12-01

Identne EN 50203:1996 +

A1:1997

**Automatic channel installation (ACI)**

This document specifies elements and describes characteristics for remote channel-installation of TV and VCR sets, by use of teletext.

prEVS 25416  
Tähtaeg: 2002-12-01  
Identne EN 50094:1992 +  
A1:1995

**Access control system for the  
MAC/packet family:  
EUROCRYPT**

The document describes and  
access control system for the  
systems of the MAC/packet  
family: EUROCRYPT.

prEVS 29492  
Tähtaeg: 2002-12-01  
Identne EN 50256:1998

**Characteristics of DVB receivers**

This standard specifies the  
characteristics of Digital Video  
Broadcast (DVB) receivers for  
satellite, cable and terrestrial  
reception in Europe.

prEVS 29493  
Tähtaeg: 2002-12-01  
Identne EN 50255:1997

**Digital Audio Broadcasting  
system - Specification of the  
Receiver Data Interface (RDI)**

The Eureka 147 Digital Audio  
Broadcasting System (1) is able to  
transmit data rates of up 1.8432  
Mbit/s. This data rate occurs in an  
EEP with a coderate of 0.8 is  
selected. Audio receivers generally  
will be capable to decode one or  
several MCS Subchannels, but will  
not contain decoders for all  
possible data services.

prEVS 54176  
Tähtaeg: 2002-12-01  
Identne CISPR 20:2002  
ja identne EN 55020:2002

**Sound and television broadcast  
receivers and associated  
equipment -Immunity  
characteristics -Limits and  
methods of measurement**

This standard for immunity  
requirements applies to television  
broadcast receivers, sound  
broadcast receivers and associated  
equipment intended for use in the  
residential, commercial and light  
industrial environment. Immunity  
requirements are given in the  
frequency range 0 Hz to 400 GHz.  
Radio-frequency tests outside the  
specified frequency bands or  
concerning other phenomena than  
given in this standard are not  
required.

prEVS 54402  
Tähtaeg: 2002-12-01  
Identne EN 60730-  
1:2000/A11:2002

**Automatic electrical controls for  
household and similar use -  
Part 1: General requirements**

In general, this standard applies to  
automatic electrical controls for  
use in, on, or in association with  
equipment for household and  
similar use, including controls for  
heating, air-conditioning and  
similar applications. The  
equipment may use electricity, gas,  
oil, solid fuel, solar thermal energy,  
etc., or a combination thereof.  
This part 1 is to be used in  
conjunction with the appropriate  
part 2 for a particular type of  
control, or for controls for  
particular applications. This part 1  
may also be applied, so far as  
reasonable, to controls not  
mentioned in a part 2, and to  
controls designed

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**33.160.25**

**Televisioonivastuvõtjad**

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**Television receivers**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54277  
Tähtaeg: 2002-12-01  
Identne IEC 60107-6:1989  
ja identne HD 567.6 S1:1990

**Recommended methods of  
measurement on receivers for  
television broadcast  
transmissions; Part 6:  
Measurement under conditions  
different from broadcast signal  
standards**

Gives methods of measurement  
for television broadcast receivers  
under conditions in which the  
signal presented to the receiver is  
not in accordance with the  
specifications for broadcast signals  
adopted by the CCIR. Such  
nonstandard signals may be  
produced by video tape recorders,  
video disc players and television  
games, among other sources.  
Specifies methods of measurement  
for those characteristics of  
broadcast television receivers using  
existing technology which have  
been found, by experience of the  
nature of signals produced by  
existing types of ancillary  
equipment and systems, to be  
significant in determining their  
mutual compatibility.

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**33.160.30**

**Helisalvestussüsteemid**

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**Audio systems**

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**UUED STANDARDID**

**EVS-EN 50301:2002**

Hind 101,00  
Identne EN 50301:2001

**Methods fo measurement for  
the power consumption of  
audio, video and related  
equipment**

Specifies methods of measurement  
for the power consumption of TV  
receivers, VCRs, Set Top Boxes  
(STBs), audio equipment and multi  
function equipment.

**EVS-EN 61606:2002**

Hind 229,00  
Identne IEC 61606:1997  
ja identne EN 61606:1997

**Audio and audiovisual  
equipment - Digital audio parts  
- Basic methods of  
measurement of audio  
characteristics**

This International standard is  
applicable to the basic methods of  
measurement of the audio  
characteristics of the digital audio  
part of audio and audiovisual  
equipment (for both consumer and  
professional uses). The common  
measuring conditions and methods  
are described, which are used in  
the measurement of performance  
characteristics of equipment having  
an audio bandwidth approximately  
one-half of the sampling frequency  
of a system, where the audio  
information is processed in the  
form of digital data.

**EVS-EN 61595-1:2002**

Hind 212,00  
Identne IEC 61595-1:1997  
ja identne EN 61595-1:1997

**Multichannel digital audio tape  
recorder (DATR), reel-to-reel  
system, for professional use -  
Part 1: Format A**

This part of IEC 61595 applies to  
8 to 64 channel digital audio  
recording on 12,7 mm or 25,4 mm  
wide tape (hereafter called tape),  
with stationary heads, for  
professional use. It defines the  
mechanical and electrical  
characteristics necessary to ensure  
the interchangeability of  
programmes, recorded as digital  
audio signals on magnetic tape in  
professional industries.

**EVS-EN 61595-2:2002**

Hind 212,00

Identne IEC 61595-2:1997  
ja identne EN 61595-2:1998  
**Multichannel digital audio tape recorder (DATR), reel-to-reel system, for professional use - Part 2: Format B**

This part of IEC 61595 applies to 24 to 96 channels digital audio recording on 12,7 mm or 25,4 mm wide tape with stationary heads for professional use. It defines the mechanical and electrical characteristics necessary to ensure the interchangeability of programmes, recorded as digital audio signals on magnetic tape amongst professional industries.

**EVS-EN 61595-3:2002**

Hind 101,00

Identne IEC 61595-3:1999

ja identne EN 61595-3:1999

**Multichannel digital audio tape recorder (DATR), reel-to-reel system, for professional use - Part 3: 24 bit operation for 16 bit media**

This international standard is applicable to the use of a 16 bit track-pair to record 24 bit data words per channel. The request for media to store audio signal of wider than 16 bit digital audio words has arisen in the market with the availability of A/D converters with a resolution better than 16 bit and the introduction of digital mixing consoles with a resolution better than 16 bit signal processing. Digital multitrack tapes with their enormous data storage capacity are in ideal medium for such an implementation. The described method here is also applicable to any other medium with a minimum of 2 tracks.

## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 22544

Tähtaeg: 2002-12-01

Identne IEC 61120-1:1991

ja identne EN 61120-1:1993

**Digital audio tape recorder reel to reel system, using 6,3 mm magnetic tape, for professional use - Part 1: General requirements**

Applies to methods of measurement for the properties of magnetic tapes used in digital audio reel-to-reel recording and reproducing systems using 6,3 mm magnetic tape for professional use. Part 1: General requirements.

prEVS 29793

Tähtaeg: 2002-12-01

Identne EN 50157-2-3:1998  
**Domestic and similar electronic equipment interconnection requirements: A.V. link -- Part 2-3: System oriented application**

This document specifies the A.V. link mode 3 communication protocols.

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## **33.160.40**

### **Videosalvestussüsteemid**

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#### **Video systems**

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## **UUED STANDARDID**

**EVS-EN 50301:2002**

Hind 101,00

Identne EN 50301:2001

**Methods for measurement for the power consumption of audio, video and related equipment**

Specifies methods of measurement for the power consumption of TV receivers, VCRs, Set Top Boxes (STBs), audio equipment and multi function equipment.

**EVS-EN 61599:2002**

Hind 212,00

Identne IEC 61599:1999

ja identne EN 61599:1999

**Videodisk players - Methods of measurement**

This International Standard applies to reproducing equipment for the videodisk for home use (hereinafter referred to as "player") that conform to the specifications of IEC 844, IEC 845, IEC 856 and IEC 857. This standard deals with listing and defining the characteristics affecting the performance of videodisk players, establishing conditions and methods of measurement of those characteristics, and standardizing the presentation of results.

**EVS-EN 61835:2002**

Hind 407,00

Identne IEC 61835:1998

ja identne EN 61835:1998

**Helical-scan digital component video cassette recording system using 12,65 mm (0,5 in) magnetic tape - Format D-5**

This International Standard defines the electrical and mechanical characteristics of equipment which permit the interchangeability of 12,65 mm cassettes containing digitally recorded component video programmes. It specifies the content, format and recording method of the data blocks forming

the helical records on the tape containing video, audio and associated data using the 12,65 mm (0,5 in) type D-5 cassettes.

**EVS-EN 61938:2002**

Hind 212,00

Identne IEC 61938:1996

ja identne EN 61938:1997

**Audio, video and audiovisual systems - Interconnections and matching values - Preferred matching values of analogue signals**

This standard applies to electrical matching values for the interconnection of analogue signals amongst audio, video and AV system equipment. It includes audio but not video signals for broadcast and similar use.

Interconnections using the 21 contact connector described in IEC 807-9 are not included in this standard. Matching values for vehicle applications are excluded.

**EVS-EN 62070:2002**

Hind 130,00

Identne IEC 62070:2001

ja identne EN 62070:2001

**Broadcast digital video tape recorders - Identification method for recording and/or reproduction error status**

Specifies methods for indicating the record and/or reproduction error status of broadcast-grade digital VTRs utilizing a Reed Solomon product error correction code. Also specifies methods of measuring the error rates in record and/or reproduction modes to indicate the error status.

**EVS-EN 62107:2002**

Hind 295,00

Identne IEC 62107:2000

ja identne EN 62107:2001

**Super video compact disc - Disc-interchange system-specification**

This document defines the basic specification of the Super Video Compact Disc, in short SuperVCD, characterized by a high resolution, high picture-quality, which matches current TV receivers. This standard is intended to be used as basis for the design, production and compliance testing of Super VCD discs and playback devices to achieve compatibility with current and future products.

**EVS-EN 61834-5:2002**

Hind 283,00

Identne IEC 61834-5:1998

ja identne EN 61834-5:1998

**Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 5: The character information system**

This part of IEC 61834 specifies the character information system which is applicable to the whole recording system of the helical-system digital video cassette using 6,35 mm magnetic tape. This system provides the method of recording characters in many languages and moreover provides easy operation for users.

**EVS-EN 61834-7:2002**

Hind 155,00

Identne IEC 61834-7:2001

ja identne EN 61834-7:2001

**Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 7: EDTV2 format**

This document is an extension to the SD specification (SD mode) and covers the features necessary for the recording and reproduction of EDTV2 signals.

**EVS-EN 61834-8:2002**

Hind 155,00

Identne IEC 61834-8:2001

ja identne EN 61834-8:2001

**Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 8: PALplus format for 625-50 system**

This document is an extension to the SD specification (SD mode) and covers the features necessary to enable a DVCR to record and reproduce PALplus signals.

**EVS-EN 61834-9:2002**

Hind 259,00

Identne IEC 61834-9:2001

ja identne EN 61834-9:2001

**Recording - Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 9: DVB format**

This international standard specifies the content, format and recording method for the data blocks forming the helical records on the tape containing audio, video and system data. This part

describes the specifications for the recording of single DVB Programs. The DVB data is delivered to the digital video cassette recorder via a Digital Interface or by a built-in tuner (IRD). The DVB data consists of an MPEG2 Transport Stream containing one or more programs.

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 24732

Tähtaeg: 2002-12-01

Identne IEC

60558:1982+A1:1987+A2:1993

ja identne HD 573 S1:1990 +

A1:1995

**Type C helical video tape recorders**

Defines the electrical and mechanical characteristics of equipment which will provide for interchangeability of recordings. The requirements given are related to 525 line-60 field and/or for 625 line-50 field systems. Applies to magnetic video recording and/or reproduction using 25.4 mm (1 in) tape on type C helical video tape recorders suitable for broadcast applications.

prEVS 26579

Tähtaeg: 2002-12-01

Identne EN 50221:1997

**Common interface specification for conditional access and other digital video broadcasting decoder applications**

A set of standards has been designed to be used in digital video broadcasting. These standards include source coding, channel coding service information and decoder interfaces. In addition, a conditional access system is used when there is a need to control access to a broadcast service. This specification only defines those aspects of the host that are required to completely specify the interactions across the interface.

prEVS 29793

Tähtaeg: 2002-12-01

Identne EN 50157-2-3:1998

**Domestic and similar electronic equipment interconnection requirements: A.V. link -- Part 2-3: System oriented application**

This document specifies the A.V. link mode 3 communication protocols.

prEVS 54280

Tähtaeg: 2002-12-01

Identne IEC 60602:1980+A1:1987

ja identne HD 574 S1:1990

**Type B helical video recorders**

Applies to magnetic video recording and/or reproducing using 25.4 mm (1 in) tape on type B helical-scan recorders suitable for broadcast applications. Defines the electrical and mechanical characteristics of equipment which will provide for interchangeability of recordings. The requirements given are related to 525 line-60 field and 625 line-50 field systems.

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**33.160.50**

**Lisaseadmed**

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**Accessories**

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 39431

Tähtaeg: 2002-12-01

Identne EN 50332-1:2000

**Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations Part 1: General method for "one package equipment"**

The object of this standard is to set up a suitable measuring methodology allowing accurate measurement of the maximum sound pressure level produced by consumer's headphones and earphones when associated with portable audio equipment.

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**33.160.60**

**Multimeedia süsteemid ja telekonverentsi seadmed**

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**Multimedia systems and teleconferencing equipment**

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**UUED STANDARDID**

**EVS-EN 61966-8:2002**

Hind 190,00

Identne IEC 61966-8:2001

ja identne EN 61966-8:2001

**Multimedia systems and equipment - Colour measurement and management - Part 8: Multimedia colour scanners**

Applies to the characterization and assessment of multimedia colour scanners used in computer systems, multimedia and similar applications. Defines measurement conditions, methods of measurement and characterization to facilitate colour management.

### **EVS-EN 61966-2-1:2002**

Hind 212,00

Identne IEC 61966-2-1:1999

ja identne EN 61966-2-1:2000

#### **Multimedia systems and equipment - Colour measurement and management - Partie 2-1: Colour management - Default RGB colour space - sRGB**

The IEC 61966 standards are a series of methods and parameters for colour measurements and management for use in multimedia systems and equipment applicable to the assessment of colour reproduction. This section of IEC 61966 is applicable to the encoding and communication of RGB colours used in computer systems and similar applications by defining encoding transformations for use in defined reference conditions.

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### **33.160.99**

#### **Muud audio- ja videoseadmed ning - süsteemid**

Other audio, video and audiovisual equipment

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### **UUED STANDARDID**

#### **EVS-EN 61866:2002**

Hind 283,00

Identne IEC 61866:1997

ja identne EN 61866:1997

#### **Audiovisual systems - Interactive text transmission system (ITTS)**

The interactive text transmission system (ITTS) provides the mechanism for encoding sound associated data on prerecorded media and for the transport of such data across equipment interfaces. This International standard defines the higher layers of ITTS, i.e. those system characteristics which are independent of the recording or interconnection medium.

#### **EVS-EN 61603-2:2002**

Hind 179,00

Identne IEC 61603-2:1997

ja identne EN 61603-2:1997

#### **Transmission of audio and/or video and related signals using infra-red radiation - Part 2: Transmission systems for audio wide band and related signals**

This part of IEC 61603 gives methods for measuring and specifying those characteristics of wide band audio IR transmission systems not covered by part 1 of this standard. It allows systems which make different economic use of the available bandwidth to be described in order that conclusions regarding interference and compatibility can be drawn.

#### **EVS-EN 61603-3:2002**

Hind 170,00

Identne IEC 61603-3:1997

ja identne EN 61603-3:1998

#### **Transmission of audio and/or video and related signals using infra-red radiation - Part 3: Transmission systems for audio signals for conference and similar systems.**

This part of IEC 61603 gives methods for measuring and specifying those characteristics of audio infra-red (IR) transmission systems for conference and similar systems which are not covered by part 1. It allows systems which make different economic use of the available bandwidth to be described in order that conclusions regarding interference and compatibility can be drawn.

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### **33.170**

#### **Televisiooni- ja raadiolevi**

Television and radio broadcasting

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### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54283

Tähtaeg: 2002-12-01

Identne IEC 60864-1:1986+ A1:1987

ja identne HD 577 S1:1990

#### **Standardization of interconnections between broadcasting transmitters or transmitter systems and supervisory equipment; Part 1: Interface standards for systems using dedicated interconnections**

Applies to all classes of transmitters for sound and television broadcasting. Deals with the interface between a transmitter (or system of transmitters) and the supervisory equipment which is intended to remotely monitor and/or control the transmitter(s). Details the interconnections and facilities to be provided with a view

to achieving compatibility between different types and makes of transmitters and supervisory equipment.

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### **33.180**

#### **Kiudoptiline side**

Fibre optic communications

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### **UUED STANDARDID**

#### **EVS-EN 61663-1:2002**

Hind 247,00

Identne IEC 61663-

1:1999+corr:1999

ja identne EN 61663-1:1999

#### **Lightning protection - Telecommunication lines - Part 1: Fibre optic installations**

The scope of this Standard is the protection against lightning of telecommunication lines in fibre optics installations. The object of this Standard is to limit the number of possible primary failures (3.1) occurring in the optical fibre cable in a specified installation within values which are lower than or equal to the limit value, defined as the accepted frequency of primary failures.

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### **33.180.01**

#### **Kiudoptikasüsteemid üldiselt**

Fibre optic systems in general

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### **UUED STANDARDID**

#### **EVS-EN 61315:2002**

Hind 295,00

Identne IEC 61315:1995

ja identne EN 61315:1997

#### **Calibration of fibre optic power meters**

Fibre optic power meters are designed to measure optical power from fibre optic sources as accurately as possible. This capability depends largely on the quality of the calibration process. This International Standard standardizes all of the steps involved in the calibration process. It also creates a standardized type of power meter specification which will make it easier to compare power meters from different vendors.

#### **EVS-EN 61281-1:2002**

Hind 229,00

Identne IEC 61281-1:1999

ja identne EN 61281-1:1999

**Fibre optic communication subsystems - Part 1: Generic specification**

This part of IEC 61281 is a generic specification for fibre optic communication subsystems (FOCSs), and is structured according to the IEC Quality Assessment System (IECQ).

**EVS-EN 62007-1:2002**

Hind 272,00

Identne IEC 62007-1+A1:1998

ja identne EN 62007-1:2000

**Semiconductor optoelectronic devices for fibre optic system applications - Part 1: Essential ratings and characteristics**

Gives the essential ratings and characteristics of the following categories of semiconductor optoelectronic devices to be used in the field of fibre optic systems and subsystems: semiconductor photoemitters, semiconductor photoelectric detectors, and monolithic or hybrid integrated optoelectronic devices and their modules.

**EVS-EN 62007-2:2002**

Hind 306,00

Identne IEC 62007-2 +A1:1998

ja identne EN 62007-2:2000

**Semiconductor optoelectronic devices for fibre optic system applications - Part 2: Measuring methods**

This part of IEC 62007 describes the measuring methods applicable to the semiconductor optoelectronic devices to be used in the field of fibre optic systems and subsystems.

**EVS-EN 61280-1-1:2002**

Hind 117,00

Identne IEC 61280-1-1:1998

ja identne EN 61280-1-1:1998

**Fibre optic communication subsystem basic test procedures - Part 1-1: Test procedures for general communication subsystems - Transmitter output optical power measurement for single-mode optical fibre cable**

This part of IEC 61280 applies to fibre optic general communication subsystems. The object of this part is to measure the optical power coupled from the output of a transmitter under test into single-mode optical fibre cable containing dispersion-unshifted fibre or dispersion-shifted fibre.

**EVS-EN 61280-1-3:2002**

Hind 170,00

Identne IEC 61280-1-3:1998

ja identne EN 61280-1-3:1999

**Fibre optic communication subsystem basic test procedures - Part 1-3: Test procedures for general communication subsystems - Central wavelength and spectral width measurement**

This object of this test procedure is to measure several wavelength and spectral width properties of an optical spectrum associated with a fibre optic communication subsystem.

**EVS-EN 61280-2-1:2002**

Hind 146,00

Identne IEC 61280-2-1:1998

ja identne EN 61280-2-1:1999

**Fibre optic communication subsystem basic test procedures - Part 2-1: Test procedures for digital systems - Receiver sensitivity and overload measurement**

This standard specifies a test procedure applicable to digital fibre optic communication systems. One object of this test procedure is to measure the minimum and maximum optical powers required and allowed at the input of a single-mode fibre optic system receiver connector to operate at specified BERs. Another object is to verify that the guaranteed error performance is obtained at the minimum and the maximum optical input powers specified by the terminal equipment manufacturer.

**EVS-EN 61280-2-2:2002**

Hind 212,00

Identne IEC 61280-2-2:1998

ja identne EN 61280-2-2:1999

**Fibre optic communication subsystem basic test procedures - Part 2-2: Test procedures for digital systems - Optical eye pattern, waveform, and extinction ratio**

The purpose of this part of IEC 61280 is to describe a test procedure to measure the eye pattern and waveform parameters such as rise time, fall time, overshoot, and extinction ratio. Alternatively, the waveform can be tested for compliance with a predetermined waveform mask.

**EVS-EN 61280-2-4:2002**

Hind 126,00

Identne IEC 61280-2-4:1998

ja identne EN 61280-2-4:1998

**Fibre optic communication subsystem basic test procedures - Part 2-4: Test procedures for digital systems - Bit-rate tolerance measurement**

The object of this test procedure is to measure the bit-rate tolerance of the fibre optic digital subsystem under specified conditions. Bit-rate tolerance is defined by the clock frequency range of the fibre optic digital subsystem which meet the specified bit error ratio.

**EVS-EN 61280-2-5:2002**

Hind 139,00

Identne IEC 61280-2-5:1998

ja identne EN 61280-2-5:1998

**Fibre optic communication subsystem basic test procedures - Part 2-5: Test procedures for digital systems - Jitter transfer function measurement**

The object of this test procedure is to measure the jitter transfer characteristics of an individual digital equipment as the ratio of the output jitter to the applied input jitter as a function of frequency.

**EVS-EN 61280-4-2:2002**

Hind 163,00

Identne IEC 61280-4-2:1999

ja identne EN 61280-4-2:1999

**Fibre optic communication subsystems basic test procedures - Part 4-2: Fibre optic cable plant - Single-mode fibre optic cable plant attenuation**

This document describes procedures to measure the optical attenuation (loss) performance of installed single-mode fibre optic cable plant. It is not intended for component testing, nor does it define those elements of an installation that must be measured. The document that invokes this procedure shall establish the requirements for installation, maintenance, repair and conformance testing

**EVS-EN 61290-2-2:2002**

Hind 146,00

Identne IEC 61290-2-2:1998

ja identne EN 61290-2-2:1998

**Optical fibre amplifiers - Basic specification - Part 2-2: Test methods for optical power parameters - Electrical spectrum analyzer**



This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the electrical spectrum analyzer test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

**EVS-EN 61290-2-3:2002**

Hind 146,00

Identne IEC 61290-2-3:1998

ja identne EN 61290-2-3:1998

**Optical fibre amplifiers - Basic specification - Part 2-3: Test methods for optical power parameters - Optical power meter**

This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical power meter test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

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**33.180.20**

**Kiudoptika liitmikud**

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Fibre optic interconnecting devices

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**UUED STANDARDID**

**EVS-EN 62077:2002**

Hind 212,00

Identne IEC 62077:2001

ja identne EN 62077:2001

**Fibre optic circulators - Generic specification**

Applies to fibre optic circulators, which are: - non-reciprocal optical devices - passive components - have three or more ports for directionally transmitting optical power. This standard establishes circulator requirements and quality assessment procedures.

**EVS-EN 62099:2002**

Hind 229,00

Identne IEC 62099:2001

ja identne EN 62099:2001

**Fibre optic wavelength switches - Generic specification**

Applies to fibre optic wavelength switches, which are: - passive optical devices, without optical amplification or opto-electronic conversion - restricted to the routing of light rather than intentional power division - have two or more ports with optical fibres or connectors. The standard establishes switch requirements and quality assessment procedures.

**EVS-EN 61274-1:2002**

Hind 190,00

Identne IEC 61274-1:1994

ja identne EN 61274-1:1997

**Fibre optic adaptors - Part 1: Generic specification**

This part of IEC 1274 relates to individual fibre optic adaptors. It covers the following types of adaptors: - adaptors for connecting a plug connector to an identical type of plug connector; - adaptors for connecting one type of plug connector to a different type of plug connector; - adaptors for connecting a fibre optic connector to their optical devices such as LEDs, switches, ect.

**EVS-EN 61300-1:2002**

Hind 170,00

Identne IEC 61300-1:1995

ja identne EN 61300-1:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance**

This part of IEC 1300 contains a series of environmental test and measurement procedures and, in some cases, preferred severities designed to assess the ability of fibre optic interconnecting devices and passive components to perform under expected service conditions. Although primarily intended for such applications, the present part may be used in other fields where desired.

**EVS-EN 61314-1:2002**

Hind 190,00

Identne IEC 61314-1:1995

ja identne EN 61314-1:1997

**Fibre optic fan-outs - Generic specification**

This specification applies to fibre optic fan-outs. It includes: fibre optic fan-out requirements quality assessment procedures

**EVS-EN 62005-1:2002**

Hind 179,00

Identne IEC 62005-1:2001

ja identne EN 62005-1:2001

**Reliability of fibre optic interconnecting devices and passive components - Part 1: Introductory guide and definitions**

Is a guide for assessing the reliability of all types of fibre-optic interconnecting devices and passive optical components. It applies to passive devices for connection, branching, switching, minimization of reflection, control of power/attenuation, dispersion compensation, modulation and wavelength selection or filtering.

**EVS-EN 62005-2:2002**

Hind 190,00

Identne IEC 62005-2:2001

ja identne EN 62005-2:2001

**Reliability of fibre optic interconnecting devices and passive components - Part 2: Quantitative assessment of reliability based on accelerated ageing tests; Temperature and humidity, steady state**

Defines a basis for reliability tests for passive optical components. It provides advice on life testing procedures, the calculation of failure rates and presentation of results. A worked example illustrates the method of calculating the instantaneous failure rate for a device during its service lifetime, based on accelerated life tests.

**EVS-EN 62005-3:2002**

Hind 179,00

Identne IEC 62005-3:2001

ja identne EN 62005-3:2001

**Reliability of fibre optic interconnecting devices and passive components - Part 3: Relevant tests for evaluating failure modes and failure mechanisms for passive components**

Applies to failure mechanisms for interconnecting devices and passive components. It introduces a choice of relevant tests from the IEC 61300 series tests for each known failure mechanism and failure effects. See IEC 62005-5 for the extension of severity for environmental categories.

**EVS-EN 62005-4:2002**

Hind 92,00

Identne IEC 62005-4:1999

ja identne EN 62005-4:1999

**Reliability of fibre optic interconnecting devices and passive optical components - Part 4: Product screening**

Top secret Describes product screening. A proper product screen is actually a process, not a test. As a process, it is maintained and constantly validated to ensure it achieves the purpose for which it was defined. This process is applied to a product in order to induce products with a known failure mechanism, to fail in a controlled situation before the product is deployed in the field. If this process is properly applied, then all infant mortality failures in the field, associated with the failure mechanism(s) for the screen, will be eliminated.

**EVS-EN 61274-1-1:2002**

Hind 130,00

Identne IEC 61274-1-1:1994

ja identne EN 61274-1-1:1997

**Fibre optic adaptors - Part 1-1: Blank detail specification**

This blank detail specification is not, by itself, a specification. It is part of IEC 1274-1 (QC 860000): Generic specification. It includes a blank worksheet with instructions for preparing detail specifications.

**EVS-EN 61300-2-1:2002**

Hind 92,00

Identne IEC 61300-2-1:1995

ja identne EN 61300-2-1:1997

**Fibre optic interconnecting devices and passive**

**components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)**

The purpose of this part of IEC 1300 is to evaluate the effects of vibration on fibre optic devices at the predominant frequency ranges and magnitudes that may be encountered during field service. Most vibration encountered in field service is not of a simple harmonic nature. However, tests based on vibrations of this type have proved satisfactory to simulate actual field service.

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

Hind 92,00

Identne IEC 61300-2-2:1995

ja identne EN 61300-2-2:1997

**Fibre optic interconnecting devices and passive**

**components - Basic test and measurement procedures - Part 2-2: Tests - Mating durability**

The purpose of this part of IEC 1300 is to evaluate the effects of a number of successive cycles of engagement and separation of fibre optic connectors or other interconnecting devices

**EVS-EN 61300-2-3:2002**

Hind 83,00

Identne IEC 61300-2-3:1995

ja identne EN 61300-2-3:1997

**Fibre optic interconnecting devices and passive**

**components - Basic test and measurement procedures - Part 2-3: Tests - Static shear load**

The purpose of this part of IEC 1300 is applicable to fibre optic device with connectors and/or panelmounted connector sets. The purpose of this procedure is to ensure that the connector set will withstand shearing forces likely to be applied during normal service. The force may be applied to the connector set, component housing, or other specified part.

**EVS-EN 61300-2-4:2002**

Hind 92,00

Identne IEC 61300-2-4:1995

ja identne EN 61300-2-4:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre/cable retention**

The purpose of this part of IEC 1300 is to ensure that the captivation or attachment of the fibre/cable to a fibre optic device will withstand tensile loads likely to be applied during normal service.

**EVS-EN 61300-2-5:2002**

Hind 109,00

Identne IEC 61300-2-5:1995

ja identne EN 61300-2-5:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion/twist**

The purpose of this test is to determine the ability of the captivation or attachment of the cable to the device under test to withstand torsional loads while under tension as might be experienced during installation and normal service

**EVS-EN 61300-2-6:2002**

Hind 101,00

Identne IEC 61300-2-6:1995

ja identne EN 61300-2-6:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures - Part 2-6: Tests - Tensile strength of coupling mechanism**

The purpose of this part of IEC 1300 is to ensure that the coupling mechanism of a connector set or connector-device combination will withstand the axial loads likely to be applied during normal service

**EVS-EN 61300-2-7:2002**

Hind 83,00

Identne IEC 61300-2-7:1995

ja identne EN 61300-2-7:1997

**Fibre optic interconnection devices and passive**

**components - Basic test and measurement procedures - Part 2-7: Tests - Bending moment**

The purpose of this part of IEC 1300 is to ensure that coupling mechanism of an optical connector set or other optical device combination will withstand a bending moment likely to be applied during normal service

**EVS-EN 61300-2-8:2002**

Hind 83,00

Identne IEC 61300-2-8:1995

ja identne EN 61300-2-8:1997

**Fibre optic interconnection devices and passive**

**components - Basic test and measurement procedures - Part 2-8: Tests - Bump**

The purpose of this part of IEC 1300 is to reveal mechanical weakness and/or degradation of fibre optic devices when subjected to repetitive shocks. It simulates repetitive shocks likely to be encountered by the devices during normal service.

**EVS-EN 61300-2-9:2002**

Hind 83,00

Identne IEC 61300-2-9:1995

ja identne EN 61300-2-9:1997

**Fibre optic interconnecting devices and passive**

**components - Basic test and measurement procedures - Part 2-9: Tests - Shock**

The purpose of this part of IEC 1300 is to reveal mechanical weakness and/or degradation of fibre optic devices when subjected to non-repetitive mechanical shocks. It simulates infrequent non-repetitive shocks likely to be encountered in normal service or during transportation.

**EVS-EN 61300-3-1:2002**

Hind 83,00

Identne IEC 61300-3-1:1995

ja identne EN 61300-3-1:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-1: Examinations and measurements - Visual examination**

The purpose of this part of IEC 1300 is to provide the criteria for the visual and mechanical examination of the fibre optic devices when coupled with specific information and requirements detailed in the generic and detail specification. The examination method may be used at any stage of the qualification or quality conformance inspection test sequence, as a stand-alone test or for examination before and after an environmental (primary) test.

**EVS-EN 61300-3-2:2002**

Hind 170,00

Identne IEC 61300-3-2:1999

ja identne EN 61300-3-2:1999

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-2: Examinations and measurements Polarization dependence of attenuation in a single-mode fibre optic device**

The object of this part of IEC 1300 is to determine the dependence of single-mode fibre optic devices with regard to changes in polarization. This measurement can be applied to any single-mode interconnecting device and passive component, including connectors, splices, couplers, attenuators, isolators and switches. It is used to measure the total range of attenuation, Delta a, due to changes in polarization of the launch state. For branching devices, it can be used to measure the total range of coupling ratio, Delta CR(i).

**EVS-EN 61300-3-3:2002**

Hind 170,00

Identne IEC 61300-3-3:1997

ja identne EN 61300-3-3:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-3: Examination and measurements - Monitoring change in attenuation and in return loss (multiple paths)**

This part of IEC 1300 describes the procedure to measure the change in attenuation and in return loss of a component as it is subjected to an environmental test (primary test). Since it is customary to test a group of components in this type of test over periods of time, this measurement procedure and associated equipment are designed to monitor many components in the same procedure and to employ automated data acquisition.

**EVS-EN 61300-3-4:2002**

Hind 179,00

Identne IEC 61300-3-4:2001

ja identne EN 61300-3-4:2001

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examination and measurements - Attenuation**

This part of IEC 61300 defines methods for measuring attenuation. This measurement of attenuation aims to provide a value for the decrease of useful power, expressed in decibels, resulting from the insertion of a device under test (DUT) within a length of optical fibre cable. The term insertion loss is sometimes used in place of attenuation.

**EVS-EN 61300-3-5:2002**

Hind 92,00

Identne IEC 61300-3-5:2000

ja identne EN 61300-3-5:2001

**Fibre optic interconnecting devices and passive components - Basic tests and measurement procedures - Part 3-5: Examinations and measurements; Wavelength dependence of attenuation**

Aims at measuring the wavelength dependence of the attenuation of a single mode fibre optic device. Can also be used to measure the wavelength dependence of the coupling ratio.

**EVS-EN 61300-3-6:2002**

Hind 247,00

Identne IEC 61300-3-6:1997+

A1:1998+A2:1999

ja identne EN 61300-3-6:1997+

A1:1998+A2:1999

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss**

This part of IEC 1300 presents procedures for the measurement of the return loss of a fibre optic device under test DUT. Return loss, as used in this standard, is the ratio of the power incident on, or entering the DUT, to the total power reflected by the DUT, expressed in decibels.

**EVS-EN 61300-3-7:2002**

Hind 101,00

Identne IEC 61300-3-7:2000

ja identne EN 61300-3-7:2001

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-7: Examinations and measurements; Wavelength dependence of attenuation and return loss**

Aims at measuring the wavelength dependence of attenuation and the return loss in a single mode fibre optic device, at the same time.

**EVS-EN 61300-3-8:2002**

Hind 101,00

Identne IEC 61300-3-8:1995

ja identne EN 61300-3-8:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-8: Examinations and measurements - Ambient light susceptibility**

The purpose of this part of IEC 1300 is to measure the susceptibility of a fibre optic device to the coupling of light into the optical channel(s) from external light sources.

**EVS-EN 61300-3-9:2002**

Hind 109,00

Identne IEC 61300-3-9:1997

ja identne EN 61300-3-9:1997

**Fibre optic interconnection devices and passive components. Basic test and measurement procedures - Part 3-9: Examinations and measurements - Far-end crosstalk**

This part of IEC 1300 describes the procedure to measure the far-end crosstalk of light between channels of a multiport MxN or 1xN fibre optic passive components (switch, WDM or, in particular cases, fan-out). The far-end crosstalk is defined as the ratio of the optical power that goes out from a given output port to an optical power that goes out from

another output port, nominally isolated from the previous one.

**EVS-EN 61300-2-10:2002**

Hind 92,00

Identne IEC 61300-2-10:1995  
ja identne EN 61300-2-10:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-10: Tests - Crush resistance**

The purpose of this part of IEC 1300 is to evaluate the effect of loads which might occur when fibre optic devices are exposed to critical situations such as being stepped on, being run over by vehicle tyres, etc.

**EVS-EN 61300-2-11:2002**

Hind 92,00

Identne IEC 61300-2-11:1995  
ja identne EN 61300-2-11:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-11: Tests - Axial compression**

The purpose of this part of IEC 1300 is to ensure that the captivation or the attachment of the cable to the fibre optic device will withstand compressive loads likely to be applied during normal service.

**EVS-EN 61300-2-12:2002**

Hind 109,00

Identne IEC 61300-2-12:1995  
ja identne EN 61300-2-12:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-12: Tests - Impact**

The purpose of this part of IEC 1300 is to evaluate the ability of a fibre optic device to withstand impacts likely to be encountered during usage. The impact may be a localized impact, a series of impacts with hard objects, or an impact normally associated with dropping the device.

**EVS-EN 61300-2-13:2002**

Hind 83,00

Identne IEC 61300-2-13:1995  
ja identne EN 61300-2-13:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-13: Tests - Acceleration**

The purpose of this part of IEC 1300 is to evaluate the effects of steady-state acceleration on fibre optic device at the magnitudes that may be encountered during usage.

**EVS-EN 61300-2-14:2002**

Hind 101,00

Identne IEC 61300-2-14:1997  
ja identne EN 61300-2-14:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - Maximum input power**

This part of IEC 1300 describes the test which estimates the level of optical power that a fibre optic component can transmit without sustaining permanent damage or without sustaining temporary performance degradation due to non-linear optical effects.

**EVS-EN 61300-2-15:2002**

Hind 101,00

Identne IEC 61300-2-15:1995  
ja identne EN 61300-2-15:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-15: Tests - Torque strength of coupling mechanism**

The purpose of this part of IEC 1300 is to apply an overload torque to twist-type coupling mechanisms. It is applicable to threaded or bayonet-twist type coupling mechanisms. It can be used to ensure that coupling mechanism of a connector set or connector-device combination will withstand the torsional loads likely to be applied during normal service.

**EVS-EN 61300-2-16:2002**

Hind 92,00

Identne IEC 61300-2-16:1995  
ja identne EN 61300-2-16:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-16: Tests - Mould growth**

The purpose of this part of IEC 1300 is to determine the effects of mould growth on the optical and mechanical properties of a fibre optic device. It investigates unforeseen causes of deterioration in specimens, whether or not these are constructed from mould-resistant materials, by the application of either of two test variants as prescribed severities.

**EVS-EN 61300-2-17:2002**

Hind 92,00

Identne IEC 61300-2-17:1995  
ja identne EN 61300-2-17:1997

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

The purpose of this part of IEC 1300 is to determine the suitability of a fibre optic device to withstand the environmental condition of extended low temperature (cold) which may occur in actual use, storage and/or transport. The procedure does not permit the assessment of the ability of these devices to withstand or operate during temperature variations; in this case, IEC 1300-2-22 would be used.

**EVS-EN 61300-2-18:2002**

Hind 92,00

Identne IEC 61300-2-18:1995  
ja identne EN 61300-2-18:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-18: Tests - Dry heat - High-temperature endurance**

The purpose of this part of IEC 1300 is to determine the suitability of a fibre optic device to withstand the environmental condition of extended high temperature (dry heat) which may occur in actual use, storage and/or transport. The procedure does not permit the assessment of the ability of these devices to withstand or operate during temperature variations (in this case, see IEC 1300-2-22).

**EVS-EN 61300-2-19:2002**

Hind 92,00

Identne IEC 61300-2-19:1995  
ja identne EN 61300-2-19:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-19: Tests - Damp heat (steady state)**

The purpose of this part of IEC 1300 is to determine the suitability of a fibre optic device to withstand the environmental condition of high humidity and high temperature which may occur in actual use, storage and/or transport. The test is primarily intended to permit the observation of effects of high humidity at constant temperature over a given period.

**EVS-EN 61300-2-21:2002**

Hind 83,00

Identne IEC 61300-2-21:1995

ja identne EN 61300-2-21:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-21: Tests - Composite temperature-humidity cyclic test**

The purpose of this part of IEC 1300 is to determine in an accelerated manner the resistance of a fibre optic device to the deteriorative effects of high temperature, humidity and cold conditions.

**EVS-EN 61300-2-22:2002**

Hind 83,00

Identne IEC 61300-2-22:1995

ja identne EN 61300-2-22:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-22: Tests - Change of temperature**

The purpose of this part of IEC 1300 is to determine the suitability of a fibre optic device to withstand the effects of change of temperature or a succession of temperature. Two test methods are described.

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

Hind 101,00

Identne IEC 61300-2-23:1995

ja identne EN 61300-2-23:1997

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

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

**EVS-EN 61300-2-24:2002**

Hind 170,00

Identne IEC 61300-2-24:1999

ja identne EN 61300-2-24:2000

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-24: Tests - Screen testing of ceramic alignment split sleeve by stress application**

Identifies weaknesses in a ceramic alignment split sleeve which could lead to early failure of the component.

**EVS-EN 61300-2-25:2002**

Hind 83,00

Identne IEC 61300-2-25:1995

ja identne EN 61300-2-25:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-25: Tests - Sealing endurance for closures**

The purpose of this part of IEC 1300 is to determine the long-term properties of the sealing system of closures, especially if they are used in pressurized cable networks.

**EVS-EN 61300-2-26:2002**

Hind 92,00

Identne IEC 61300-2-26:1995

ja identne EN 61300-2-26:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-26: Tests - Salt mist**

The purpose of this part of IEC 1300 is to compare the resistance to deterioration of fibre optic devices of similar construction in a controlled salt-laden atmosphere.

**EVS-EN 61300-2-27:2002**

Hind 92,00

Identne IEC 61300-2-27:1995

ja identne EN 61300-2-27:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-27: Tests - Dust - Laminar flow**

The purpose of this part of IEC 1300 is to determine the effect of dust on fibre optic devices

**EVS-EN 61300-2-28:2002**

Hind 83,00

Identne IEC 61300-2-28:1995

ja identne EN 61300-2-28:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-28: Tests - Industrial atmosphere (sulphur dioxide)**

The purpose of this part of IEC 1300 is to assess the corrosive effects of atmospheres polluted with sulphur dioxide on fibre optic devices. The procedure is only suitable for comparative purposes. It can be considered a general corrosion test which may not

predict the behaviour of the devices in use.

**EVS-EN 61300-2-29:2002**

Hind 83,00

Identne IEC 61300-2-29:1995

ja identne EN 61300-2-29:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-29: Tests - Low air pressure**

The purpose of this part of IEC 1300 is to determine the effect on a fibre optic device of reduced air pressure, such as might be encountered at high altitudes.

**EVS-EN 61300-2-30:2002**

Hind 92,00

Identne IEC 61300-2-30:1995

ja identne EN 61300-2-30:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-30: Tests - Solar radiation**

The purpose of this part of IEC 1300 is to assess the effects of solar radiation on the materials of a fibre optic device. It is intended to simulate the radiation experienced at the surface of the earth.

**EVS-EN 61300-2-31:2002**

Hind 139,00

Identne IEC 61300-2-31:1995

ja identne EN 61300-2-31:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-31: Tests - Nuclear radiation**

The purpose of this part of IEC 1300 is to assess the effect of gamma radiation on fibre optic devices.

**EVS-EN 61300-2-32:2002**

Hind 83,00

Identne IEC 61300-2-32:1995

ja identne EN 61300-2-32:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-32: Tests - Water vapour permeation**

The purpose of this part of IEC 1300 is to determine the suitability of closures for use in wet environments including underwater submersion. The test is suitable for closures only.

**EVS-EN 61300-2-33:2002**

Hind 83,00

Identne IEC 61300-2-33:1995

ja identne EN 61300-2-33:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-33: Tests - Assembly and disassembly of closures**

The purpose of this part of IEC 1300 is to evaluate the suitability of a closure to be assembled and reassembled a specified number of times during its service lifetime.

**EVS-EN 61300-2-34:2002**

Hind 92,00

Identne IEC 61300-2-34:1995

ja identne EN 61300-2-34:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-34: Tests - Resistance to solvents and contaminating fluids**

The purpose of this part of IEC 1300 is to establish the ability of a fibre optic device to resist degradation when exposed to specific solvents or contaminating fluids with which the component may come into contact during its service life.

**EVS-EN 61300-2-35:2002**

Hind 92,00

Identne IEC 61300-2-35:1995

ja identne EN 61300-2-35:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-35: Tests - Cable nutation**

The purpose of this part of IEC 1300 is to ensure that captivation or the attachment of the cable to the fibre optic device will withstand combined flexing-rotation movements and a tensile force likely to be applied during normal service.

**EVS-EN 61300-2-36:2002**

Hind 83,00

Identne IEC 61300-2-36:1995

ja identne EN 61300-2-36:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-36: Tests - Flammability (fire hazard)**

The purpose of this part of IEC 1300 is to verify the flammability of materials

**EVS-EN 61300-2-37:2002**

Hind 83,00

Identne IEC 61300-2-37:1995

ja identne EN 61300-2-37:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-37: Tests - Cable bending for closures**

The purpose of this part of IEC 1300 is to evaluate the effectiveness of the sealing and clamping hardware of a cable splice closure when the cable entering the closure is subjected to bending

**EVS-EN 61300-2-38:2002**

Hind 83,00

Identne IEC 61300-2-38:1995

ja identne EN 61300-2-38:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-38: Tests - Sealing for pressurized closures of fibre optic devices**

The purpose of this part of IEC 1300 is to test the airtightness of a closure of fibre optic devices.

**EVS-EN 61300-2-39:2002**

Hind 101,00

Identne IEC 61300-2-39:1997

ja identne EN 61300-2-39:1997

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures - Part 2-39: Tests - Susceptibility to external magnetic fields**

This part of IEC 1300 describes the test to measure a component's susceptibility to a change in optical performance when an external magnetic field is exerted on it.

**EVS-EN 61300-2-40:2002**

Hind 117,00

Identne IEC 61300-2-40:2000

ja identne EN 61300-2-40:2000

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-40: Tests; Screen testing of attenuation of single-mode tuned angled optical connectors**

This test is intended to screen singlemode tuned connectors against tuning errors. It is applicable to single mode angled connectors which are equipped with a tuning mechanism. The tests ensure that the plugs passing this test have attenuations lower than Amax when they are randomly mated to each others of the same type.

**EVS-EN 61300-2-41:2002**

Hind 146,00

Identne IEC 61300-2-41:1998

ja identne EN 61300-2-41:1998

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-41: Tests - Screen testing of attenuation of single-mode tuned non-angled optical fibre connectors**

The screen test is prepared for single-mode non-angled optical fibre connectors which are tuneable. The purpose of this part of IEC 61300 is to ensure that tuned plugs have been optimally adjusted. The procedures described in this test are applicable for both optical patch cords and pigtailed cords.

**EVS-EN 61300-2-42:2002**

Hind 83,00

Identne IEC 61300-2-42:1998

ja identne EN 61300-2-42:1998

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-42: Tests - Static side load for connectors**

The purpose of this part of IEC 61300 is to determine the influence of a side load applied by a length of cable to a connector plug which is inserted in an adaptor mounted in a patch panel.

**EVS-EN 61300-2-43:2002**

Hind 146,00

Identne IEC 61300-2-43:1999

ja identne EN 61300-2-43:1999

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-43: Tests - Screen testing of return loss of single mode PC optical fibre connectors**

The purpose of this part of IEC 1300 is to screen single mode physical contact (PC) optical fibre connectors of an optical patch cord and an optical pigtail cord in terms of return loss, thus to ensure the minimum return loss when the connectors are randomly concatenated each other in the fields.

**EVS-EN 61300-2-45:2002**

Hind 92,00

Identne IEC 61300-2-45:1999

ja identne EN 61300-2-45:1999

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures.**

**Part 2-45: Tests - Durability test by water immersion**

The purpose of this part of IEC 1300 is to establish the ability of a fibre optic component to resist degradation when exposed to water immersion which the component may experience during its service life.

**EVS-EN 61300-3-10:2002**

Hind 83,00

Identne IEC 61300-3-10:1995

ja identne EN 61300-3-10:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-10: Examinations and measurements - Gauge retention force**

The purpose of this part of IEC 1300 is to ensure that the characteristics of resilient members, usually contained in optical connector sleeves, couplings or plugs are satisfactory when it is impractical to specify them using size dimensions

**EVS-EN 61300-3-11:2002**

Hind 83,00

Identne IEC 61300-3-11:1995

ja identne EN 61300-3-11:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-11: Examinations and measurements - Engagement and separation forces**

The purpose of this part of IEC 1300 is to measure the forces or torques which are required to fully couple or uncouple an optical connector set

**EVS-EN 61300-3-12:2002**

Hind 117,00

Identne IEC 61300-3-12:1997

ja identne EN 61300-3-12:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-12: Examinations and measurements - Polarization dependence of attenuation of a single-mode fibre optical component: matrix calculation method**

This part of IEC 1300 describes the test to determine the dependence attenuation of singlemode fibre optic components to changes in the state of the polarization of the input light. The value given by this test is the maximum variation in loss over all states of polarization of the launch light into the component under test (DUT).

**EVS-EN 61300-3-13:2002**

Hind 101,00

Identne IEC 61300-3-13:1995

ja identne EN 61300-3-13:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-13: Examinations and measurements - Control stability of a fibre optic switch**

The purpose of this part of IEC 1300 is to measure the change in the optical characteristics of a switch in a given state as the activation energy is varied. The measurement is conducted to ensure that the switch states are stable and insensitive to variations in the applied activation energy.

**EVS-EN 61300-3-14:2002**

Hind 117,00

Identne IEC 61300-3-14:1995

ja identne EN 61300-3-14:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-14: Examinations and measurements - Accuracy and repeatability of the attenuation settings of a variable attenuator**

**EVS-EN 61300-3-15:2002**

Hind 109,00

Identne IEC 61300-3-15:1995

ja identne EN 61300-3-15:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-15: Examinations and measurements - Eccentricity of a convex polished ferrule endface**

This object of this part of IEC 1300 is to describe measurements of dome eccentricity of a spherically polished ferrule endface. Two procedures are presented: a Newton ring method and an interference method.

**EVS-EN 61300-3-16:2002**

Hind 126,00

Identne IEC 61300-3-16:1995

ja identne EN 61300-3-16:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-16: Examinations and measurements - Endface radius of spherically polished ferrules**

The object of this part of IEC 1300 is to describe procedures for measuring the radius of the endface of a spherically polished ferrule.

**EVS-EN 61300-3-17:2002**

Hind 170,00

Identne IEC 61300-3-17:1999

ja identne EN 61300-3-17:1999

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-17: Examinations and measurements - Endface angle of angle-polished ferrules**

**EVS-EN 61300-3-18:2002**

Hind 101,00

Identne IEC 61300-3-18:1995

ja identne EN 61300-3-18:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-18: Examinations and measurements - Keying accuracy of an angled endface connector**

The object of this part of IEC 1300 is to describe a method to measure the angular rotational misalignment of the ferrule mating surface of an angled endface connector and its design orientation angle with respect to its key.

**EVS-EN 61300-3-19:2002**

Hind 130,00

Identne IEC 61300-3-19:1997

ja identne EN 61300-3-19:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-19: Examinations and measurements - Polarization dependence of return loss of a single mode fibre optic component**

This part of IEC 1300 describes the test to determine the dependence of return loss of a single-mode fibre optic component on the state of polarization (SOP) of the light passing through the component.

**EVS-EN 61300-3-21:2002**

Hind 92,00

Identne IEC 61300-3-21:1998

ja identne EN 61300-3-21:1998

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures - Part 3-21: Examinations and measurements - Switching time and bounce time**

The purpose of this part of IEC 61300 is to measure the switching time and bounce time of the output signal from a port of an optical switch when the actuation energy is supplied or removed to change the state of the switch.

**EVS-EN 61300-3-22:2002**

Hind 92,00

Identne IEC 61300-3-22:1997

ja identne EN 61300-3-22:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-22: Examinations and measurements - Ferrule compression force**

This part of IEC 1300 describes the procedure to measure the spring-loaded force applied to a ferrule when the plugs mate with each other during normal service. This measurement procedure is applicable to a connector plug which has a spring-loaded ferrule.

**EVS-EN 61300-3-23:2002**

Hind 179,00

Identne IEC 61300-3-23:1998

ja identne EN 61300-3-23:1998

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-23: Examination and measurements - Fibre position relative to ferrule endface**

The purpose of the procedure described in this part of IEC 61300 is to measure the fibre position relative to the ferrule endface of a spherically polished ferrule, that is a fibre undercut or a fibre protrusion.

The purpose of the procedure described in this part of IEC 61300 is to measure the fibre position relative to the ferrule endface of a spherically polished ferrule, that is a fibre undercut or a fibre protrusion.

**EVS-EN 61300-3-24:2002**

Hind 130,00

Identne IEC 61300-3-24:1999

ja identne EN 61300-3-24:2000

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-24: Measurements - Keying accuracy of optical connectors for polarisation maintaining fibre**

The purpose of this procedure is to measure the keying accuracy of an polarization maintaining fibre connector.

**EVS-EN 61300-3-25:2002**

Hind 109,00

Identne IEC 61300-3-25:1997

ja identne EN 61300-3-25:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-25: Examinations and measurements - Concentricity of the ferrules and ferrules with fibre installed**

This part of IEC 1300 describes the procedure to determine the concentricity of the inner diameter of a ferrule relative to the outer diameter, or in the case of ferrules with fibre installed, to determine the concentricity of the fibre core axis with the outer diameter of the ferrule.

**EVS-EN 61300-3-27:2002**

Hind 101,00

Identne IEC 61300-3-27:1997

ja identne EN 61300-3-27:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-27: Examinations and measurements - Measurement method for the hole location of a multiway connector plug**

The object of this part of IEC 61300 is to measure the hole location of a multiway connector plug which has multiple fibre holes for arraying fibres and two guide holes for positioning two alignment pins. The following dimensions on the endface of the plug shall be accurately measured

to satisfy the specified mechanical and optical performance of the connector: - Distance between two guide-hole centres (L) - Position deviation of each fibre-hole centre (Pi)

**EVS-EN 61300-3-33:2002**

Hind 126,00

Identne IEC 61300-3-33:1999

ja identne EN 61300-3-33:1999

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 3-33: Examination and measurements - Ferrule withdrawal force**

The purpose of the procedure is to measure the fibre position relative to the ferrule endface of a spherically polished ferrule, that is a fibre undercut or a fibre protrusion.

**EVS-EN 61300-3-34:2002**

Hind 109,00

Identne IEC 61300-3-34:2001

ja identne EN 61300-3-34:2002

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-34: Examinations and measurements - Attenuation of random mated connectors**

The object of this part of IEC 61300 is to describe a measurement procedure to evaluate the decrease in optical power expressed in decibels, which results when a patchcord connector set, with like connectors at both ends, is randomly inserted into a length of optical fibre. The measured parameter is the attenuation, sometimes designated as insertion loss of the component. For this measurement standard reference connector sets are not required.

**EVS-EN 61300-3-36:2002**

Hind 130,00

Identne IEC 61300-3-36:2000

ja identne EN 61300-3-36:2000

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-36: Examinations and measurements - Measurement methods of the inside and outside diameters of fibre optic connector ferrules**



The purpose of this procedure is to inspect and measure the inside diameter of the precision hole of fibre optic connector ferrules. The precision hole aligns and position the optical fibre inside the ferrule. The procedure described here uses the: "GO" and "NO-GO" gauging technique.

**EVS-EN 61300-3-39:2002**

Hind 139,00

Identne IEC 61300-3-39:1997  
ja identne EN 61300-3-39:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-39: Examinations and measurements - PC optical connector reference plug selection**

The object of this part of IEC 61300 is to select Physical Contact (PC) optical connector plugs to be used as the reference plug in the return loss RL measurement and to define an acceptance return loss value RLa to be used in plug acceptance testing. This procedure is used to guarantee a certain return loss value RL when two plugs are randomly mated together.

**EVS-EN 61300-3-40:2002**

Hind 101,00

Identne IEC 61300-3-40:1998  
ja identne EN 61300-3-40:1998

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-40: Examinations and measurements - Extinction ratio of a polarization maintaining (pm) fibre pigtailed connector**

This part of IEC 61300 describes the procedure to measure the ability of an optical fibre connector to maintain a given extinction ratio across the connection in pm fibre. In this test we limit the measurement to the most common case of nearly linearly polarized light propagating in pm fibre.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 22440

Tähtaeg: 2002-12-01

Identne IEC 61313-1:1995

ja identne EN 61313-1:1997

**Fibre optic passive components and cable assemblies - Part 1: Capability approval - Generic specification**

This specification applies to fibre optic passive components and cable assemblies for delivery under the capability approval procedure. It includes: - components and cable assembly requirements; -

quality assessment procedures prEVS 54255

Tähtaeg: 2002-12-01

Identne IEC 61300-3-26:1997

ja identne EN 61300-3-26:1997

**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-26: Examinations and measurements - Measurement of the angular misalignment between fibre and ferrules axes**

Describes the procedure for the measurement of the angular misalignment between the fibre and the ferrule axes in a cylindrical ferrule for singlemode fibre optic connectors with fibre installed.

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**33.180.30**

**Kiudoptikasüsteemid**

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**Optic amplifiers**

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**UUED STANDARDID**

**EVS-EN 61290-3:2002**

Hind 139,00

Identne IEC 61290-3:2000

ja identne EN 61290-3:2000

**Optical fibre amplifiers - Basic specification - Part 3: Test methods for noise figure parameters**

This International Standard applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this International Standard is to provide the general background for OFA noise figure parameters measurements and to indicate those IEC standard test methods for accurate and reliable measurements of the following OFA parameters, as defined in clause 3 of IEC 61291-1.

**EVS-EN 61291-2:2002**

Hind 139,00

Identne IEC 61291-2:2000

ja identne EN 61291-2:2000

**Optical fibre amplifiers - Part 2: Digital applications;**

**Performance specification template**

This performance specification template applies to optical fibre amplifier (OFA) devices and sub-systems to be used in digital applications. The object of this performance specification template is to provide a frame for the preparation of detail specifications on the performances of OFA devices and sub-systems to be used in digital applications.

**EVS-EN 61290-5-1:2002**

Hind 146,00

Identne IEC 61290-5-1:2000

ja identne EN 61290-5-1:2000

**Optical fibre amplifiers - Basic specification - Part 5-1: Test methods for reflectance parameters; Optical spectrum analyser**

This International Standard applies to Optical Fibre Amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this International Standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical spectrum analyzer test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

**EVS-EN 61290-6-1:2002**

Hind 139,00

Identne IEC 61290-6-1:1998

ja identne EN 61290-6-1:1998

**Optical fibre amplifiers - Basic specification - Part 6-1: Test methods for pump leakage parameters - Optical demultiplexer**

This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical demultiplexer test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

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**33.180.99**

**Muud kiudoptikaseadmed**

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**Other fibre optic equipment**

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**UUED STANDARDID**

**EVS-EN 61291-1:2002**

Hind 199,00

Identne IEC 61291-1:1998

ja identne EN 61291-1:1998

### **Optical fibre amplifiers - Part 1: Generic specification**

This part of IEC 61291 applies to optical fibre amplifiers (OFAs) and optically amplified, elementary subsystems. It applies only to OFAs using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is: - to establish uniform requirements for transmission, operation, reliability and environmental properties of OFAs; - to provide assistance to the purchaser in the selection of consistently high-quality OFA products for his particular applications.

**EVS-EN 61290-1-1:2002**

Hind 163,00

Identne IEC 61290-1-1:1998

ja identne EN 61290-1-1:1998

### **Optical fibre amplifiers - Basic specification - Part 1-1: Test methods for gain parameters - Optical spectrum analyzer**

This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical spectrum analyzer test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

**EVS-EN 61290-1-3:2002**

Hind 163,00

Identne IEC 61290-1-3:1998

ja identne EN 61290-1-3:1998

### **Optical fibre amplifiers - Basic specification - Part 1-3: Test methods for gain parameters - Optical power meter**

This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical power meter test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

**EVS-EN 61290-2-1:2002**

Hind 146,00

Identne IEC 61290-2-1:1998

ja identne EN 61290-2-1:1998

### **Optical fibre amplifiers - Basic specification - Part 2-1: Test methods for optical power parameters - Optical spectrum analyzer**

This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the optical spectrum analyzer test method, of the OFA parameters, as defined in clause 3 of IEC 61291-1.

**EVS-EN 61290-7-1:2002**

Hind 126,00

Identne IEC 61290-7-1:1998

ja identne EN 61290-7-1:1998

### **Optical fibre amplifiers - Basic specification - Part 7-1: Test methods for out-of-band insertion losses - Filtered optical power meter**

This part of IEC 61290 applies to optical fibre amplifiers (OFAs) using active fibres, containing rare-earth dopants, presently commercially available. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the filtered optical power meter test method, of the following OFA parameters, as defined in clause 3 of IEC 61291-1.

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**33.200**

## **Telemehaanika**

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### **Telecontrol. Telemetry**

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#### **UUED STANDARDID**

**EVS-EN 61334-6:2002**

Hind 247,00

Identne IEC 61334-6:2000

ja identne EN 61334-6:2000

### **Distribution automation using distribution line carrier systems - Part 6: A-XDR encoding rule**

Defines a set of encoding rules that may be used to derive the specification of a transfer syntax for values of types defined in the DLMS core standard using the ASN.1 notation (see IEC 61334-4-41).

**EVS-EN 61334-5-1:2002**

Hind 295,00

Identne IEC 61334-5-1:2001

ja identne EN 61334-5-1:2001

### **Distribution automation using distribution line carrier systems - Part 5-1: Lower layer profiles; The spread frequency shift keying (S-FSK) profile**

Describes the requirements of S-FSK (frequency shift keying modulation) in conjunction with the services provided by the physical layer entity and the MAC sublayer. The transmission medium is assumed to be the distribution network on both MV or LV level. To be used in conjunction with IEC 61334-4-32.

**EVS-EN 61334-3-22:2002**

Hind 179,00

Identne IEC 61334-3-22:2001

ja identne EN 61334-3-22:2001

### **Distribution automation using distribution line carrier systems - Part 3-22: Mains signalling requirements - MV phase-to-earth and screen-to-earth intrusive coupling devices**

This section of IEC 61334-3 only applies to MV phase-to-earth capacitive and screen-to-earth intrusive inductive coupling devices for medium voltage (MV) distribution line carrier (DLC) systems. Non-intrusive inductive coupling devices are not within the scope of this standard.

**EVS-EN 61334-4-511:2002**

Hind 229,00

Identne IEC 61334-4-511:2000

ja identne EN 61334-4-511:2000

### **Distribution automation using distribution line carrier systems - Part 4-511: Data**

**communication protocols; Systems management; CIASE protocol**

This section of IEC 1334-4 specifies the DCP management requirements. It describes the management services in an abstract way and the underlying protocol. It defines terminology and describes concepts for DCP system management, describes DCP systems management activities and facilities and specifies DCP services and protocol.

### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54258

Tähtaeg: 2003-01-01

Identne prEN 13757-1:2002

### **Communication system for meters and remote reading of meters - Part 1: Data exchange**

CEN/TC 294 works with the standardisation of remote reading of meters. It does not cover electricity metering, as standardisation of remote readout of electricity meters is a task for IEC/CENELEC. One of the major activities for CEN/TC 294 is to provide a protocol specification for the Application Layer of the meters

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## 35.020

### Infotehnoloogia üldküsimused

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#### Information technology (IT) in general

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### UUED STANDARDID

#### EVS-EN 50310:2002

Hind 130,00

Identne EN 50310:2000

#### Application of equipotential bonding and earthing in buildings with information technology equipment

This European Standard applies to the bonding network of a building (CBN), the bonding network of the Information Technology equipment (MESH-BN), and the interconnection between these two networks. It contributes to the standardisation of Information Technology equipment and coordinates with the pre-requirements of the generic installation conditions as outlined in IEC 60364-5-548 to achieve the following targets: a) safety from electrical hazards; b) reliable signal reference within the entire Information Technology installation; c) satisfactory electromagnetic performance of the entire Information Technology installation.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 23970

Tähtaeg: 2002-12-01

Identne EN 50116:1996

#### Information technology equipment - Routine electrical safety testing in production

This European Standard applies to Information Technology Equipment. It defines the routine safety tests and their procedures to be applied during the manufacturing process of the equipment. Alternatively, manufacturers can apply the tests of this Standard to sub-assemblies

and components so long as the total equipment continues to comply with EN 60950. In all cases the application of the tests detailed in this Standard is design dependent and need to be defined by the manufacturer.

prEVS 54016

Tähtaeg: 2002-12-01

Identne IEC 60990:1999

ja identne EN 60990:1999

#### Methods of measurement of touch current and protective conductor current

Defines measurement methods for d.c. or a.c. of sinusoidal or non-sinusoidal waveform, which could flow through the human body, and current flowing through a protective conductor. The measuring methods recommended for TOUCH CURRENT are based upon the possible effects of current flowing through a human body. In this standard, measurements of current through networks representing the impedance of the human body are referred to as measurements of TOUCH CURRENT. These networks are not necessarily valid for the bodies of animals. The basic safety publication is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. It is not intended for use by manufacturers or certification bodies. It has the status of a basic safety publication in accordance with IEC Guide 104.

prEVS 54138

Tähtaeg: 2002-12-01

Identne CISPR 24:1997/A1:2001

ja identne

EN 55024:1998/A1:2001

#### Information technology equipment - Immunity characteristics - Limits and methods of measurement

This standard applies to Information Technology Equipment (ITE) as defined in CISPR Standard 22. Procedures are defined for the measurement of ITE and limits are specified which are developed for ITE and within the frequency range of 0 Hz to 400 GHz. The object of this standard is to establish requirements which will provide an adequate level of intrinsic immunity so that the equipment will operate as intended in its

environment. For exceptional environmental conditions special mitigation measures may be required.

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## 35.040

### Märgistikud ja informatsiooni kodeerimine

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#### Character sets and information coding

### KAVANDITE

### ARVAMUSKÜSITLUS

prEVS 52656

Tähtaeg: 2003-01-01

Identne ISO/IEC 17799:2000

#### Infotehnoloogia. Infoturbe halduse praktikakoodeks

Standard gives recommendations for information security management for use by those, who are responsible for initiating, implementation or maintaining security in their organization.

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## 35.080

### Tarkvara väljatöötamine ja süsteemidokumentatsioon

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#### Software development and system documentation

### KAVANDITE

### ARVAMUSKÜSITLUS

prEVS 31266

Tähtaeg: 2003-01-01

Identne ISO/IEC 9126-1:2001

#### Tarkvaratehnika. Toote kvaliteet. Osa 1:

#### Kvaliteedimudel

Standard kirjeldab tarkvaratoote kvaliteedi kaheosalist mudelit: a) sisekvaliteet ja väliskvaliteet ning b) kasutuskvaliteeti. Määratletud näitajad on kohaldatavad iga liiki tarkvarale, sealhulgas püsivaras sisalduvatele programmidele ja andmetele.

prEVS 52655

Tähtaeg: 2003-01-01

Identne ISO/IEC TR 9294:1990

#### Infotehnoloogia. Tarkvara dokumentatsiooni halduse suunised

Technical report offers guidance on the management of software documentation to those managers, responsible for the production of software or software-based products.

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## 35.100.00

### Avatud süsteemide ühendamine (OSI)

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Open systems interconnection (OSI)

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 25364

Tähtaeg: 2002-12-01

Identne EN

50170:1996+A1,A2,A3:2002

#### General Purpose Field Communication System

The "general purpose field communication system" is principally a communication means between equipment close to the manufacturing process like sensors and actuators on machines, etc. and the control level equipment. Further precise definition is difficult as it limits the use of this communication technology. The scope of information transfer goes far beyond of replacing analog 4 to 20 mA signals. Decentralized intelligent systems need communication from and to devices in a comfortable user or application oriented way.

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## 35.100.20

### Kanalikiht

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Data link layer

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#### UUED STANDARDID

EVS-EN 61334-4-32:2002

Hind 247,00

Identne IEC 61334-4-32:1996

ja identne EN 61334-4-32:1996

#### Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 32: Data link layer - Logical link control (LLC)

This section of IEC 1334-4 covers the services required of, or by, the DCP Logical Link Control (LLC) sublayer entity at the logical interfaces with the application layer and the MAC sublayer.

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## 35.100.70

### Rakenduskiht

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Application layer

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#### UUED STANDARDID

EVS-EN 61334-4-41:2002

Hind 360,00

Identne IEC 61334-4-41:1996

ja identne EN 61334-4-41:1996  
**Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 41: Application protocols - Distribution line message specification**

The scope of application of the specifications of the sections of part 4 is the communication through the so-called distribution line carrier technology (DLC) on both low and medium voltage distribution network. The application range based on telecommunication processes is wide and cannot be described exhaustively in this section; application examples are: control and monitoring of the distribution network, broadcasting of orders, control of user interfaces, public lighting, traffic lights supervision, automatic meter reading, etc.

EVS-EN 61334-4-42:2002

Hind 272,00

Identne IEC 61334-4-42:1996

ja identne EN 61334-4-42:1996

#### Distribution automation using distribution line carrier systems - Part 4: Data communication protocols - Section 42: Application protocols - Application layer

The specifications of the sections of IEC 1334-4 apply to the communication through the so-called distribution line carrier technology (DLC) on both low and medium voltage distribution networks. The application range based on telecommunication processes is wide and cannot be described exhaustively in this section; application examples are: control and monitoring of the distribution network, order broadcast, control of user interfaces, public lighting, traffic lights supervision, automatic meter reading, etc.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54258

Tähtaeg: 2003-01-01

Identne prEN 13757-1:2002

#### Communication system for meters and remote reading of meters - Part 1: Data exchange

CEN/TC 294 works with the standardisation of remote reading of meters. It does not cover electricity metering, as standardisation of remote readout of electricity meters is a task for IEC/CENELEC. One of the major activities for CEN/TC 294 is to provide a protocol specification for the Application Layer of the meters

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## 35.160

### Mikroprotsessorsüsteemid

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Microprocessor systems

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 34284

Tähtaeg: 2002-12-01

Identne EN 50254:1998

#### High efficiency communication subsystem for small data packages

This European Standard is specifying a set of solutions named "High Efficiency Communication for Small Data Package" (HECS). The scope covers the communication of simple devices such as I/Os or sensors / actuators. It is not specified for a certain industry sector such as manufacturing automation, but it is targeted to any application requesting fast access to small data packages with deterministic and predictable access.

prEVS 54281

Tähtaeg: 2002-12-01

Identne IEC 60822:1988

ja identne HD 576 S1:1990

#### IEC 60822 VSB; Parallel subsystem bus of the IEC 60821 VME bus

The VSB bus was designed to meet the needs of multiprocessor systems based on high-performance 32-bit microprocessors built up from board assemblies. It includes a high-speed asynchronous data transfer bus allowing masters to direct the transfer of binary data to and from slaves according to 4 kinds of cycles: address-only, single-transfer, block-transfer and interrupt-acknowledge cycles. It also includes an arbitration bus enabling arbiter modules and/or requester modules to coordinate the use of the data-transfer bus according to two arbitration methods (series or parallel). Note: - For the price of this publication,

please consult the ISO/IEC price-code list.

prEVS 54291

Tähtaeg: 2002-12-01

Identne IEC 60559:1989

ja identne HD 592 S1:1991

### **Binary floating-point arithmetic for microprocessor systems**

Defines ways for new microprocessor systems to perform binary floating point arithmetic in software, in hardware or in any combination of hardware and software. Note: -For the price of this publication, please consult the ISO/IEC price-code list.

prEVS 54292

Tähtaeg: 2002-12-01

Identne IEC 60796-1:1990

ja identne HD 593.1 S1:1992

### **Microprocessor system bus 8-bit and 16-bit data (MULTIBUS I); Part 1: Functional description with electrical and timing specifications**

Applies to interface system components, for use in interconnecting data processing, data storage, and peripheral control devices in a closely coupled configuration. This interface system contains the necessary signals to allow the various system components to interact with each other. It allows memory and Input/Output direct memory accesses, generation of interrupts, etc. Provides a detailed description of all the elements and features that make up the system bus. Note: -For the price of this publication, please consult the ISO/IEC price-code list.

prEVS 54293

Tähtaeg: 2002-12-01

Identne IEC 60796-2:1990

ja identne HD 593.2 S1:1992

### **Microprocessor system bus 8-bit and 16-bit data (MULTIBUS I); Part 2: Mechanical and pin descriptions for the system bus configuration, with edge connectors (direct)**

Applies to an interface used to connect microprocessor system components by means of the edge connector (direct) type backplane. Describes all the physical and mechanical specifications that a designer shall be concerned with when designing a backplane or when designing printed circuit boards that plug into the system bus interface. Note: -For the price of this publication, please consult the ISO/IEC price code list.

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## **35.180**

### **Lõppseadmed jm välisseadmed**

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#### **IT terminal and other peripheral equipment**

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#### **UUED STANDARDID**

##### **EVS-EN 61966-8:2002**

Hind 190,00

Identne IEC 61966-8:2001

ja identne EN 61966-8:2001

##### **Multimedia systems and equipment - Colour measurement and management - Part 8: Multimedia colour scanners**

Applies to the characterization and assessment of multimedia colour scanners used in computer systems, multimedia and similar applications. Defines measurement conditions, methods of measurement and characterization to facilitate colour management.

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## **35.200**

### **Liidestus- ja ühendusseadmed**

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#### **Interface and interconnection equipment**

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#### **UUED STANDARDID**

##### **EVS-EN 61883-1:2002**

Hind 259,00

Identne IEC 61883-1:1998

ja identne EN 61883-1:1998

##### **Consumer audio/video equipment - Digital interface - Part 1: General**

This part of IEC 61883 specifies a digital interface for consumer electronic audio/video equipment using the IEEE 1394 standard. It describes the general packet format, data flow management and connection management for audiovisual data, and also the general transmission rules for control commands. The object of this standard is to define the transmission protocol for audiovisual data and control commands which provides for the connectability of digital audio and video equipment, using the IEEE 1394 standard.

##### **EVS-EN 61883-2:2002**

Hind 126,00

Identne IEC 61883-2:1998

ja identne EN 61883-2:1998

### **Consumer audio/video equipment - Digital interface - Part 2: SD-DVCR data transmission**

This part of IEC 61883 specifies the packet format and the transmission timing for SD-DVCR data. It describes the specifications for the IEEE 1394 Packet, the CIP header for 525-60 and 625-50 television systems, and the transmission timing.

##### **EVS-EN 61883-3:2002**

Hind 117,00

Identne IEC 61883-3:1998

ja identne EN 61883-3:1998

##### **Consumer audio/video equipment - Digital interface - Part 3: HD-DVCR data transmission**

This part of IEC 61883 specifies the packet format and the transmission timing for HD-DVCR data. It describes the specifications for the IEEE 1394 Packet, the CIP header for 1125-60 and 1250-50 television systems, and the transmission timing.

##### **EVS-EN 61883-4:2002**

Hind 146,00

Identne IEC 61883-4:1998

ja identne EN 61883-4:1998

##### **Consumer audio/video equipment - Digital interface - Part 4: MPEG2-TS data transmission**

This part of IEC 61883 describes the packetization and the transmission timing for MPEG2 transport streams for the IEEE 1394 digital interface. It describes the specifications for the IEEE 1394 packet, the CIP header and the transmission timing for use with the transport stream as specified in prETS 300 468. Explanation is based on the transport stream as specified in DVB.

##### **EVS-EN 61883-5:2002**

Hind 126,00

Identne IEC 61883-5:1998

ja identne EN 61883-5:1998

##### **Consumer audio/video equipment - Digital interface - Part 5: SDL-DVCR data transmission**

This part of IEC 61883 specifies the packet format and the transmission timing for SDL-DVCR data. It describes the specifications for the IEEE 1394 Packet, the CIP header for SDL525-60 and SDL625-50

systems, and the transmission timing.

## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 25364

Tähtaeg: 2002-12-01

Identne EN

50170:1996+A1,A2,A3:2002

### **General Purpose Field**

#### **Communication System**

The "general purpose field communication system" is principally a communication means between equipment close to the manufacturing process like sensors and actuators on machines, etc. and the control level equipment. Further precise definition is difficult as it limits the use of this communication technology. The scope of information transfer goes far beyond of replacing analog 4 to 20 mA signals. Decentralized intelligent systems need communication from and to devices in a comfortable user or application oriented way.

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## **35.240.50**

### **IT rakendused tööstuses**

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#### **IT applications in industry**

## **UUED STANDARDID**

**EVS-EN 61491:2002**

Hind 540,00

Identne IEC 61491:1995

ja identne EN 61491:1998

### **Electrical equipment of industrial machines - Serial data link for real-time communication between controls and drives**

This International Standard defines a real-time optical serial interface between the control unit and its associate drives which is utilized to transmit periodic and non periodic data. This interface applies to industrial machines with multiple drives and can operate in torque, velocity, or position interface operation modes

**EVS-EN 61298-3:2002**

Hind 229,00

Identne IEC 61298-3:1998

ja identne EN 61298-3:1998

### **Process measurement and control devices - General methods and procedures for evaluating performance -- Part 3: -Tests for the effects of influence quantities**

This part of IEC 61298 specifies general methods and procedures for conducting tests and reporting on the functional and performance characteristics of process measurement and control devices. The tests are applicable to any such devices characterized by their own specific input and output variables, and by the specific relationship (transfer function) between the inputs and outputs, and include analogue and digital devices. For devices that require special tests, this part of IEC 6661298 is to be used, together with any product-specific standard specifying special tests.

**EVS-EN 61926-1:2002**

Hind 523,00

Identne IEC 61926-1:1999

ja identne EN 61926-1:2000

### **Design automation - Part 1: Standard test language for all systems - Common abbreviated test language for all systems (C/ATLAS)**

Defines a high order language for electronics testing independent of any specific test system. Can be implemented on automatic test equipment (ATE)

## **KAVANDITE**

## **ARVAMUSKÜSITLUS**

prEVS 22789

Tähtaeg: 2002-12-01

Identne IEC 61003-1:1991

ja identne EN 61003-1:1993

### **Industrial-process control systems - Instruments with analogue inputs and two- or multi-state outputs - Part 1: Methods of evaluating the performance**

Applies to pneumatic and electric industrial-process instruments using measured values that are continuous signals. Specifies uniform methods of tests for the evaluation of the performance.

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## **35.240.80**

### **IT rakendused tervishoiutehnoloogias**

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#### **IT applications in health care technology**

## **KAVANDITE**

## **ARVAMUSKÜSITLUS**

prEVS 24499

Tähtaeg: 2003-01-01

Identne prEN 14484:2002

## **Health informatics -**

### **International transfer of personal health data covered by the EU data protection directive - High level security policy**

This Standard provides guidance on a High Level Security Policy for third country organisations and is restricted to aspects relevant to personal health data transferred from a compliant country to a third country (see definitions)  
prEVS 25703

Tähtaeg: 2003-01-01

Identne prEN 14485:2002

### **Health informatics - Guidance for handling personal health data in international applications in the context of the EU data protection directive**

This European Standard provides guidance on data protection for those involved in international informatics applications which entail transmission of person health data from an EU Member State to a non-EU Member State. Its purpose is to assist in the application of the EU Directive on Data Protection [1]

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## **35.260.10**

### **Kontorimasinad**

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#### **Office machines**

## **KAVANDITE**

## **ARVAMUSKÜSITLUS**

prEVS 23970

Tähtaeg: 2002-12-01

Identne EN 50116:1996

### **Information technology equipment - Routine electrical safety testing in production**

This European Standard applies to Information Technology Equipment. It defines the routine safety tests and their procedures to be applied during the manufacturing process of the equipment. Alternatively, manufacturers can apply the tests of this Standard to sub-assemblies and components so long as the total equipment continues to comply with EN 60950. In all cases the application of the tests detailed in this Standard is design dependent and need to be defined by the manufacturer.

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**37.080****Mikrograafia**

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Document imaging applications

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**UUED STANDARDID****EVS-EN 61966-2-1:2002**

Hind 212,00

Identne IEC 61966-2-1:1999

ja identne EN 61966-2-1:2000

**Multimedia systems and equipment - Colour measurement and management - Partie 2-1: Colour management - Default RGB colour space - sRGB**

The IEC 61966 standards are a series of methods and parameters for colour measurements and management for use in multimedia systems and equipment applicable to the assessment of colour reproduction. This section of IEC 61966 is applicable to the encoding and communication of RGB colours used in computer systems and similar applications by defining encoding transformations for use in defined reference conditions.

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**37.100.10****Paljundusseadmed**

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Reproduction equipment

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**UUED STANDARDID****EVS-EN 1010-3:2002**

Hind 146,00

Identne EN 1010-3:2002

**Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 3: Cutting machines**

1.1 This European Standard applies to cutting machines used in paper converting: - guillotines; - three-knife trimmers; - index-cutting machines; - trimmers; - rotary cutters; - round cornering machines; - label punching machines. This European Standard shall be used together with prEN 1010-1:2000

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**43.040.30****Näidikud ja kontrollseadised**

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Indicating and control devices

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 34173

Tähtaeg: 2003-01-01

Identne ISO 15005:2002

ja identne EN ISO 15005:2002

**Road vehicles - Ergonomic aspects of transport information and control systems - Dialogue management principles and compliance procedures**

This International Standard presents ergonomic principles for the design of the dialogues that take place between the driver of a road vehicle and the vehicle's transport information and control systems (TICS) while the vehicle is in motion. It also specifies compliance verifications for the requirements related to these principles.

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**43.060.40****Toitesüsteemid**

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Fuel systems

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**UUED STANDARDID****EVS-EN 12805:2002**

Hind 190,00

Identne EN 12805:2002

**Automotive LPG components - Containers**

This standard specifies the requirements for design, manufacturing and testing of welded steel automotive Liquefied Petroleum Gas (LPG) containers, to be permanently attached to a motor vehicle, where the automotive LPG is to be used as a fuel in the vehicle.

**EVS-EN 13856:2002**

Hind 66,00

Identne EN 13856:2002

**Minimum requirements for the content of the user manual for automotive LPG systems**

This European Standard specifies the minimum requirements for the contents of the user manual for Automotive LPG propulsion systems fitted in road vehicles. This standard does not cover the user manual for forklift trucks or other industrial machinery.

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**43.120****Elektrisõidukid ja nende osad**

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Electric road vehicles

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**UUED STANDARDID****EVS-EN 61982-3:2002**

Hind 163,00

Identne IEC 61982-3:2001

ja identne EN 61982-3:2001

**Secondary batteries for the propulsion of electric road vehicles - Part 3: Performance and life testing (traffic compatible, urban use vehicles)**

This part of IEC 61982 is applicable to performance and life testing of electrical energy storage systems for general purpose, traffic compatible, light urban use electric road vehicles that are designed for transportation of passengers or goods in city centre driving. For the purposes of this standard, the electrical energy storage system is defined as one that is recharged electrically though some of the test procedures may be applicable to fuel cells and other "mechanically" rechargeable systems. The test procedures may also be applicable to electrical energy storage systems used in some types of hybrid-electric vehicle though detailed consideration of electrical energy storage systems for hybrid vehicles will be addressed separately

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**43.160****Eriotstarbelised ja erisõidukid**

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Special purpose vehicles

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 22965

Tähtaeg: 2003-01-01

Identne prEN 13021:2002

**Winter service machines - Safety requirements**

This European Standard applies to winter service machines which are defined in clause 3. This European Standard deals with all significant hazards (see clause 4) identified through a risk assessment pertinent to winter service machines when they are used as intended and under the conditions foreseen by the manufacturer. This European Standard does not deal with significant hazards associated with noise and EMC

prEVS 54319  
Tähtaeg: 2003-01-01  
Identne EN 1789:1999/prA1:2002  
**Meditsiinilised transpordivahendid ja nende varustus. Kiirabiautod**  
The Standard specifies requirements for the design and performance of medical road vehicles (ambulances) used for the transport of sick or injured persons. This standard is applicable to medical vehicles capable of transporting at least one person on a stretcher

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### 43.180

#### **Diagnostika-, hooldus- ja katseseadmed**

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Diagnostic, maintenance and test equipment

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#### **UUED STANDARDID**

**EVS-EN 50325-1:2002**

Hind 92,00

Identne EN 50325-1:2000

**Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces Part 1: General requirements**

This European Standard applies to controller-device interfaces that provide defined interfaces between low-voltage switchgear, controlgear, control circuit devices, switching elements and controlling devices (e.g. programmable controllers, personal computers, etc.). It may also be applied for the interfacing of other devices and elements to a controller-device interface.

**EVS-EN 50325-2:2002**

Hind 295,00

Identne EN 50325-2:2000

**Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces Part 2: DeviceNet**

This Part of prEN 50325 contains the following particular requirements for DeviceNet: - Requirements for interfaces between controllers and switching elements; - Normal service conditions for devices; - Constructional and performance requirements; - Tests to verify conformance to requirements.

**EVS-EN 50325-3:2002**

Hind 229,00

Identne EN 50325-3:2001

**Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces - Part 3: Smart Distributed System (SDS)**

This Part of prEN 50325 contains the following particular requirements for Smart Distributed System (SDS): - Requirements for interfaces between controllers and switching elements; - Normal service conditions for devices; - Constructional and performance requirements; - Tests to verify conformance to requirements.

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### 45.020

#### **Raudteetehnika üldküsimused**

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Railway engineering in general

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 24435

Tähtaeg: 2002-12-01

Identne EN 50123-6:1998

**Railway applications - Fixed installations - D.C. Switchgear - Part 6: D.C. Switchgear assemblies**

This EN 50123-6 covers D.C. metal-enclosed and non-metallic switchgear assemblies used in indoor stationary installations of traction systems, with nominal voltage not exceeding 3 000 V. It is intended that individual items of equipment, for example circuit breakers, housed in the assembly is designed, manufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of EN 50123 or, when appropriate, with another applicable standard.

prEVS 25906

Tähtaeg: 2002-12-01

Identne EN 50123-1:1995

**Railway applications - Fixed installations - D.C. switchgear - Part 1: General**

This European Standard, consisting of seven parts, specifies requirements for d.c. switchgear and controlgear and is intended to be used in fixed electrical installations, with nominal voltage not exceeding 3000 V d.c., which supply electrical power to vehicles for public guided transport, i.e. railway vehicles, tramway vehicles, underground vehicles and trolleybuses.

prEVS 25928

Tähtaeg: 2002-12-01

Identne EN 50123-2:1995+A1:1996

**Railway applications - Fixed installations - D.C. switchgear - Part 2: D.C. circuit breakers**

This Part of EN 50123 specifies requirements for d.c. circuit breakers for use in stationary installations of traction systems. NOTE 1: EN 50123-6 specifies requirements for d.c. switchgear assemblies. NOTE 2: EN 50121-5 specifies requirements for electromagnetic compatibility (EMC). NOTE 3: EN 50126 specifies requirements for dependability.

prEVS 26487

Tähtaeg: 2002-12-01

Identne EN 50122-2:1998+A1:2002

**Railway applications - Fixed installations - Part 2: Protective provisions against the effects of stray currents caused by d.c. traction systems**

This standard specifies requirements for the protective provisions against the effects of stray currents which result from the operation of d.c. traction systems. It applies to all metallic fixed installations which form a part of the traction system, and also to any other unrelated metallic components located in any position in the earth, which may carry stray currents resulting from the operation of the d.c. railway system. It applies to all new electrification of a d.c. railway system. The principles may also be applied to existing or electrified systems where it is necessary to consider the effects of stray currents. The range of application includes railways; guided mass transportation systems such as: Tramways, elevated and underground railways, trolleybus systems and magnetic levitated systems. It also includes material transportation systems. This standard does not apply to: a) mine traction systems in underground mines; b) cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly from the contact line system and are not endangered by the traction power supply systems; c)



suspended cars; d) funicular railways and e) maintenance work.

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45.060

**Raudtee veerem**

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Railway rolling stock

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**UUED STANDARDID**

**EVS-EN 61373:2002**

Hind 247,00

Identne IEC 61373:1999

ja identne EN 61373:1999

**Railway applications - Rolling stock equipment - Shock and vibration tests**

This International standard specifies the requirements for testing items of equipment intended for use on railway vehicles which are subsequently subjected to vibrations and shock owing to the nature of railway operational environment. To gain assurance that the quality of the item is acceptable, it has to withstand tests of reasonable duration that simulate the service conditions seen throughout its expected life.

**EVS-EN 61881:2002**

Hind 259,00

Identne IEC 61881:1999

ja identne EN 61881:1999

**Railway applications - Rolling stock equipment - Capacitors for power electronics**

Specifies capacitors used below an operating frequency of 2500 Hz with a rated voltage limited to 10000 V. Distinguishes between a.c. and d.c. capacitors

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45.060.01

**Raudtee veerem üldiselt**

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Railway rolling stock in general

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38024

Tähtaeg: 2003-01-01

Identne prEN 13298:2002

**Railway applications - Suspension components - Helical suspension springs, steel**

This European Standard is applicable to helical steel suspension springs used in the suspension of rail vehicles. It deals specially with cylindrical compression springs made from round section steel bars of

constant diameter and with constant inclination of coiling

prEVS 54145

Tähtaeg: 2003-01-01

Identne prEN 14478:2002

**Railway applications - Braking - Generic vocabulary**

This European Standard defines the meaning of the common terms in use in the field of railway rolling stock brakes and braking. It includes some terms where the principal function of the system or component is other than braking. Systems, subsystems and components not located in the train are excluded

prEVS 54169

Tähtaeg: 2003-01-01

Identne prEN 14363:2002

**Railway applications - Testing for the acceptance of running characteristics of railway vehicles - Testing of running behaviour and stationary tests**

This EN regulates the testing for acceptance of the running characteristics of railway vehicles (hereafter called vehicles). The testing of the running characteristics applies principally to all vehicles used in public transport which operate without restriction on standard gauge tracks (1.435 mm)

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45.060.10

**Vedurid**

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Tractive stock

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**UUED STANDARDID**

**EVS-EN 50261:2002**

Hind 75,00

Identne EN 50261:1999

**Railway applications - Mounting of electronic equipment**

This standard applies to the mechanical design features for the installation of all electronic equipment as defined in EN 50155 and complying with HD 493. For individual or specialised equipment not complying with HD 493, no specified dimensions are defined; this type of equipment shall be designed to meet the particular requirements. These requirements for racks and enclosures do not exclude other solutions (e.g. single board mounting within an equipment box, future developments, etc.) This standard also covers particular requirements

for the interconnection to the vehicle wiring.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 25184

Tähtaeg: 2002-12-01

Identne EN 50206-1:1998

**Railway applications - Rolling stock - Pantographs:**

**Characteristics and tests - Part 1: Pantographs for main line vehicles**

This document defines the general assembly characteristics which are to be applied to pantographs, to enable current collection from the overhead line system. It also defines the tests the pantographs have to perform, excluding insulators. This standard does not apply to pantograph dielectric tests, which are to be performed on the pantograph installed on the vehicle roof. This standard does not apply to pantographs used on isolated metros and light rail systems: these pantographs are considered in EN 50206-2.

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45.060.20

**Haagisveerem**

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Trailing stock

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**UUED STANDARDID**

**EVS-EN 12561-3:2002**

Hind 109,00

Identne EN 12561-3:2002

**Railway applications - Tank wagons - Part 3: Bottom filling and emptying devices for gases liquified under pressure**

This European Standard specifies requirements on and characteristics of bottom filling and emptying devices on tank wagons used for the carriage of gases liquefied under pressure having a test pressure up to 2,9 MPa. This standard specifies the important dimensions and arrangements for the filling and emptying connections.

**EVS-EN 12561-4:2002**

Hind 92,00

Identne EN 12561-4:2002

**Railway applications - Tank wagons - Part 4: Top devices for top emptying and filling of liquid products**

This European Standard is applicable to top devices of tank wagons used for liquid substances of RID carried in the liquid state and able to be top filled and emptied. This European Standard specifies the type of equipment to be fitted on the top of such tank wagons and the important dimensions for their connections.

**EVS-EN 12561-5:2002**

Hind 75,00

Identne EN 12561-5:2002

**Railway applications - Tank wagons - Part 5: Top devices for bottom emptying and top filling of liquid products**

This European Standard specifies the requirements on and characteristics of top devices of tank wagons fitted for bottom emptying only and filling through the manhole and used for liquid substances of RID. This European Standard specifies in particular the important dimensions and arrangements for the connections of such tank wagons.

**EVS-EN 12561-6:2002**

Hind 101,00

Identne EN 12561-6:2002

**Railway applications - Tank wagons - Part 6: Manholes**

This European Standard is applicable to manholes on tank wagons used for the transport of dangerous substances. This European Standard defines the dimensions for the interchangeability of seals and other wearing parts and defines also the important dimensions for:-  
Manholes for gas tank wagons located in one end of the tank;-  
Manholes for gas tank wagons located on the top of the tank including the arrangements of fittings;-  
bolted manholes for tank wagons for liquid substances located on the top of the tank;-  
swing bolt manholes for tank wagons for liquid substances located on the top of the tank.

**EVS-EN 13129-1:2002**

Hind 130,00

Identne EN 13129-1:2002

**Railway applications - Air conditioning for main line rolling stock - Part 1: Comfort parameters**

This standard applies to main line rail vehicles which carry passengers with the exception of suburban vehicles, metros, tramways and driving cabs. This standard establishes comfort parameters for compartments or saloons (double-decker or not).

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38801

Tähtaeg: 2003-01-01

Identne EN 13129-2:2002

**Railway applications - Tank wagons - Part 2: Bottom emptying devices for liquid products including vapour return**

This European Standard specifies requirements on and characteristics of bottom emptying devices on tank wagons used for the carriage of liquid substances of RID. This European Standard specifies the important dimensions of connection devices for the emptying. This European Standard is applicable to bottom vapour return devices that are fitted to tank wagons

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**45.080**

**Rööpad ja raudteesad**

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**Rails and railway components**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 37460

Tähtaeg: 2003-01-01

Identne prEN 13230-1:2002

**Railway applications - Track - Concrete sleepers and bearers - Part 1: General requirements**

This part of prEN 13230 defines technical criteria and control procedures which have to be satisfied by the constituent materials and the finished concrete sleepers and bearers, i.e.: precast concrete sleepers, bearers for switches and crossings, and special elements for railway tracks

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**47.020.01**

**Laevaehituse ja mereehitustega seotud üldised standardid**

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General standards related to shipbuilding and marine structures

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54265

Tähtaeg: 2003-01-01

Identne prEN 13852-2:2002

**Cranes - Offshore cranes - Part 2: Floating cranes**

This European Standard applies to floating cranes. This European Standard is not applicable to: a) Assembly, dismantling or changing the configuration of the crane; b) Lifting accessories; c) Operations at a design temperature below 20 °C; d) Lifting operations involving more than one floating crane

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**47.020.30**

**Torustikud**

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Piping systems

**UUED STANDARDID**

**EVS-EN ISO 15748-1:2002**

Hind 146,00

Identne ISO 15748-1:2002

ja identne EN ISO 15748-1:2002

**Ships and marine technology - Potable water supply on ships and marine structures - Part 1: Planning and design**

This part of ISO 15748 applies to the planning, design and configuration of potable water supply systems on ships, stationary or floating marine structures and inland navigation vessels

**EVS-EN ISO 15748-2:2002**

Hind 179,00

Identne ISO 15748-2:2002

ja identne EN ISO 15748-2:2002

**Ships and marine technology - Potable water supply on ships and marine structures - Part 2: Method of calculation**

This part of ISO 15748 applies to the planning, design and configuration of potable water supply systems on ships, stationary or floating marine structures and inland waterway crafts

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**47.020.70****Navigatsiooni- ja juhtimisseadmed**

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Navigation and control equipment

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**UUED STANDARDID****EVS-EN 61993-1:2002**

Hind 190,00

Identne IEC 61993-1:1999

ja identne EN 61993-1:1999

**Maritime navigation and radiocommunication equipment and systems - Part 1: Shipborne automatic identification system installation using VHF digital selective calling (DSC) techniques - Operational and performance requirements - methods of testing and required test results**

This International Standard specifies the performance requirements, technical characteristics, operational requirements, methods of testing and required test results for shipborne automatic identification system (AIS) installations using VHF digital selective calling (DSC) techniques and is associated with IEC 60945. When a requirement in this standard is different from IEC 60945, the requirement is this standard shall take precedence. The shipborne AIS installation is intended to assist in the efficient operation of ship-reporting systems and vessel traffic services (VTS) by enabling operators to identify, poll and automatically locate and track ships when they are approaching, entering and sailing within the limits of a ship-reporting system.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 22783

Tähtaeg: 2002-12-01

Identne IEC 61023:1999

ja identne EN 61023:1999

**Maritime navigation and radiocommunication equipment and systems - Marine speed and distance measuring equipment (SDME) - Performance requirements - Methods of testing and required test results**

Specifies the performance and type testing of Marine Speed and distance Measuring Equipment (SDME) required by Regulation 12 of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended.

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**47.080****Väikelaevad**

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**Small craft**

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**UUED STANDARDID****EVS-EN ISO 12215-2:2002**

Hind 66,00

Identne ISO 12215-2:2002

ja identne EN ISO 12215-2:2002

**Small craft - Hull construction and scantlings - Part 2: Materials: Core materials for sandwich construction, embedded materials**

This part of ISO 12215 specifies requirements for core materials for structural use and materials that are embedded in sandwich construction. It is applicable to small craft with a hull length (LH) according to ISO 8666 of up to 24 m.

**EVS-EN ISO 12217-3:2002**

Hind 199,00

Identne ISO 12217-3:2002

ja identne EN ISO 12217-3:2002

**Small craft - Stability and buoyancy assessment and categorization - Part 3: Boats of hull length less than 6 m**

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54062

Tähtaeg: 2003-01-01

Identne ISO 12215-4:2002

ja identne EN ISO 12215-4:2002

**Small craft - Hull construction and scantlings - Part 4: Workshop and manufacturing**

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**49.030.20****Poldid, kruvid, tikkpoldid**

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**Bolts, screws, studs**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54079

Tähtaeg: 2003-01-01

Identne prEN 4322:2002

**Aerospace series - Bolts, double hexagon head with lockwire holes, relieved shank, long thread, in titanium alloy TI-P63, anodized, MoS2 coated - Strength class: 1 100 MPa (at ambient temperature)**

This standard specifies the characteristics of double hexagon headed bolts with lockwire holes, relieved shank and long thread, in TI-P63, anodized, MoS2 coated, for aerospace applications  
prEVS 54080

Tähtaeg: 2003-01-01

Identne prEN 4323:2002

**Aerospace series - Screws, 100° countersunk head, six lobe recess, threaded to head, in titanium alloy TI-P63, anodized, MoS2 coated - Classification: 900 MPa (at ambient temperature)/350°C**

This standard specifies the characteristics of screws with 100° countersunk head with six lobe recess, threaded to head, in TI-P63, anodized, MoS2 coated, for aerospace applications

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**49.030.30****Mutrid**

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**Nuts**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54184

Tähtaeg: 2003-01-01

Identne prEN 4047:2002

**Aerospace series - Nuts, self-locking, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated - Classification: 1 550 MPa (at ambient temperature)/600 °C - Technical specification**

This standard specifies the characteristics, qualification and acceptance requirements for self-locking nuts with MJ threads in NI-PH2601, silver plated.

Classification: 1 550 MPa 1) / 600 °C 2). It is applicable whenever referenced

**49.030.50**

**Seibid, lukustuselemendid**

Washers and other locking elements

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54082

Tähtaeg: 2003-01-01

Identne prEN 4420:2002

**Aerospace series - Clips, spring tension, in alloy steel FEPA3903**

This standard specifies the characteristics of spring tension clips for the support of electrical harnesses, in FEPA3903 for aerospace applications

prEVS 54186

Tähtaeg: 2003-01-01

Identne prEN 4584:2002

**Aerospace series - Clips, spring tension - Technical specification**

This standard specifies the characteristics, qualification and acceptance requirements for spring tension clips for the support of electrical harnesses, in alloy steel for aerospace applications. It is applicable whenever referenced

**49.080**

**Õhu- ja kosmosesõidukite hüdroüsteemid ja nende koostisosad**

Aerospace fluid systems and components

**UUED STANDARDID**

**EVS-EN ISO 12215-3:2002**

Hind 83,00

Identne ISO 12215-3:2002

ja identne EN ISO 12215-3:2002

**Small craft - Hull construction and scantlings - Part 3:**

**Materials: Steel, aluminium alloys, wood, other materials**

This part of ISO 12215 specifies requirements for materials intended for use in the construction of the hull, superstructure and appendages, in particular: - weldable normal and higher strength hot-rolled steel plates, wide flats, section and bars; - austenitic stainless steels, fabricated in the form of plates or profiles; - wrought aluminium alloys fabricated as plates, sections and extruded profiles; - wood in the form of solid timber, plywood or veneer; - other suitable materials

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54084

Tähtaeg: 2003-01-01

Identne prEN 4551:2002

**Aerospace series - Pipe coupling, 37°, in heat resisting steel - Swivel nuts - Inch series**

This standard specifies the characteristics of swivel nuts for inch series pipe couplings, 37°, in heat resisting steel, for aerospace applications

prEVS 54085

Tähtaeg: 2003-01-01

Identne prEN 4552:2002

**Aerospace series - Pipe coupling, 37°, spherical, in heat resisting steel - Straight nipples, welded - Inch series**

This standard specifies the characteristics of welded straight nipples for inch series pipe couplings, 37°, spherical, in heat resisting steel, for aerospace applications. Nominal pressure: Class D in accordance with ISO 6771

prEVS 54086

Tähtaeg: 2003-01-01

Identne prEN 4553:2002

**Aerospace series - Pipe coupling, 37°, spherical, in heat resisting steel - Elbow 90° nipples, welded - Inch series**

This standard specifies the characteristics of welded elbow 90° nipples for inch series pipe couplings, 37°, spherical, in heat resisting steel, for aerospace applications

prEVS 54087

Tähtaeg: 2003-01-01

Identne prEN 4554:2002

**Aerospace series - Pipe coupling, 37°, spherical, in heat resisting steel - Straight unions, threaded - Inch series**

This standard specifies the characteristics of straight unions for inch series pipe couplings, 37°, spherical, in heat resisting steel, for aerospace applications. Connect with fluid system component with port connection in accordance with prEN 4550-3

prEVS 54089

Tähtaeg: 2003-01-01

Identne prEN 4555:2002

**Aerospace series - Pipe coupling, 37°, in heat resisting steel - Ferrules, welded - Inch series**

This standard specifies the characteristics of welded ferrules for inch series pipe couplings, 37°, in heat resisting steel, for aerospace applications

prEVS 54090

Tähtaeg: 2003-01-01

Identne prEN 4556:2002

**Aerospace series - Pipe coupling, 37°, in heat resisting steel - Cap assemblies - Inch series**

This standard specifies the characteristics of cap assemblies for inch series pipe couplings, 37°, in heat resisting steel, for aerospace applications

prEVS 54091

Tähtaeg: 2003-01-01

Identne prEN 4557:2002

**Aerospace series - Pipe coupling, 37°, spherical, in heat resisting steel - Tees nipples, welded - Inch series**

This standard specifies the characteristics of welded tees with nipple for inch series pipe couplings, 37°, spherical, in heat resisting steel, for aerospace applications

prEVS 54092

Tähtaeg: 2003-01-01

Identne prEN 4561:2002

**Aerospace series - Pipe coupling, welded, in heat resisting steel - Elbow 90° - Inch series**

This standard specifies the characteristics of welded elbows 90° for inch series pipe couplings, in heat resisting steel, for aerospace applications

prEVS 54093

Tähtaeg: 2003-01-01

Identne prEN 4562:2002

**Aerospace series - Pipe coupling, welded, in heat resisting steel - Reductors - Inch series**

This standard specifies the characteristics of welded reductors for inch series pipe couplings, in heat resisting steel, for aerospace applications

prEVS 54094

Tähtaeg: 2003-01-01

Identne prEN 4563:2002

**Aerospace series - Pipe coupling, welded, in heat resisting steel - Tees - Inch series**

This standard specifies the characteristics of welded tees for inch series pipe couplings, in heat resisting steel, for aerospace applications

prEVS 54185

Tähtaeg: 2003-01-01

Identne prEN 4560:2002

**Aerospace series - Pipe coupling, 37°, spherical, up to 21 000 kPa - Inch series - Technical specification**

This standard specifies the required characteristics, inspection and test methods, quality assurance and procurement requirements for inch series, pipe couplings, 37°, spherical, for temperature ranges from type II to type V according to ISO 6771 and nominal pressure up to 21 000 kPa

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**49.140**

**Kosmosesüsteemid ja nende kasutamine**

Space systems and operations

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54328

Tähtaeg: 2003-01-01

Identne prEN 14514:2002

**Space engineering standards - Functional analysis**

This Standard defines the requirements to perform functional analysis and the information output of that analysis. It applies to all types and combinations of space systems, projects and products. It also applies to project phases 0, A, B and C and at all levels

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**53.020.20**

**Kraanad**

Cranes

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 34542

Tähtaeg: 2003-01-01

Identne EN 12999:2002

**Cranes - Loader cranes**

This European Standard specifies minimum requirements for design, calculation, examinations and tests of hydraulic powered loader cranes and their mountings onto vehicles or static foundations. This standard does not apply to loader cranes used on board ships or floating structures and to articulated boom system cranes which are designed as total integral parts of special equipment such as forwarders

prEVS 54265

Tähtaeg: 2003-01-01

Identne prEN 13852-2:2002

**Cranes - Offshore cranes - Part 2: Floating cranes**

This European Standard applies to floating cranes. This European Standard is not applicable to: a) Assembly, dismantling or changing the configuration of the crane; b) Lifting accessories; c) Operations at a design temperature below 20 °C; d) Lifting operations involving more than one floating crane

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**53.020.30**

**Tõsteseadmete abivahendid**

Accessories for lifting equipment

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54226

Tähtaeg: 2003-01-01

Identne prEN 14502-1:2002

**Cranes - Equipment for the lifting of persons - Part 1: Suspended baskets**

This European Standard applies to suspended baskets suspended on cranes which are designed and built according to harmonized standards dealing with the lifting of persons.

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**53.020.99**

**Muud tõsteseadmed**

Other lifting equipment

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54261

Tähtaeg: 2003-01-01

Identne EN 280:2001/prA1:2002

**Mobile elevating work platforms - Design calculations - Stability criteria - Construction - Safety - Examinations and tests**

This European Standard specifies technical safety requirements and measures for all types and sizes of Mobile Elevating Work Platform (MEWP) intended to move persons to working positions where they are carrying out work from the work platform (WP) with the intention that persons are getting on and off the work platform at one defined access position

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**53.060**

**Tööstuslikud mootorkäruud**

Industrial trucks

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 32388

Tähtaeg: 2003-01-01

Identne prEN 1757-3:2002

**Safety of industrial trucks - Pedestrian controlled manual and semi-manual trucks - Part 3: Platform trucks**

This standard applies to pedestrian propelled industrial platform trucks as defined in clause 3.1 with a rated capacity up to and including 1 000 kg, hereinafter referred to as "trucks" and designed for general purposes

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**55.040**

**Pakkematerjalid**

Packaging materials and accessories

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54073

Tähtaeg: 2002-12-01

Identne prEN 13628-1:2002

**Packaging - Flexible packaging material - Determination of residual solvents by static headspace gas chromatography - Part 1: Absolute methods**

This part of this European Standard describes methods for the quantitative determination of residual solvents in flexible packaging by static headspace chromatography where the chemical identities of the residual solvents to be determined are known before commencing the analysis. Residues from thermal decomposition products are not within the scope of this standard

prEVS 54074

Tähtaeg: 2002-12-01

Identne prEN 13628-2:2002

**Packaging - Flexible packaging material - Determination of residual solvents by static headspace gas chromatography - Part 2: Industrial methods**

This part of this European Standard describes rapid methods as commonly used in quality control for monitoring the level of residual solvents used in the production of flexible packaging by static headspace chromatography. The procedures described in this

part involve one single injection of the headspace which implies an incomplete extraction of the solvent

prEVS 54146

Tähtaeg: 2003-01-01

Identne prEN 14479:2002

**Packaging - Flexible packaging material - Determination of residual solvents by dynamic headspace gas chromatography - Absolute method**

This standard describes methods for the quantitative determination of residual solvents in flexible packaging by dynamic headspace chromatography. The chemical identities of the residual solvents to be determined by this method must be known before

commencing the analysis

prEVS 54147

Tähtaeg: 2003-01-01

Identne prEN 14477:2002

**Packaging - Flexible packaging material - Determination of puncture resistance - Test methods**

This standard describes methods of determining the puncture resistance of a flexible packaging material. The method is applicable to multilayer flexible packaging materials

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## 55.100

### **Pudelid. Potid. Purgid**

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#### **Bottles. Pots. Jars**

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 54070

Tähtaeg: 2003-01-01

Identne prEN 13972:2002

**Rigid plastics containers - Definition of nominal, brimful and total capacity and measurement of brimful and total capacity**

This European Standard specifies a gravimetric method for determining the brimful and total capacities of plastic bottles and jars up to 5 l, of plastic canisters/jerricans with a nominal volume up to 20 l and of plastic pails with a nominal volume up to 60 l

prEVS 54071

Tähtaeg: 2002-12-01

Identne prEN 13973:2002

**Rigid plastics containers - Method for determination of drainability**

This European Standard specifies a method for determination on the drainability of plastic bottles and jars with a nominal capacity up to 5 l and of plastics canisters/jerricans with a nominal volume up to 20 l

prEVS 54072

Tähtaeg: 2002-12-01

Identne prEN 13974:2002

**Rigid plastics containers - Specification of tolerance for dimensions, weight and volume**

This European Standard specifies tolerances for dimensions, mass and volume of plastic bottles and jars with a nominal capacity up to 5 l, of plastics canisters/jerricans with a nominal volume up to 20 l and for plastic pails up to 60 l

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## 55.140

### **Vaadid. Trumlid. Kanistrid**

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#### **Barrels. Drums. Canisters**

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 54070

Tähtaeg: 2003-01-01

Identne prEN 13972:2002

**Rigid plastics containers - Definition of nominal, brimful and total capacity and measurement of brimful and total capacity**

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prEVS 54071

Tähtaeg: 2002-12-01

Identne prEN 13973:2002

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prEVS 54072

Tähtaeg: 2002-12-01

Identne prEN 13974:2002

**Rigid plastics containers - Specification of tolerance for dimensions, weight and volume**

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## 55.180.40

### **Täielikud pakkimis- ja transpordiüksused**

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#### **Complete, filled transport packages**

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 54188

Tähtaeg: 2003-01-01

Identne ISO 2234:2000

ja identne EN ISO 2234:2002

**Packaging - Complete, filled transport packages and unit loads - Stacking tests using a static load**

This International Standard specifies three methods for carrying out a stacking test on a complete, filled transport package, or on a unit load, using a static load

prEVS 54190

Tähtaeg: 2003-01-01

Identne ISO 2244:2000

ja identne EN ISO 2244:2002

**Packaging - Complete, filled transport packages and unit loads - Horizontal impact tests**

This International Standard specifies methods of horizontal impact testing (horizontal or inclined plane test and pendulum test) on a complete, filled transport package or a unit load.

prEVS 54192

Tähtaeg: 2003-02-01

Identne ISO 2247:2000

ja identne EN ISO 2247:2002

**Packaging - Complete, filled transport packages and unit loads - Vibration tests at fixed low frequency**

This internationale Standard specifies methods to carry out vibration tests on complete, filled transport packages or unit loads using sinusoidal excitation at fixed frequency

prEVS 54193

Tähtaeg: 2003-01-01

Identne ISO 8318:2002

ja identne EN ISO 8318:2002

**Packaging - Complete, filled transport packages and unit loads - Sinusoidal vibration tests using a variable frequency**

This International Standard specifies two methods for carrying out a sinusoidal vibration test on a complete, filled transport package or unit load using a variable frequency

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**59.080**

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**Tekstiilitööstuse tooted**

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Products of the textile industry

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**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54303

Tähtaeg: 2003-01-01

Identne prEN 14278-2:2002

**Textiles - Determination of cotton fibre stickiness - Part 2: Method using an automatic thermodetection plate device**

This European Standard describes an automatic technique to simulate the tendency of "contaminated" cotton fibres to stick to working surfaces of textile machines (e.g. card clothing, drafting rollers, crush rolls, etc.). Test specimens can be raw cotton fibre (fibre sampled e.g. from a bale), or opened fibre, slivers, etc

prEVS 54304

Tähtaeg: 2003-01-01

Identne prEN 14278-3:2002

**Textiles - Determination of cotton fibre stickiness - Part 3: Method using an automatic thermodetection rotating drum device**

This European Standard describes an automatic technique to simulate the tendency of "contaminated" cotton fibres to stick to working surfaces of textile machines (e.g. card clothing, drafting rollers, crush rolls, etc.). Test specimens can be raw cotton fibre (fibre sampled e.g. from a bale), or opened fibre, slivers

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**59.080.01**

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**Tekstiil üldiselt**

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Textiles in general

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**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54177

Tähtaeg: 2003-01-01

Identne prEN 14065:2002

**Textiles - Laundry processed textiles - Biocontamination control system**

This European Standard describes a management system for ensuring the microbiological quality of laundry processed textiles used in specifically defined sectors in which it is necessary to control biocontamination. This document describes a Risk Analysis and Biocontamination Control (RABC) system to enable laundries to continuously assure the microbiological quality of the laundered textiles

prEVS 54198

Tähtaeg: 2003-01-01

Identne ISO 105-A08:2001

ja identne EN ISO 105-A08:2002

**Textiles - Tests for colour fastness - Part A08: Vocabulary used in colour measurement**

This part of ISO 105 specifies the terms and definitions on colour measurements that are throughout ISO 105. These definitions are intended to be used only within the context and scope of ISO 105.

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**59.080.40**

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**Pealistatud kangasmaterjalid**

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Coated fabrics

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**UUED STANDARDID**

**EVS-EN 12280-2:2002**

Hind 75,00

Identne EN 12280-2:2002

**Rubber- or plastic-coated fabrics - Accelerated ageing tests - Part 2: Physical ageing: effect of light or weathering**

This standard specifies a method for the determination of light or weathering accelerated ageing effects on physical properties of coated fabrics. Colour fastness to light or weathering is not dealt with by this standard.

**EVS-EN 12280-3:2002**

Hind 75,00

Identne EN 12280-3:2002

**Rubber- or plastic-coated fabrics - Accelerated ageing tests - Part 3: Environmental ageing**

This part of this European Standard describes a test procedure to assess the effect of humidity in combination with relatively high temperatures on the relevant physical properties of coated fabrics. It is applicable to all coated fabrics for which it is necessary to assess the long-term resistance to hydrolysis which can result from

exposure to warm atmospheres with high moisture content. It is not recommended to evaluate materials that are immersed in water during use.

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 39641

Tähtaeg: 2003-01-01

Identne prEN 12332-2:2002

**Rubber- or plastic-coated fabrics - Determination of bursting strength - Part 2: Hydraulic method**

This Part of this European Standard specifies a method for determining the bursting strength of coated fabrics using a forcing fluid and a diaphragm machine

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**59.080.60**

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**Tekstiilpõrandakatted**

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Textile floor coverings

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**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54225

Tähtaeg: 2003-01-01

Identne prEN 14499:2002

**Textile floor coverings - Minimum requirements for carpet underlays**

This European Standard specifies minimum performance requirements for fibrous, non-fibrous and combined underlays

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**59.100.10**

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**Klaaskiust materjalid**

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Textile glass materials

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**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54321

Tähtaeg: 2003-01-01

Identne prEN 14020-1:2002

**Reinforcements - Specification for textile glass rovings - Part 1: Designation**

This part of this European Standard establishes a method of designation for roving made from continuous filament textile glass strands, which may be used as the basis for specifications

prEVS 54323

Tähtaeg: 2003-01-01

Identne prEN 14020-2:2002

**Reinforcements - Specification for textile glass rovings - Part 2: Methods of test and general requirements**

This part of this European Standard defines test methods to be used to determine designated and specified properties given in Part 1 and 3, respectively. It defines general requirements applicable to the specification of all types of glass fibre rovings falling within the scope of this specification as defined in Part 1 of the standard  
prEVS 54325

Tähtaeg: 2003-01-01

Identne prEN 14020-3:2002

### **Reinforcements - Specification for textile glass rovings - Part 3: Specific requirements**

This part of this European Standard gives a technical specification for rovings that are made from continuous filament textile glass. It defines those parameters which shall be specified plus other parameters which may be specified if required for a particular application or processing method

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### **59.140.30**

#### **Parknahk ja karusnahk**

Leather and furs

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 54452

Tähtaeg: 2003-02-01

Identne prEN 13540:2002

#### **Leather - Physical and mechanical tests -**

#### **Determination of heat resistance of patent leather**

This European Standard specifies two methods for determining the heat resistance of patent leather. Method A makes use of a modified lastometer whilst Method B uses the Zwik apparatus. Both methods are applicable to patent leathers for all end uses

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### **59.140.40**

#### **Nahk- ja karusnahktoodete masinad ja seadmed**

Machines and equipment for leather and fur production

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 28014

Tähtaeg: 2003-01-01

Identne prEN 12203:2002

#### **Footwear, leather and imitation leather goods manufacturing machines - Shoe and leather presses - Safety requirements**

This European Standard is applicable to shoe and leather presses (see 3.1) used in the manufacture of footwear, leather and imitation leather goods and other related components. These machines are:- Sole attaching presses (open and closed types); - Sole and insole moulding machines;- Back part moulding machines;- Backer, lining and toe puff attaching presses;- Ironing presses

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### **61.020**

#### **Rõivad**

Clothes

prEVS 54028

Tähtaeg 2002-01-12

Identne EVS-EN 13402-1:2002

#### **Rõivaste suurstähistus. Osa 1: Terminid, määratlused ja mõõduvõtmine**

(modifitseeritud ISO 3635:1981)  
Standard määratleb kehämõõtmised rõivastele, määrab kindlaks menetluse keha mõõtmiseks ja esitab piktogrammide, mida tuleb kasutada rõivaetiketidel (et)

prEVS 54032

Tähtaeg:2002-12-01

Identne EVS-EN 13402-2:2002

#### **Rõivaste suurstähistus. Osa 2: Suurstunnused ja abimõõtmised**

Standard määrab kindlaks suurstunnused ja abimõõtmised kindlaksmääratud rõivaliikidele, mida tuleb kasutada koos standardiga EN 13402-1 (et)

#### **UUED STANDARDID**

#### **EVS-EN 13770:2002**

Hind 101,00

Identne EN 13770:2002

#### **Textiles - Determination of the abrasion resistance of knitted footwear garments**

This standard specifies two test methods for the determination of abrasion resistance of knitted footwear garments, e.g. ankle socks, socks, and heavy tights. The test methods apply to any of these articles, irrespective of size, composition and structure.

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### **61.080**

#### **Õmblusmasinad jm rõivatööstuse seadmed**

Sewing machines and other equipment for the clothing industry

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 28014

Tähtaeg: 2003-01-01

Identne prEN 12203:2002

#### **Footwear, leather and imitation leather goods manufacturing machines - Shoe and leather presses - Safety requirements**

This European Standard is applicable to shoe and leather presses (see 3.1) used in the manufacture of footwear, leather and imitation leather goods and other related components. These machines are:- Sole attaching presses (open and closed types); - Sole and insole moulding machines;- Back part moulding machines;- Backer, lining and toe puff attaching presses;- Ironing presses

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### **65.040.10**

#### **Loomakasvatushooned, sisseseade, seadmed**

Livestock buildings, installations and equipment

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 28632

Tähtaeg: 2002-12-01

Identne IEC 61011:1989

ja identne EN 61011:1992+ A11:1996

#### **Electric fence energizers - Safety requirements for mains-operated electric fence energizers**

Applies to mains-operated electric fence energizers which are not designed for connection to other sources of energy.

prEVS 28724

Tähtaeg: 2002-12-01

Identne IEC 61011-1:1989 + A2:1993

ja identne EN 61011-1:1992 + A2:1994

#### **Electric fence energizers - Safety requirements for battery-operated electric fence energizers suitable for connection to the supply mains**



This standard applies to battery-operated electric fence energizers suitable for connection to the supply mains. Mains-operated electric fence energizers incorporating batteries to supply the energizer if the mains supply is interrupted and electric fence energizers designed for connection to a separate battery charger, are within the scope of this standard.

prEVS 28727

Tähtaeg: 2002-12-01

Identne IEC 61011-2:1990 +

A2:1993

ja identne EN 61011-2:1992 +

A2:1994

**Electric fence energizers - Safety requirements for battery-operated electric fence energizers not for connection to the supply mains**

Applies to battery-operated electric fence energizers not for connection to the supply mains. Examples of such appliances are electric fence energizers; - operated by non-rechargeable batteries either incorporated or separate; - operated by separate accumulators only; - intended to be connected to a battery charger not designed for connection to the supply mains; - incorporating a dry battery or an accumulator which can only be recharged when removed from the energizer.

prEVS 54021

Tähtaeg: 2003-01-01

Identne prEN 13732:2002

**Food processing machinery - Bulk milk coolers on farms - Requirements for construction, performance, suitability for use, safety and hygiene**

This European Standard specifies requirements for design, construction, performance, suitability for use, safety and hygiene of refrigerated bulk bovine milk coolers and the related methods of test

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**65.060.01**

**Põllumajandusmasinad, -riistad ja -seadmed üldiselt**

Agricultural machines and equipment in general

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**UUED STANDARDID**

**EVS-EN 1553:2002**

Hind 190,00

Identne EN 1553:1999

**Põllumajandusmasinad. Põllumajanduslikud liikur-, ripp-, poolripp- ja haakemasinad. Üldised ohutusnõuded**

Käesolev standard sätestab üldised ohutusnõuded ja nende õigeks tunnistamise aspektid igat liiki põllumajanduslike (juhi) pealistumisega liikurmasinate ning ripp-, poolripp- või haakemasinate, välja arvatud traktorid (nagu määratletud Euroopa Nõukogu direktiivi 74/150/EMÜ artiklis 1 (1)), põllumajanduslikud lennukid ja õhkpadjal sõidukid, projekteerimiseks ja ehitamiseks. Käesoleva standardi üksi kasutamine võib olla ebapiisav selleks, et käsitleda enamiku masinate jaoks kõiki olulisi ohte. Täiendavad ohutusnõuded ja erinevused (kõrvalekalded) on toodud C-tüüpi standardites, mis käsitlevad erimasinaid. Käesoleva standardi ja erimasinate standardite kooskasutamine võib anda asja juurde kuuluvad nõuded, ning C-tüüpi standardi olemasolu korral ületavad selle nõuded ja kõrvalekalded käesolevat standardit. Käesolev standard ei käsitle ohtlikke aineid, nagu kemikaalid või tolm. Käesolev standard ei käsitle neid masinaid, mille elektrivarustuse nimipinge on suurem kui 50 V. Masina stabiilsus dünaamilises olukorras ei ole käesolevas standardis käsitletud. Käesolevas standardis käsitletud üldiste ohtude nimestik on toodud lisas A. Lisa A näitab ka ohud, mida ei ole käsitletud või mida on osaliselt käsitletud. See lisa on nimestik nendest olulistest ohtudest, mis on ühised põllumajanduslikele liikur-, ripp-, poolripp- ja haakemasinatele. Selles lisas A võivad paljud erimasinate ohud olla mitte käsitletud. Keskkonnaaspekte ei ole käesolevas standardis arvesse võetud. Käesolev standard kehtib peamiselt nendele masinatele, mis on valmistatud pärast standardi väljaandmi

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**65.060.10**

**Põllutöötraktorid ja haagised**

Agricultural tractors and trailed vehicles

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**UUED STANDARDID**

**EVS-EN 1853:2002**

Hind 126,00

Identne EN 1853:1999

**Põllumajandusmasinad.**

**Kallurhaagised. Ohutus**

Käesolev standard määrab kindlaks (spetsifitseerib) eriomased (spetsiifilised) ohutusnõuded ning nende kontrollimise korra põllumajanduslike kallurkastiga täis- ja poolhaagiste konstrueerimiseks ja valmistamiseks, kusjuures põllumajandushaagise mõiste viitab veokile, mida põllumajanduses kasutatakse üksnes vedudeks ning mis konstruktsioonist tulenevalt on kohandatav ja ette nähtud traktoriga või põllumajandusliku liikurmasinaga vedamiseks. Käesolev standard ei ole rakendatav eemaldatava veokastiga haagistele. Lisaks esitab see standard näidisteabe tootja poolt ette nähtud ohutute töötamistavade kohta. Käesolevas standardis käsitletud oluliste ohtude nimestik on toodud lisas A. Lisa A näitab ka ohud, mida ei ole käsitletud. Keskkonnaaspekte ei ole käesolevas standardis arvesse võetud. Käesolev standard kehtib peamiselt nendele masinatele, mis on valmistatud pärast standardi väljaandmise kuupäeva.

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**65.060.25**

**Väetiste ladustamise, ettevalmistamise ja laotamise seadmed**

Equipment for storage, preparation and distribution of fertilizers

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 36452

Tähtaeg: 2003-01-01

Identne prEN 13080:2002

**Agricultural machinery -**

**Manure spreaders -**

**Environmental protection -**

**Requirements and test methods**

This European Standard specifies test methods and requirements for the design and construction of manure spreaders for spreading manure in agriculture and horticulture with the intention of minimising the environmental damage

prEVS 38971

Tähtaeg: 2003-01-01

Identne prEN 13406:2002

**Agricultural machinery - Slurry tankers and spreading devices - Environmental protection - Requirements and test methods for the spreading precision**

This European Standard specifies test methods and requirements for the design and construction of slurry tankers for broadcasting and band spreading of slurry in agriculture and horticulture with the intention of minimising the environmental damage

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### 65.060.35

#### Niisutusseadmed

Irrigation and drainage equipment

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54078

Tähtaeg: 2003-01-01

Identne prEN 12484-4:2002

**Irrigation techniques - Automatic turf irrigation systems - Part 4: Installation and Acceptance**

This European Standard specifies the installation methods and the automatic turf irrigation system handover. Annex A should be used as a check list for system handover (excluding pump stations)

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### 65.060.40

#### Taimehooldusseadmed

Plant care equipment

#### UUED STANDARDID

EVS-ISO 5682-1:2002

Hind 130,00

Identne ISO 5682-1:1996

**Taimkaitseadmed.**

**Pritsimisseadmed. Osa 1: Pritsi pihustite katsetusmeetodid**

Standardi ISO 5682 käesolev osa esitab üksikasjalikult (spetsifitseerib) meetodid hüdraulilise pihustamisega hüdropritsipihustite täpsuse hindamiseks. See kehtib ainult

taimekaitseks ja väetamiseks kasutatavate põllumajanduslike ripp-, haake- ja liikurpritside hüdropihustitele.

EVS-ISO 5682-2:2002

Hind 92,00

Identne ISO 5682-2:1997

**Taimkaitseadmed.**

**Pritsimisseadmed. Osa 2:**

**Hüdropritside**

**katsetusmeetodid**

Standardi ISO 5682 käesolev osa esitab üksikasjalikult (spetsifitseerib) põllukultuuride hüdropritside katsetamise ning tootlikkuse ja jaotamise täpsuse hindamise meetodid. See on rakendatav põllumajanduslikele põllukultuuride hüdropritsidele, välja arvatud käsipritsid ja lennukitele paigaldatud pritsid.

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### 65.060.70

#### Aiatööriistad

Horticultural equipment

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 40151

Tähtaeg: 2002-12-01

Identne EN 50338:2000

**Safety of household and similar electrical appliances - Particular requirements for pedestrian controlled battery powered electrical lawnmowers**

This standard deals with the safety of pedestrian controlled battery powered electrical, cylinder or rotary lawnmowers designed primarily for use around the home or for similar purposes, the rated voltage of the battery being not more than 42V d.c.

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### 65.080

#### Väetised

Fertilizers

#### UUED STANDARDID

EVS-EN 12945:2002

Hind 83,00

Identne EN 12945:2002

**Liming materials -**

**Determination of neutralizing value - Titrimetric methods**

This European Standard specifies two methods for the determination of the neutralizing value (NV) of liming materials. Method A is applicable to liming materials except silicate liming materials and liming materials with more than 3

% P<sub>2</sub>O<sub>5</sub>. Method B is applicable to all liming materials except those with more than 3 % P<sub>2</sub>O<sub>5</sub>.

EVS-EN 12948:2002

Hind 92,00

Identne EN 12948:2002

**Liming materials -**

**Determination of size distribution by dry and wet sieving**

This European Standard specifies two methods for the determination of the particle size distribution of liming materials. The dry sieving method (method A) is applicable to all liming materials except wet and paste-like products. Method A is not applicable, if blinding, caking, electrostatic charges or agglomeration occur on predrying.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54183

Tähtaeg: 2003-01-01

Identne prEN 13971:2002

**Carbonate liming materials - Determination of reactivity - Potentiometric titration method with hydrochloric acid**

This European standard specifies a method for the determination of the speed and effectiveness of the neutralizing potential of calcium carbonate and calcium magnesium carbonate liming materials by potentiometric titration with hydrochloric acid

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### 67.050

#### Üldised toidu katse- ja analüüsimeetodid

General methods of tests and analysis for food products

#### UUED STANDARDID

EVS-EN 13751:2002

Hind 92,00

Identne EN 13751:2002

**Kiiritatud toidu**

**kindlakstegemine**

**fotoindutsseeritud**

**luminescentsseeritud.**

This European Standard specifies a method for the detection of irradiated foods using photostimulated luminescence (PSL). The technique described here comprises an initial measurement of PSL intensity which may be used for screening purposes, and a calibration method to determine the PSL sensitivity to

assist classification. It is necessary to confirm a positive screening result using calibrated PSL or another standardised (e.g. EN 1784 to EN 1788) or validated method

**EVS-EN 13804:2002**

Hind 101,00

Identne EN 13804:2002

**Toiduained. Raskemetallide määramine. Määramise tingimused ja üldpõhimõtted.**

This European Standard specifies performance criteria for the selection of methods of analysis of trace elements in foodstuffs. It provides general considerations about the special requirements on sample preparation, apparatus, equipment and reagents for trace elements analysis. In selecting a method of analysis for a specific food matrix, the analyst should give preference to any method which has been developed by the appropriate vertical Technical Committee rather than using a method which has been developed by the horizontal Technical Committee CEN/TC 275/WG 10. However it is the responsibility of the analyst to determine whether an applicable vertical standard has been published.

**EVS-EN 13806:2002**

Hind 92,00

Identne EN 13806:2002

**Toiduained. Raskemetallide määramine. Elavhõbeda määramine rõhu all mineraliseerimisega aatom- absorptsiooni külma auru meetodil (CVAAC).**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54404

Tähtaeg: 2003-01-01

Identne prEN 13610:2002

**Chemical disinfectants - Quantitative suspension test for the evaluation of virucidal activity against bacteriophages of chemical disinfectants used in food and industrial areas - Test method and requirements (phase 2, step 1)**

This European Standard specifies a test method (phase 2, step 1) and requirements for the minimum virucidal activity against bacteriophages of chemical disinfectants that form a homogeneous, physically stable preparation in hard water and that are used in food and industrial areas, excluding areas and

situations where disinfection is medically indicated and excluding products used on living tissues

**67.060**

**Teravili ja kaunvili ning nendest valmistatud tooted**

Cereals, pulses and derived products

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 52745

Tähtaeg: 2003-01-01

Identne ISO 5529:1992

**Nisu. Setteindeksi määramine - Zeleny test**

Standard describes the method, known as "test of Zeleny", to specify the sedimentation index in context of baking quality. Method validadates only wheat *Triticum aestivum*.

prEVS 52746

Tähtaeg: 2002-12-01

Identne EVS 820:2002

**Teravili ja teraviljasaadused. Toorkiu määramine.**

Standard specifies a method for the determination of crude fibre value in cereals and milled cereals products

**67.100.10**

**Piim ja töödeldud piimatooted**

Milk and processed milk products

**UUED STANDARDID**

**EVS-EN ISO 5764:2002**

Hind 109,00

Identne ISO 5764:2002

ja identne EN ISO 5764:2002

**Milk - Determination of freezing point - Thermistor cryoscope method (Reference method)**

This International Standard specifies a reference method for the determination of the freezing point of raw, pasteurized, UHT-treated or sterilized whole milk, partially skimmed milk and skimmed milk by using a thermistor cryoscope.

**67.250**

**Toiduga kokkupuutuvad materjalid ja esemed**

Materials and articles in contact with foodstuffs

**UUED STANDARDID**

**EVS-EN 14233:2002**

Hind 109,00

Identne EN 14233:2002

**Materials and articles in contact with foodstuffs - Plastics - Temperature at the plastics/food interface - Determination of temperature of plastics materials and articles at the plastics/food interface during microwave and conventional oven heating in order to select the appropriate temperature for migration testing**

This European Standard specifies methods to measure the temperature reached by plastics materials and articles in contact with foodstuffs during microwave heating and conventional oven heating in order to select the appropriate temperature for migration testing. It is applicable to all plastics materials and articles for which the food(s) with which they will come into contact under worst foreseeable conditions of use is/are known. This includes pre-packaged foods such as ready meals which will be heated in the packaging, and for foods which need some pre-preparation but which include the cooking container in the pack, e.g. cake mixes. The method is also suitable for plastics materials and articles to be used for preparing foods in the home or for use in commercial food preparation where the article is supplied as a stand-alone item, i.e. not containing or not including food at the point of sale.

**EVS-EN 1186-15:2002**

Hind 117,00

Identne EN 1186-15:2002

**Materials and articles in contact with foodstuffs - Plastics - Part 15 : Alternative test methods to migration into fatty food simulants by rapid extraction into iso-octane and/or 95% ethanol**

This European Standard specifies two alternative test methods, in the sense of an extraction test with a more severe' test character, for the assessment of the overall migration into fatty food simulants. Method A is based on the determination of the extraction of migrateable substances from plastics which are intended to come into contact with foodstuffs, by total immersion in non-polar, iso-octane, and/or polar, ethanol, solvents depending on the polarity of the packaging material

## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 25684

Tähtaeg: 2003-01-01

Identne EN 1186-11:2002

### **Materials and articles in contact with foodstuffs - Plastics - Part 11: Test methods for overall migration into mixtures of C-labelled synthetic triglycerides**

This European Standard specifies test methods for the determination of the overall migration into fatty food simulants from plastics materials and articles into a mixture of 14C-labelled synthetic triglycerides at temperatures above 20 °C and up to, and including, 121 °C for selected times

prEVS 38297

Tähtaeg: 2003-01-01

Identne EN 1186-13:2002

### **Materials and articles in contact with foodstuffs - Plastics - Part 13: Test methods for overall migration at high temperatures**

This European Standard specifies test methods for the determination of the overall migration into fatty food simulants from plastics materials and articles, by total immersion of test specimens in a fatty food simulant at temperatures from 100 °C up to and including, 175 °C for selected times. Also described is a procedure with a substitute test medium. In this substitute procedure the mass of components adsorbed on modified polyphenylene oxide (MPPO) is taken as a measure for the assessment of the overall migration into olive oil

prEVS 38299

Tähtaeg: 2003-01-01

Identne EN 1186-14:2002

### **Materials and articles in contact with foodstuffs - Plastics - Part 14: Test methods for 'substitute tests' for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95 % ethanol**

This European Standard specifies test methods for 'substitute tests' performed with volatile test media, iso-octane and 95 % v/v aqueous ethanol, for the determination of overall migration from plastics intended to come into contact with fatty foodstuffs at all temperatures and for any period of time

prEVS 54029

Tähtaeg: 2003-01-01

Identne prEN 648:2002

### **Toiduainetega kokkupuutuv paber ja papp. Fluorestseeriva valgendiga valgendatud paberi ja papi värvikindluse määramine**

This standard describes procedures for testing of fluorescent whitened paper and board intended to come into contact with foodstuffs. Two procedures are given. Procedure A for contact of long duration (e.g. foodpackaging) and procedure B for contact of short duration (e.g. napkins, kitchen papers, household papers).

prEVS 54155

Tähtaeg: 2003-01-01

Identne prEN 14481:2002

### **Materials and articles in contact with foodstuffs - Plastics - Test methods for the determination of fatty contact**

This Part of this European Standard specifies a test method to determine whether there is fatty contact and is applicable to all foods. Testing some foods can require modifications to the method. The method is applicable to contact situations from -20 °C to 100 °C

prEVS 54163

Tähtaeg: 2003-01-01

Identne EN 1186-10:2002

### **Materials and articles in contact with foodstuffs - Plastics - Part 10: Test methods for overall migration into olive oil (modified method for use in cases where incomplete extraction of olive oil occurs)**

This European Standard specifies test methods for the determination of the overall migration into fatty food simulants from plastics materials and articles, by total immersion of test specimens in a fatty food simulant at any temperatures above 5 °C up to and including 175 °C for selected times

prEVS 54256

Tähtaeg: 2003-01-01

Identne ISO/FDIS 8442-5:2002

ja identne prEN ISO 8442-5:2002

### **Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 5:**

#### **Specification for sharpness and edge retention test of cutlery**

This European Standard specifies the sharpness and edge retention of knives which are produced for professional and domestic use in the preparation of food of all kinds, specifically those knives intended for hand use. Powered blade instruments of any kind are excluded

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## **67.260**

### **Toiduainetööstuse ettevõtted ja seadmed**

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Plants and equipment for the food industry

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## **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 32816

Tähtaeg: 2003-01-01

Identne prEN 13208:2002

### **Food processing machinery - Vegetable peelers - Safety and hygiene requirements**

This European standard specifies the safety and hygiene requirements for the design and manufacture of vegetable peelers used in the commercial and institutional catering industry, and in food shops. The machines concerned by this standard are designed to peel different sorts of vegetables and tubers such as potatoes, carrots, salsify, turnips, celery and onions

prEVS 54021

Tähtaeg: 2003-01-01

Identne prEN 13732:2002

**Food processing machinery - Bulk milk coolers on farms - Requirements for construction, performance, suitability for use, safety and hygiene**

This European Standard specifies requirements for design, construction, performance, suitability for use, safety and hygiene of refrigerated bulk bovine milk coolers and the related methods of test

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## 71.040.10

### Keemialaborid. Laboriseadmed

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Chemical laboratories.  
Laboratory equipment

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## UUED STANDARDID

### EVS-EN 13792:2002

Hind 83,00

Identne EN 13792:2002

#### Colour coding of taps and valves for use in laboratories

This European standard specifies colour codes and nomenclature for liquids, gases and vacuum and the application of these codes and nomenclature on or in the vicinity of laboratory service controls. This European Standard does not apply to medical or healthcare facilities using medical gases from a medical supply system conforming to EN 737

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## 71.100.30

### Lõhkeained. Pürotehnika

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Explosives. Pyrotechnics

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## UUED STANDARDID

### EVS-EN 13630-2:2002

Hind 75,00

Identne EN 13630-2:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 2: Determination of thermal stability of detonating cords and safety fuses

This European Standard specifies a method of determining the thermal stability of detonating cords and safety fuses for civil uses by subjecting them to an elevated temperature.

### EVS-EN 13630-3:2002

Hind 75,00

Identne EN 13630-3:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 3: Determination of sensitiveness to friction of the core of detonating cords

This European Standard specifies a method of determining the sensitiveness to friction of the core of flexible plastics-coated detonating cords, and flexible fibrous-overbraided detonating cords for civil uses.

### EVS-EN 13630-4:2002

Hind 92,00

Identne EN 13630-4:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 4: Determination of sensitiveness to impact of detonating cords

This European Standard specifies a method for determining the sensitiveness to impact of flexible, plastic coated detonating cords, and flexible fibrous-overbraided detonating cords for civil uses, for an impact stress up to 10 joules.

### EVS-EN 13630-7:2002

Hind 75,00

Identne EN 13630-7:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 7: Determination of reliability of initiation of detonating cords

This European standard specifies a method for determining the reliability of initiation of flexible plastic-coated detonating cords and flexible fibrous-overbraided detonating cords for civil uses, by a detonator of defined initiating capability.

### EVS-EN 13630-8:2002

Hind 83,00

Identne EN 13630-8:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 8: Determination of resistance to water of detonating cords and safety fuses

This European Standard specifies a method for determining the resistance to water of flexible plastic-coated detonating cords, flexible fibrous-overbraided detonating cords and water resistant safety fuses.

### EVS-EN 13631-2:2002

Hind 83,00

Identne EN 13631-2:2002

#### Explosives for civil uses - High explosives - Part 2: Determination of thermal stability of explosives

This European Standard specifies a method to assess the stability of explosives by subjecting them to elevated thermal conditions.

### EVS-EN 13631-4:2002

Hind 92,00

Identne EN 13631-4:2002

#### Explosives for civil uses - High explosives - Part 4: Determination of sensitiveness to impact of explosives

This European Standard specifies a method for determining the sensitiveness to impact of explosives.

### EVS-EN 13631-5:2002

Hind 83,00

Identne EN 13631-5:2002

#### Explosives for civil uses - High explosives - Part 5: Determination of resistance to water

This European Standard specifies a method of determining the resistance to water of cartridge or bulk high explosives for civil uses which are designed to be used for blasting operations in wet conditions.

### EVS-EN 13763-3:2002

Hind 75,00

Identne EN 13763-3:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 11: Determination of velocity of detonation of detonating cords

This European Standard specifies a method for determining the velocity of detonation of detonating cords

### EVS-EN 13630-11:2002

Hind 75,00

Identne EN 13630-11:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 11: Determination of velocity of detonation of detonating cords

This European Standard specifies a method for determining the velocity of detonation of detonating cords.

### EVS-EN 13630-12:2002

Hind 75,00

Identne EN 13630-12:2002

#### Explosives for civil uses - Detonating cords and safety fuses - Part 12: Determination of burning duration of safety fuses

This European Standard specifies methods for determining the burning duration of safety fuses.

## KAVANDITE

## ARVAMUSKÜSITLUS

prEVS 54212

Tähtaeg: 2003-01-01

Identne prEN 14035-34:2002

**Fireworks - Part 34: Table bombs - Specification and methods of test**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of table bombs and the corresponding test methods. It is applicable to fireworks which are classified as table bombs in category 1 prEN 14035-2 which contain pyrotechnic composition that is nitrocellulose, with a mass fraction of not more than 12,6 % of nitrogen

prEVS 54213

Tähtaeg: 2003-01-01

Identne prEN 14035-23:2002

**Fireworks - Part 23: Non-hand-held sparklers - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of non-hand-held sparklers and the corresponding test methods. It is applicable to fireworks which are classified as non-hand-held sparklers in categories 1 and 2 in prEN 14035-2 and which are contained in a primary pack or selection pack

prEVS 54214

Tähtaeg: 2003-01-01

Identne prEN 14035-19:2002

**Fireworks - Part 19: Hand-held sparklers - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of hand-held sparklers and the corresponding test methods. It is applicable to fireworks which are classified as hand-held sparklers in categories 1 and 2 in prEN 14035-2 and which are contained in a primary pack or selection pack

prEVS 54215

Tähtaeg: 2003-01-01

Identne prEN 14035-4:2002

**Fireworks - Part 4: Banger and banger batteries - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of bangers and banger batteries and the corresponding test methods. It is applicable to fireworks which are classified as bangers and banger batteries in categories 1, 2 and 3 according to prEN 14035-2 and which contain

pyrotechnic report composition that is black powder only

prEVS 54216

Tähtaeg: 2003-01-01

Identne prEN 14035-15:2002

**Fireworks - Part 15: Fountains - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of fountains and the corresponding test methods. It is applicable to indoor fireworks which are classified as fountains in category 1 in prEN 14035-2 and in which the pyrotechnic composition is based on nitrocellulose with a mass fraction of not more than 12,6 % of nitrogen

prEVS 54217

Tähtaeg: 2003-01-01

Identne prEN 14035-27:2002

**Fireworks - Part 27: Rockets - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of rockets and the corresponding test methods. It is applicable to fireworks which are classified as rockets in categories 2 and 3 in prEN 14035-2

prEVS 54218

Tähtaeg: 2003-01-01

Identne prEN 14035-2:2002

**Fireworks - Part 2: Categorisation**

This European Standard specifies a system for the categorisation of fireworks.

prEVS 54219

Tähtaeg: 2003-01-01

Identne prEN 14035-12:2002

**Fireworks - Part 12: Flash bangers and flash banger batteries - Specification and test methods**

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of flash bangers and flash banger batteries and the corresponding test methods. It is applicable to fireworks which are classified as flash bangers and flash banger batteries in categories 1, 2 and 3 in prEN 14035-2 which contain pyrotechnic report composition that is nitrate/metal-based or perchlorate/metal-based

prEVS 54327

Tähtaeg: 2003-01-01

Identne prEN 13938-3:2002

**Explosives for civil uses - Propellants and rocket propellants - Part 3: Determination of deflagration to detonation transition**

This European Standard specifies a method to determine the tendency of a propellant to undergo transition from deflagration to detonation. It applies to propellants of a grain size up to 8 mm. This method does not apply to black powder

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**71.100.35**

**Kemikaalid tööstuslikuks ja koduseks desinfektsiooniks**

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Chemicals for industrial and domestic disinfection purposes

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54404

Tähtaeg: 2003-01-01

Identne prEN 13610:2002

**Chemical disinfectants - Quantitative suspension test for the evaluation of virucidal activity against bacteriophages of chemical disinfectants used in food and industrial areas - Test method and requirements (phase 2, step 1)**

This European Standard specifies a test method (phase 2, step 1) and requirements for the minimum virucidal activity against bacteriophages of chemical disinfectants that form a homogeneous, physically stable preparation in hard water and that are used in food and industrial areas, excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues

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**71.100.40**

**Pindaktiivsed ained**

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Surface active agents

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 34366

Tähtaeg: 2003-01-01

Identne prEN 13405:2002

**Surface active agents - Determination of dialkyl-tetralins content in linear alkylbenzene by high performance liquid chromatography (HPLC)**

This European Standard specifies a method for the determination of dialkyl-tetralins (DAT), being 1,4-dialkyl-2,3-dihydro-naphthalene in linear alkylbenzene (LAB) in the range of the mass fraction of 0,5 % to 10 %

prEVS 54126

Tähtaeg: 2003-01-01

Identne prEN 13996:2002

**Surface active agents - Foaming power and antifoaming power - Turbine stirring method**

This European Standard specifies a method for measuring the foaming power of a surface active agent and the antifoaming power of a defoamer with regard to a foaming solution

prEVS 54148

Tähtaeg: 2003-01-01

Identne prEN 14480:2002

**Surface active agents - Determination of anionic surface active agents - Potentiometric two-phase titration method**

This European Standard specifies a method for the determination of the content of anionic surface active agents in raw materials, defined as being the amount of anionic surface active agents expressed in millimoles per 100 g of product

prEVS 54451

Tähtaeg: 2003-01-01

Identne prEN 13955:2002

**Surface active agents - Determination of Krafft point and solubility of ionic surface active agents**

This European Standard specifies a method for the determination of the solubility of ionic surface active agents in water as a function of concentration and temperature and for the determination of the Krafft point by graphical evaluation of the measurement results

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**71.100.80**

**Kemikaalid vee puhastamiseks**

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Chemicals for purification of water

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**UUED STANDARDID**

**EVS-EN 973:2002**

Hind 212,00

Identne EN 973:2002

**Chemicals used for treatment of water intended for human consumption - Sodium chloride for regeneration of ion exchangers**

This European Standard is applicable to sodium chloride intended for use only in water treatment apparatus, for the regeneration of ion exchangers, intended for water for human consumption. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium chloride. It gives information on its use in water treatment

**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54115

Tähtaeg: 2003-01-01

Identne prEN 878:2002

**Inimtarbevee töötlemiseks kasutatavad kemikaalid. Alumiiniumsulfaat**

This European Standard describes the characteristics and specifies the requirements of aluminium sulfate used for treatment of water intended for human consumption and gives reference to the analytical methods. It gives information on its use in water treatment.

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**75.020**

**Nafta ja maagaasi ammutamine ja töötlemine**

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Extraction and processing of petroleum and natural gas

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54389

Tähtaeg: 2003-01-01

Identne ISO 10426-1:2000/

A1:2002

ja identne EN ISO 10426-1:2000/

A1:2002

**Petroleum and natural gas industries - Cements and materials for well cementing - Part 1: Specification**

This standard specifies requirements and gives recommendations for eight classes of well cements, including their chemical and physical requirements and procedures for physical testing.

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**75.060**

**Maagaas**

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Natural gas

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**KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54196

Tähtaeg: 2003-01-01

Identne ISO 10723:1995

ja identne EN ISO 10723:2002

**Natural gas - Performance evaluation for on-line analytical systems**

This International Standard specifies a method of determining whether an analytical system for natural gas is satisfactory, on the assumptions that a) the analytical requirement has been clearly and unambiguously defined, for the range and uncertainty of component concentration measurements, and the uncertainty of properties which may be calculated from these measurements;

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**75.080**

**Naftasaadused üldiselt**

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Petroleum products in general

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**UUED STANDARDID**

**EVS-EN ISO 1523:2002**

Hind 92,00

Identne ISO 1523:2002

ja identne EN ISO 1523:2002

**Determination of flashpoint - Closed cup equilibrium method**

This International Standard describes one of two closed cup equilibrium methods for the determination of the flash point of paints, varnishes, petroleum and related products, and it should be read in conjunction with the second equilibrium method, ISO 3679, when selecting method.

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**75.120****Hüdroüsteemide  
töövedelikud**

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**Hydraulic fluids**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 27493

Tähtaeg: 2003-01-01

Identne prEN 14489:2002

**Fire-resistant hydraulic fluids -  
Classification and specification  
- Guidelines on selection for the  
protection of safety, health and  
the environment**

This standard gives guidance on the achievement of compliance with EHSR s by the selection of fire-resistant fluids or by other means. It includes consideration of the selection of fluids with lower levels of fire resistance and of mineral oil, with appropriate additional safety measures, where this may be considered to be most satisfactory operationally

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**75.140****Vahad, bituumsed  
materjalid jm naftatooted**

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**Waxes, bituminous materials  
and other petroleum  
products**

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**UUED STANDARDID****EVS-EN 12846:2002**

Hind 92,00

Identne EN 12846:2002

**Bitumen and bituminous  
binders - Determination of  
efflux time of bitumen  
emulsions by the efflux  
viscometer**

This European Standard specifies a method for the determination of the efflux time of bitumen emulsions.\*

**EVS-EN 12847:2002**

Hind 83,00

Identne EN 12847:2002

**Bitumen and bituminous  
binders - Determination of  
settling tendency of bitumen  
emulsions**

This European Standard specifies a method for the determination of the settling tendency of bitumen emulsions.

**EVS-EN 12848:2002**

Hind 66,00

Identne EN 12848:2002

**Bitumen and bituminous  
binders - Determination of  
mixing stability with cement of  
bitumen emulsions**

This European Standard specifies a method for the determination of mixing stability of bitumen emulsions with cement. It applies to over-stabilized cationic bitumen emulsions and to slow-setting and over-stabilized anionic bitumen emulsions.

**EVS-EN 12849:2002**

Hind 83,00

Identne EN 12849:2002

**Bitumen and bituminous  
binders - Determination of  
penetration power of bitumen  
emulsions**

This European Standard specifies a method for the determination of the penetration power of bitumen emulsions. This test method is applicable to low-viscosity bitumen emulsions.

**EVS-EN 12850:2002**

Hind 66,00

Identne EN 12850:2002

**Bitumen and bituminous  
binders - Determination of the  
pH value of bitumen emulsions**

This European Standard specifies a method for measuring the pH value of bitumen emulsions. It is applicable to anionic, cationic and non-ionic bitumen emulsions.

**EVS-EN 13074:2002**

Hind 57,00

Identne EN 13074:2002

**Petroleum products - Bitumen  
and bituminous binders -  
Recovery of binder from  
bitumen emulsions by  
evaporation**

This European Standard specifies a method for the recovery of binder from bitumen emulsions in a manner that will permit further testing with minimum changing the characteristics of the binder.

**EVS-EN 13075-1:2002**

Hind 109,00

Identne EN 13075-1:2002

**Bitumen and bituminous  
binders - Determination of  
breaking behaviour - Part 1:  
Determination of breaking  
value of cationic bitumen  
emulsions, mineral filler  
method**

This European Standard specifies a method for the determination of the breaking value of cationic bitumen emulsions.

**EVS-EN 13075-2:2002**

Hind 75,00

Identne EN 13075-2:2002

**Bitumen and bituminous  
binders - Determination of  
breaking behaviour - Part 2:  
Determination of fines mixing  
time of cationic bitumen  
emulsions**

This European Standard specifies a method for the determination of the fines mixing time of cationic bitumen emulsions, under standardized conditions.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 38591

Tähtaeg: 2003-02-01

Identne prEN 13357:2002

**Bitumen and bituminous  
binders - Determination of the  
efflux time of petroleum cut-  
back and fluxed bitumens**

This European Standard specifies a method for the determination of the efflux time (pseudoviscosity) of petroleum cut-back and fluxed bitumens in seconds using an efflux viscometer

prEVS 54302

Tähtaeg: 2003-01-01

Identne prEN 12697-25:2002

**Bituminous mixtures - Test  
methods for hot mix asphalt -  
Part 25: Cyclic compression test**

This draft European Standard describes two test methods (A and B) for determination of the resistance to permanent deformation

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**75.160.10****Tahkekütused**

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**Solid fuels**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 24828

Tähtaeg: 2003-02-01

Identne prEN 1860-1:2002

**Appliances, solid fuels and  
firelighters for barbecuing -  
Part 1: Barbecues burning solid  
fuels - Requirements and test  
methods**

This Part of this European Standard is applicable to barbecues which burn solid fuels, except single use barbecues. Barbecues which are intended to be converted from other fuels to solid fuels are also applicable to this standard



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**75.160.20**  
**Vedelkütused**

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Liquid fuels

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**UUED STANDARDID**

**EVS-EN 13723:2002**

Hind 83,00

Identne EN 13723:2002

**Petroleum products -  
Determination of low lead  
contents in gasolines -  
Wavelength-dispersive X-ray  
fluorescence spectrometry  
(XRF)**

This European Standard specifies a method for the determination of the lead content of gasolines with a lead concentration from 4 mg/l to 25 mg/l.

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**75.160.30**  
**Gaaskütused**

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Gaseous fuels

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**UUED STANDARDID**

**EVS-EN 13856:2002**

Hind 66,00

Identne EN 13856:2002

**Minimum requirements for the  
content of the user manual for  
automotive LPG systems**

This European Standard specifies the minimum requirements for the contents of the user manual for Automotive LPG propulsion systems fitted in road vehicles. This standard does not cover the user manual for forklift trucks or other industrial machinery.

**KAVANDITE**  
**ARVAMUSKÜSITLUS**

prEVS 54346

Tähtaeg: 2003-01-01

Identne prEN 13673-2:2002

**Determination of maximum  
explosion pressure and  
maximum explosion pressure  
rise of gases and vapours -  
Part 2: Determination of the  
maximum explosion pressure  
rise**

The standard test method is designed to produce measurements of the explosion pressure rise and the maximum explosion pressure rise of a flammable gas/air/inert mixture in a closed volume at ambient temperature and pressure. In this standard, the term "gas" includes vapours but not mists. Detonation and decomposition phenomena are not considered in this standard

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**75.180.20**  
**Töötlemisseadmed**

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Processing equipment

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**KAVANDITE**  
**ARVAMUSKÜSITLUS**

prEVS 54142

Tähtaeg: 2003-01-01

Identne ISO 13631:2002

ja identne EN ISO 13631:2002

**Petroleum and natural gas  
industries - Packaged  
reciprocating gas compressors**

This international Standard gives requirements and recommendations for the design, materials, fabrication, inspection, testing and preparation for shipment of packaged skid-mounted, reciprocating, separable or integral compressors with lubricated cylinders and their prime movers, for use in the petroleum and natural gas industries for the compression of hydrocarbon gas

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**77.040.10****Metallide mehaaniline  
katsetamine**

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Mechanical testing of metals

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**KAVANDITE**  
**ARVAMUSKÜSITLUS**

prEVS 54197

Tähtaeg: 2003-01-01

Identne ISO 9513:1999

ja identne EN ISO 9513:2002

**Metallic materials - calibration  
of extensometers used in  
uniaxial testing**

This international Standard specifies a method for the static calibration of extensometers used in uniaxial testing

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**77.040.20****Metallide mittepurustav  
katsetamine**

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Non-destructive testing of  
metals

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**KAVANDITE**  
**ARVAMUSKÜSITLUS**

prEVS 54370

Tähtaeg: 2003-01-01

Identne prEN 10246-7:2002

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**Non-destructive testing of steel  
tubes - Part 7: Automatic full  
peripheral ultrasonic testing of  
seamless and welded (except  
submerged arc welded) tubes  
for the detection of longitudinal  
imperfections**

This Part of EN 10 246 specifies the requirements for automatic full peripheral ultrasonic shear wave and Lamb wave testing of seamless and welded steel tubes, with the exception of submerged arc-weld (SAW) tubes, for the detection of longitudinal imperfections. The standard specifies acceptance levels and calibration procedures

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**77.040.30****Metallograafia jm  
katsemetodid**

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Metallographic and other  
methods of testing

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**KAVANDITE**  
**ARVAMUSKÜSITLUS**

prEVS 34890

Tähtaeg: 2003-01-01

Identne ISO 10714:1992

ja identne EN ISO 10714:2002

**Steel and iron - Determination  
of phosphorus content -  
Phosphovanadomolybdate  
spectrophotometric method**

This standard specifies a spectrophotometric method for the determination of phosphorus in steel and iron with the following limitations. The method is applicable to phosphorus contents between 0,0010 % (m/m) and 1,0 % (m/m)

prEVS 52063

Tähtaeg: 2003-01-01

Identne ISO 9556:1989

ja identne EN ISO 9556:2001

**Steel and iron - Determination  
of total carbon content -  
Infrared absorption method  
after combustion in an  
induction furnace**

This International Standard specifies an infrared absorption method after combustion in an induction furnace for the determination of the total carbon content in steel and iron

prEVS 54229

Tähtaeg: 2003-01-01

Identne prEN 12441-5:2002

**Zinc and zinc alloys - Chemical  
analysis - Part 8: Determination  
of tin in secondary zinc - Flame  
atomic absorption  
spectrometric method**

This European Standard specifies an analytical method for the determination of tin in secondary zinc by atomic absorption spectrometry. It is applicable to the products specified in prEN 13283. It is suitable for the determination of tin mass fractions between 0,1 % and 1,0 %

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## 77.060

### Metallide korrosioon

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#### Corrosion of metals

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54230

Tähtaeg: 2003-01-01

Identne prEN 14505:2002

#### Cathodic protection of complex structures

This European Standard applies if the electrical isolation of structures, whether for technical or safety reasons, is not possible. It describes principles for the design of cathodic protection systems for complex structures, outlining practical steps for implementing these designs, measuring methods and criteria for assessing cathodic protection effectiveness

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## 77.080.01

### Mustmetallid üldiselt

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#### Ferrous metals in general

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 38505

Tähtaeg: 2003-02-01

Identne ISO 14284:1996

ja identne EN ISO 14284:2002

#### Steel and iron - Sampling and preparation of samples for the determination of chemical composition

This International Standard specifies methods for sampling and sample preparation for the determination of the chemical composition of pig iron, cast iron and steel. Methods are specified for use with both liquid and solid metal.

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## 77.120.01

### Värvilised metallid üldiselt

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#### Non-ferrous metals in general

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#### UUED STANDARDID

EVS-EN 10302:2002

Hind 199,00

Identne EN 10302:2002

#### Creep resisting steels, nickel and cobalt alloys

This European Standard covers the grades of wrought steels and alloys listed in Tables 1 and 2 which are usually employed for components and equipment, for which the main requirement is their creep resistance under mechanical long-time stressing at temperatures above 500 °C. Also heat resisting grades given in EN 10095 may be used for similar applications if so agreed. This European Standard specifies the technical delivery conditions for semi-finished products, for hot or cold rolled sheet/plate and strip, hot or cold formed (cold drawn) bars, rods, wire and sections. The general technical delivery conditions specified in EN 10021 apply in addition to the specifications of this European Standard, unless otherwise specified in this European Standard. This European Standard does not apply to components manufactured by further processing the product forms listed in with quality characteristics altered as a result of such further processing. This European Standard is not intended for aerospace and pressure purposes. For steels and alloys with similar chemical composition, but intended for different applications, see the Bibliography.

EVS-EN 10216-1:2002

Hind 139,00

Identne EN 10216-1:2002

#### Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 1: Non-alloy steel tubes with specified room temperature properties

This Part of EN 10216 specifies the technical delivery conditions for two qualities TR1 and TR2 of seamless tubes of circular cross section with specified room temperature properties made of non-alloy quality steel.

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## 77.120.10

### Alumiinium ja alumiiniumisulamid

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#### Aluminium and aluminium alloys

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#### UUED STANDARDID

EVS-EN 12373-7:2002

Hind 75,00

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

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## 77.120.30

### Vask ja vasesulamid

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#### Copper and copper alloys

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54211

Tähtaeg: 2003-01-01

Identne prEN 1981:2002

#### Vask ja vasesulamid. Ligatuurid

This European Standard specifies the chemical compositions of copper-based master alloys intended for the manufacture, deoxidation, or desulphurization of cast or wrought alloys, especially those based on copper supplied in the form of ingots, notched bar, notched slab or granules.

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## 77.120.60

### Plii, tsink, tina ja nende sulamid

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#### Lead, zinc, tin and their alloys

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54229

Tähtaeg: 2003-01-01

Identne prEN 12441-5:2002

**Zinc and zinc alloys - Chemical analysis - Part 8: Determination of tin in secondary zinc - Flame atomic absorption spectrometric method**

This European Standard specifies an analytical method for the determination of tin in secondary zinc by atomic absorption spectrometry. It is applicable to the products specified in prEN 13283. It is suitable for the determination of tin mass fractions between 0,1 % and 1,0 %

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**77.140.01**

**Malm- ja terastooted üldiselt**

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Iron and steel products in general

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**UUED STANDARDID**

**EVS-EN 10302:2002**

Hind 199,00

Identne EN 10302:2002

**Creep resisting steels, nickel and cobalt alloys**

This European Standard covers the grades of wrought steels and alloys listed in Tables 1 and 2 which are usually employed for components and equipment, for which the main requirement is their creep resistance under mechanical long-time stressing at temperatures above 500 °C. Also heat resisting grades given in EN 10095 may be used for similar applications if so agreed. This European Standard specifies the technical delivery conditions for semi-finished products, for hot or cold rolled sheet/plate and strip, hot or cold formed (cold drawn) bars, rods, wire and sections. The general technical delivery conditions specified in EN 10021 apply in addition to the specifications of this European Standard, unless otherwise specified in this European Standard. This European Standard does not apply to components manufactured by further processing the product forms listed in with quality characteristics altered as a result of such further processing. This European Standard is not intended for aerospace and pressure purposes. For steels and alloys with similar chemical composition, but intended for different applications, see the Bibliography.

**EVS-EN 10216-1:2002**

Hind 139,00

Identne EN 10216-1:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 1: Non-alloy steel tubes with specified room temperature properties**

This Part of EN 10216 specifies the technical delivery conditions for two qualities TR1 and TR2 of seamless tubes of circular cross section with specified room temperature properties made of non-alloy quality steel.

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**77.140.15**

**Armatuurterased**

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Steels for reinforcement of concrete

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 53986

Tähtaeg: 2002-12-01

Identne EVS 832-1:2003

**Teras betooni sarrustamiseks.**

**Osa 1: Üldnõuded**

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**77.140.25**

**Vedruterased**

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Spring steels

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 39190

Tähtaeg: 2003-01-01

Identne prEN 10089:2002

**Hot-rolled steels for quenched and tempered springs - Technical delivery conditions**

This European Standard specifies the technical delivery requirements for round and flat bars, ribbed and grooved bars and rod manufactured from the alloy steels listed in Table 3, intended for hot-formed and subsequently heat-treated springs or cold-formed and subsequently heat-treated springs. The products are supplied in one of the heat-treatment conditions given for the different types of products in Table 1, lines 2 to 6, and in one of the surface conditions given in Table 2

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**77.140.30**

**Surveotstarbelised terased**

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Steels for pressure purposes

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54095

Tähtaeg: 2003-01-01

Identne prEN 10314:2002

**Method for the derivation of minimum values of proof strength of steel at elevated temperatures**

This European Standard specifies a method for deriving the minimum proof strength values for steels at elevated temperatures. However, this standard does not specify a verification procedure

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**77.140.50**

**Lameterastooted ja -pooltooted**

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Flat steel products and semi-products

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**UUED STANDARDID**

**EVS-EN 10154:2002**

Hind 117,00

Identne EN 10154:2002

**Continuously hot-dip aluminium-silicon (AS) coated steel strip and sheet - Technical delivery conditions**

This European Standard specifies requirements for continuously hot-dip aluminium-silicon alloy coated flat products made of low carbon steels for cold forming (see Table 1) or of structural steels (see Table 2) in thicknesses  $\geq 3,0$  mm. The thickness is the final thickness of the delivered product after coating. This European Standard applies to strip of all widths and to sheets cut from it ( $\geq 600$  mm width) and cut lengths ( $< 600$  mm width).

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**77.140.65**

**Terastraat, terastrossid ja ühendusketid**

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Steel wire, wire ropes and link chains

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54286

Tähtaeg: 2003-01-01

Identne prEN 12385-2:2002

**Steel wire ropes - Safety - Part 2: Definitions, designation and classification**

This part of this European Standard defines terms, specifies designations and classifies steel wire ropes and is for use in conjunction with all other parts of this standard. It applies to ropes that have been manufactured after the date of issue of the standard

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## 77.140.75

### Terastorud ja eriotstarbelised torud

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Steel pipes and tubes for specific use

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## UUUED STANDARDID

### EVS-EN 10216-2:2002

Hind 179,00

Identne EN 10216-2:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties**

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

### EVS-EN 10216-3:2002

Hind 170,00

Identne EN 10216-3:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 3: Alloy fine grain steel tubes**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, made of weldable alloyed fine grained steel.

### EVS-EN 10216-4:2002

Hind 163,00

Identne EN 10216-4:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 4: Non-alloy and alloy steel tubes with specified low temperature properties**

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

### EVS-EN 10217-1:2002

Hind 179,00

Identne EN 10217-1:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 1: Non-alloy steel tubes with specified room temperature properties**

This Part of EN 10217 specifies the technical delivery conditions for two qualities TR1 and TR2 of welded tubes of circular cross section, made of non-alloy quality steel and with specified room temperature properties.

### EVS-EN 10217-2:2002

Hind 155,00

Identne EN 10217-2:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

### EVS-EN 10217-3:2002

Hind 190,00

Identne EN 10217-3:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 3: Alloy fine grain steel tubes**

This Part of EN 10217 specifies the technical delivery condition in two test categories for welded tubes of circular cross section, made of weldable alloy fine grain steel.

### EVS-EN 10217-4:2002

Hind 155,00

Identne EN 10217-4:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 4: Electric welded non-alloy steel tubes with specified low temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

### EVS-EN 10217-5:2002

Hind 170,00

Identne EN 10217-5:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

### EVS-EN 10217-6:2002

Hind 170,00

Identne EN 10217-6:2002

**Welded steel tubes for pressure purposes - Technical delivery conditions - Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

## KAVANDITE

### ARVAMUSKÜSITLUS

prEVS 37628

Tähtaeg: 2003-02-01

Identne prEN 10297-1:2002

**Seamless steel tubes for mechanical and general engineering purposes - Technical delivery conditions - Part 1: Non-alloy and alloy steel tubes**

This Part of this European Standard specifies the technical delivery conditions for seamless circular tubes made of non-alloy and alloy steels for mechanical and general engineering purposes

prEVS 38236

Tähtaeg: 2003-01-01

Identne prEN 10305-1:2002

**Steel tubes for precision applications - Technical delivery conditions - Part 1: Seamless cold drawn tubes**

This Part of this European Standard specifies the technical delivery conditions for seamless cold drawn steel tubes of circular cross section for precision applications

prEVS 38237

Tähtaeg: 2003-01-01

Identne prEN 10305-2:2002

**Steel tubes for precision applications - Technical delivery conditions - Part 2: Welded cold drawn tubes**

This Part of this European Standard specifies the technical delivery conditions for welded cold drawn steel tubes of circular cross section for precision application prEVS 38239

Tähtaeg: 2003-01-01

Identne prEN 10305-3:2002

**Steel tubes for precision applications - Technical delivery conditions - Part 3: Welded cold sized tubes**

This Part of this European Standard specifies the technical delivery conditions for welded cold sized steel tubes of circular cross section for precision applications

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**77.140.80**

**Malm- ja terasvalu**

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**Iron and steel castings**

**UUED STANDARDID**

**EVS-EN 1563:2000/A1:2002**

Hind 66,00

Identne EN 1563:1997/A1:2002

**Metallivalu. Keraja grafiidiga malmid**

See Euroopa standard määrab kindlaks keraja grafiidiga malmi margid ja vastavad nõuded. Standard määrab kindlaks mehaanilistel omadustel põhineva klassifikatsiooni. Mehaanilised omadused on mõõdetud töödeldud proovikehadel, mis on tehtud kas eraldi valatud näidistest, koos valatud näidistest või valandist lõigatud näidistest. Standard määrab kindlaks ka liigituse kõvaduse alusel.

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**77.140.99**

**Muud malm- ja terastooted**

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**Other iron and steel products**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54272

Tähtaeg: 2003-01-01

Identne prEN 523:2002

**Eelpingestuvate sarruste terasribadest koorikud.**

**Terminoloogia, nõuded ja kvaliteedikontroll**

This European standard applies to uncoated cylindrical steel sheaths with a corrugated profile and with a nominal internal diameter of up to 130 mm and their connectors (couplers) which are assembled to form ducts for prestressing tendons in post-tensioned prestressed concrete elements. It is only applicable to sheaths and connectors made of interlocked or welded steel strip

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**77.150.01**

**Mitteraudmetallidest tootud üldiselt**

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**Products of non-ferrous metals in general**

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**UUED STANDARDID**

**EVS-EN 10302:2002**

Hind 199,00

Identne EN 10302:2002

**Creep resisting steels, nickel and cobalt alloys**

This European Standard covers the grades of wrought steels and alloys listed in Tables 1 and 2 which are usually employed for components and equipment, for which the main requirement is their creep resistance under mechanical long-time stressing at temperatures above 500 °C. Also heat resisting grades given in EN 10095 may be used for similar applications if so agreed. This European Standard specifies the technical delivery conditions for semi-finished products, for hot or cold rolled sheet/plate and strip, hot or cold formed (cold drawn) bars, rods, wire and sections. The general technical delivery conditions specified in EN 10021 apply in addition to the specifications of this European Standard, unless otherwise specified in this European Standard. This European Standard does not apply to components manufactured by further processing the product forms listed in with quality characteristics altered as a result of such further processing. This European Standard is not intended for aerospace and pressure purposes. For steels and alloys with similar chemical composition, but intended for different applications, see the Bibliography.

**EVS-EN 10216-1:2002**

Hind 139,00

Identne EN 10216-1:2002

**Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 1: Non-alloy steel tubes with specified room temperature properties**

This Part of EN 10216 specifies the technical delivery conditions for two qualities TR1 and TR2 of seamless tubes of circular cross section with specified room temperature properties made of non-alloy quality steel.

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**77.150.10**

**Alumiiniumtooted**

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**Aluminium products**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54123

Tähtaeg: 2003-01-01

Identne prEN 1780-1:2002

**Alumiinium ja**

**alumiiniumisulamid.**

**Ümbersulatuseks, ligatuurideks ja valanditeks kasutatavate legerimata ja legeritud alumiiniumist valukangide tähistus. Osa 1:**

**Numbertähistussüsteem**

This part of EN 1780 describes a five-figure numerical designation system of unalloyed aluminium, aluminium alloys and master alloys. It applies to ingots for remelting and to castings and applies to alloys for all applications including aerospace.

prEVS 54124

Tähtaeg: 2003-01-01

Identne prEN 1780-2:2002

**Alumiinium ja**

**alumiiniumisulamid.**

**Ümbersulatuseks, ligatuurideks ja valanditeks kasutatavate legerimata ja legeritud alumiiniumist valukangide tähistus. Osa 2: Keemilistel sümbolitel põhinev tähistussüsteem**

This part of EN 1780 specifies a code of designation applicable to unalloyed aluminium, aluminium alloys and master alloys as specified in the relevant European Standards. It is a descriptive code based primarily on chemical symbols.

prEVS 54125

Tähtaeg: 2003-01-01

Identne prEN 1780-3:2002

Alumiinium ja alumiiniumisulamid. Ümbersulatuseks, ligatuurideks ja valanditeks kasutatavate leegerimata ja leegeritud alumiiniumist valukangide tähistamine. Osa 3: Keemilise koostise märkimise nõuded  
This part of EN 1780 specifies the writing rules for chemical composition of unalloyed aluminium, aluminium alloys and master alloys. It applies to ingots for remelting and to castings.

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**77.150.30**

**Vasktooted**

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Copper products

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**UUED STANDARDID**

**EVS-EN 13605:2002**

Hind 155,00

Identne EN 13605:2002

**Copper and copper alloys - Copper profiles and profiled wire for electrical purposes**

This European Standard specifies the composition, property requirements including electrical properties, and tolerances on dimensions and form for copper profiles and profiled wire for electrical purposes which would fit within a circumscribing circle of maximum 180 mm diameter

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38727

Tähtaeg: 2003-01-01

Identne prEN 13347:2002

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

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

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**79.060.01**

**Puitpaneelid üldiselt**

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Wood-based panels in general

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**UUED STANDARDID**

**EVS-EN 13446:2002**

Hind 83,00

Identne EN 13446:2002

**Wood-based panels - Determination of withdrawal capacity of fasteners**

This European Standard specifies a test method for determining the withdrawal capacity of nails, screws and staples inserted into wood-based panels.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54309

Tähtaeg: 2003-01-01

Identne prEN 13810-1:2002

**Wood-based panels - Floating floors - Part 1: Performance specifications and requirements**

This European Standard provides the performance specifications and requirements for wood-based panels used in continuously fully supported non-structural floating floors

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**79.060.20**

**Puitkiud- ja puitlaastplaadid**

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Fibre and particle boards

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**UUED STANDARDID**

**EVS-EN 311:2002**

Hind 75,00

Identne EN 311:2002

**Wood-based panels - Surface soundness - Test method**

This European Standard specifies a method of assessing the surface soundness of overlaid wood-based panels and unfaced particleboards, wet and dry process fibreboards and cement bonded particleboards.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54273

Tähtaeg: 2003-01-01

Identne prEN 622-1:2002

**Fibreboards - Specifications - Part 1: General requirements**

This European Standard specifies the requirements for some properties which are common to all uncoated fibreboard types as defined in EN 316

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**79.080**

**Puitpooltooted**

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Semi-manufactures of timber

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 37234

Tähtaeg: 2003-01-01

Identne prEN 13226:2002

**Wood flooring - Solid parquet elements with grooves and/or tongues**

This European Standard specifies the characteristics of solid parquet elements with grooves and/or tongues for internal use as flooring.

This standard is not applicable to panels made from elements for which a separate standard<sup>1)</sup> is in course of preparation. This standard covers elements with or

without surface treatment

prEVS 37235

Tähtaeg: 2003-01-01

Identne prEN 13227:2002

**Wood flooring - Solid lamparquet products**

This European Standard specifies the characteristics of solid lamparquet products for internal use as flooring. It applies to elements. This standard does not

apply to panels made from elements, for which a separate standard<sup>1)</sup> is in course of preparation

prEVS 37236

Tähtaeg: 2003-01-01

Identne prEN 13228:2002

**Wood flooring - Solid wood overlay flooring elements including an interlocking system**

This European Standard specifies the characteristics of solid wood overlay flooring including blocks with an interlocking system for internal use as flooring. It applies to elements. This standard does not

apply to panels made from elements, for which a separate standard<sup>1)</sup> is in course of preparation. This standard covers

elements without surface treatment

prEVS 39453

Tähtaeg: 2003-01-01

Identne prEN 13442:2002

**Wood and parquet flooring and wood panelling and cladding - Determination of the resistance to chemical agents**

This European Standard specifies a test method to determine the resistance of the surface of an element of wood and parquet flooring, panelling and cladding, to a predetermined list of chemical agents they may be exposed to during their service life

prEVS 39741

Tähtaeg: 2003-01-01

Identne prEN 13489:2002

#### **Wood flooring - Multi-layer parquet elements**

This European Standard specifies the characteristics of multi-layer parquet elements for internal use as flooring

prEVS 39743

Tähtaeg: 2003-01-01

Identne prEN 13488:2002

#### **Wood flooring - Mosaic parquet elements**

This European Standard specifies the appearance classes, dimensions and other characteristics of solid wood mosaic parquet fingers, component squares, mosaic parquet laying units and mosaic parquet panels, finished or unfinished, for internal use as flooring

prEVS 54249

Tähtaeg: 2003-01-01

Identne prEN 13227:2002

#### **Wood flooring - Solid lamparquet products**

This European Standard specifies the characteristics of solid lamparquet products for internal use as flooring. It applies to elements. This standard does not apply to panels made from elements, for which a separate standard<sup>1)</sup> is in course of preparation. This standard covers products without surface treatment

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### **81.040.20**

#### **Ehitusklaas**

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#### **Glass in building**

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### **UUED STANDARDID**

**EVS-EN 12758:2002**

Hind 92,00

Identne EN 12758:2002

**Glass in building - Glazing and airborne sound insulation - Product descriptions and determination of properties**

This European Standard assigns sound insulation values to all transparent, translucent and opaque glass products, described in European Standards on basic or processed glass products, when intended to be used in glazed assemblies in buildings, and which exhibit properties of acoustic protection, either as a prime intention or as a supplementary characteristic

**EVS-EN 13024-1:2002**

Hind 155,00

Identne EN 13024-1:2002

#### **Glass in building - Thermally toughened borosilicate safety glass - Part 1: Definition and description**

This European Standard specifies tolerances, flatness, edgework, fragmentation and physical and mechanical characteristics of monolithic flat thermally toughened borosilicate safety glass for use in buildings. Information on curved thermally toughened borosilicate safety glass is given in annex B, but this product does not form part of this standard.

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 20517

Tähtaeg: 2003-01-01

Identne prEN 1279-2:2002

#### **Glass in building - Insulating glass units - Part 2: Long term test method and requirements for moisture penetration**

This European Standard specifies requirements for moisture penetration and the long term test method for insulating glass units and ensures by means of an adequate evaluation of conformity to this standard that over time: energy savings are made because the U-value and solar factor do not change significantly; health is preserved because sound reduction and vision do not change significantly; safety is provided because mechanical resistance does not change significantly

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### **81.060.30**

#### **Kõrgtehnoloogiline keraamika**

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#### **Advanced ceramics**

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#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 12900

Tähtaeg: 2003-01-01

Identne prEN 820-1:2002

#### **Advanced technical ceramics - Methods of testing monolithic ceramics - Thermomechanical properties - Part 1: Determination of flexural strength at elevated temperatures**

This Part of this European Standard specifies a method of determining the three-point or four-point flexural strength of advanced monolithic technical ceramics at elevated temperatures as agreed between parties to the test. The test may be performed in any appropriate atmosphere

prEVS 12908

Tähtaeg: 2003-01-01

Identne prEN 1071-2:2002

#### **Advanced technical ceramics - Methods of test for ceramic coatings - Part 2: Determination of coating thickness by the crater grinding method**

This part of this European Standard specifies a method for the determination of the thickness of ceramic coatings by a crater grinding method which includes the grinding of a spherical cavity and subsequent microscopic examination of the crater

prEVS 12920

Tähtaeg: 2003-01-01

Identne prEN 623-4:2002

#### **Advanced technical ceramics - Monolithic ceramics - General and textural properties - Part 4: Guidance on the determination of surface roughness**

This part of EN 623 concerns the use of conventional stylus type instruments for the measurement of surface texture of advanced monolithic technical ceramics, sets the test machine measuring parameters, and recommends the adoption of certain precautions and conditions of measurement

prEVS 33298

Tähtaeg: 2003-01-01

Identne prEN 1007-5:2002

**Advanced technical ceramics - Ceramic composites - Methods of test for reinforcements - Part 5: Determination of distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at ambient temperature**

This European Standard specifies the conditions for the determination of the distribution of strength and rupture strain of ceramic filaments within a multifilament tow at room temperature by performing a single tensile test on a multifilament tow prEVS 34860

Tähtaeg: 2003-01-01

Identne prEN 658-2:2002

**Advanced technical ceramics - Mechanical properties of ceramic composites at room temperature - Part 2: Determination of compression properties**

This part of this European Standard describes a method for determination of compression properties of ceramic matrix composite materials with continuous fibre reinforcement at room temperature. This method applies to all ceramic matrix composites with a continuous fibre reinforcement, unidirectional (1D), bidirectional (2D), and tridirectional (xD, with  $2 < x \leq 3$ ) as defined in ENV 13233, loaded along one principal axis of reinforcement prEVS 34864

Tähtaeg: 2003-01-01

Identne prEN 658-5:2002

**Advanced technical ceramics - Mechanical properties of ceramic composites at room temperature - Part 5: Determination of interlaminar shear strength by short span bend test (three points)**

This part of this European Standard specifies the conditions for determination of the interlaminar shear strength of ceramic matrix composite materials with continuous fibre reinforcement at room temperature, by subjecting a test specimen to a short-span bend test (three points). This method applies to all ceramic matrix composites with a continuous fibre reinforcement unidirectional (1D) and bidirectional (2D) and tridirectional (xD, with  $2 < x < 3$ ) as defined in ENV 13233 prEVS 37783

Tähtaeg: 2003-01-01

Identne prEN 12789:2002

**Advanced technical ceramics - Mechanical properties of ceramic composites at high temperature under air at atmospheric pressure - Determination of flexural strength**

This European Standard specifies the conditions for determination of the flexural strength of ceramic matrix composite materials with continuous fibre reinforcement under three-point or four-point bending for temperatures up to 1 700 °C in air at atmospheric pressure

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## 81.080

### Tulekindlad materjalid

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#### Refractories

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54116

Tähtaeg: 2003-01-01

Identne prEN 993-19:2002

**Methods of test for dense shaped refractory products - Part 19: Determination of thermal expansion**

This European Standard specifies a method for determining the thermal expansion of dense shaped refractory products under rising temperature by a differential method.

prEVS 54117

Tähtaeg: 2003-01-01

Identne prEN 993-20:2002

**Methods of test for dense shaped refractory products - Part 20: Determination of resistance to abrasion at ambient temperature**

This European Standard specifies a method for the determination of the abrasion resistance of shaped and unshaped refractory materials at ambient temperature. It provides an indication of its suitability for service in abrasive or erosive conditions

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## 83.080.01

### Plastid üldiselt

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#### Plastics in general

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#### UUED STANDARDID

EVS-EN 14233:2002

Hind 109,00

Identne EN 14233:2002

**Materials and articles in contact with foodstuffs - Plastics - Temperature at the plastics/food interface - Determination of temperature of plastics materials and articles at the plastics/food interface during microwave and conventional oven heating in order to select the appropriate temperature for migration testing**

This European Standard specifies methods to measure the temperature reached by plastics materials and articles in contact with foodstuffs during microwave heating and conventional oven heating in order to select the appropriate temperature for migration testing. It is applicable to all plastics materials and articles for which the food(s) with which they will come into contact under worst foreseeable conditions of use is/are known. This includes pre-packaged foods such as ready meals which will be heated in the packaging, and for foods which need some pre-preparation but which include the cooking container in the pack, e.g. cake mixes. The method is also suitable for plastics materials and articles to be used for preparing foods in the home or for use in commercial food preparation where the article is supplied as a stand-alone item, i.e. not containing or not including food at the point of sale.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54155

Tähtaeg: 2003-01-01

Identne prEN 14481:2002

**Materials and articles in contact with foodstuffs - Plastics - Test methods for the determination of fatty contact**

This Part of this European Standard specifies a test method to determine whether there is fatty contact and is applicable to all foods. Testing some foods can require modifications to the method. The method is applicable to contact situations from -20 °C to 100 °C prEVS 54187

Tähtaeg: 2003-01-01

Identne ISO 12058-1:1997

ja identne EN ISO 12058-1:2002

**Plastics - Determination of viscosity using a falling-ball viscometer - Part 1: Inclined-tube method**



This part of ISO 12058 specifies the general principles of a method, using an inclined-tube falling-ball viscometer, for determining the viscosity of polymers and resins in the liquid emulsified or dispersed state. It is intended for determining to liquids over a viscosity measurement range of 0,6 mPa s to 250 000 mPa s (temperature range -20 °C to +20 °C) for which the shear stress and shear rate are proportional, i.e. the viscosity is independent of the shear rate.

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### 83.080.10

#### Kuumalt kõvenevad materjalid (termosetid)

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##### Thermosetting materials

#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 54380

Tähtaeg: 2003-01-01

Identne ISO 8974:2002

ja identne prEN ISO 8974:2002

**Plastid. Fenooväigud.**

**Jääkfenooli sisalduse määramine gaaskromatograafi abil**

This Standard specifies a gas-chromatographic method for the measurement of the residual phenol content in phenolic resins

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### 83.080.20

#### Termoplastid

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##### Thermoplastic materials

#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 54137

Tähtaeg: 2003-01-01

Identne ISO 3451-5:2002

ja identne EN ISO 3451-5:2002

**Plastics - Determination of ash - Part 5: Poly(vinyl chloride)**

This part of ISO 3451 specifies three methods for the determination of the ash of poly(vinyl chloride). The general procedures given in ISO 3451-1 are followed.

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### 83.120

#### Tugevdatud plastid

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##### Reinforced plastics

#### KAVANDITE ARVAMUSKÜSITLUS

prEVS 54179

Tähtaeg: 2003-01-01

Identne prEN 13706-1:2002

#### Reinforced plastics composites - Specifications for pultruded profiles - Part 1: Designation

This Part 1 of EN 13706

establishes a data block system for the designation of pultruded profiles made from fibre reinforced plastics composites. The types of pultruded profiles are differentiated from each other by a classification system based on information about type of polymer matrix used, the reinforcement material, the type of reinforcement and the additional in-service performance features (e.g. fire retardancy, UV stability)

prEVS 54180

Tähtaeg: 2003-01-01

Identne prEN 13706-2:2002

#### Reinforced plastics composites - Specifications for pultruded profiles - Part 2: Methods of test and general requirements

This Part 2 of EN 13706 defines the general requirements applicable to the specification of all types of pultruded profiles falling within the scope of this specification as defined in Part 1 of EN 13706.

This Part 2 of EN 13706 describes the properties to be followed in the preparation of test specimens for the determination of mechanical properties required for the designation in Part 1 and the specific requirements in Part 3 of EN 13706

prEVS 54181

Tähtaeg: 2003-01-01

Identne prEN 13706-3:2002

#### Reinforced plastics composites - Specifications for pultruded profiles - Part 3: Specific requirements

This Part 3 of EN 13706 defines the specification of pultruded profiles. The specification defines those properties, which shall be specified and the level to be obtained for each grade of profile. The specification defines grades where the short-form code, Exx, is related to the Effective Flexural Modulus of the profile measured by testing a length of the complete profile

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### 83.140.01

#### Kummi- ja plasttooted üldiselt

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##### Rubber and plastics products in general

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54120

Tähtaeg: 2003-01-01

Identne prEN 13100-3:2002

#### Non-destructive testing of welded joints in thermoplastics semifinished products - Part 3: Ultrasonic testing

This standard specifies methods for the manual ultrasonic examination of heated tool, electrofusion, extrusion and hot gas joints in plastics materials. It applies to joints in single wall pipes and plates. The range of thicknesses covered is from 10 mm to 100 mm

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### 83.140.10

#### Kiled

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##### Films and sheets

#### UUED STANDARDID

EVS-EN 263:2002

Hind 75,00

Identne EN 263:2002

#### Crosslinked cast acrylic sheets for baths and shower trays for domestic purposes

This European Standard specifies requirements and test methods for crosslinked cast acrylic sheets (called acrylic sheets hereafter) from which baths and shower trays for domestic purposes are manufactured.

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### 83.140.99

#### Muud kummist ja plastikust tooted

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##### Other rubber and plastics products

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 54179

Tähtaeg: 2003-01-01

Identne prEN 13706-1:2002

#### Reinforced plastics composites - Specifications for pultruded profiles - Part 1: Designation

This Part 1 of EN 13706 establishes a data block system for the designation of pultruded profiles made from fibre reinforced plastics composites. The types of pultruded profiles are differentiated from each other by a classification system based on information about type of polymer matrix used, the reinforcement material, the type of reinforcement and the additional in-service performance features (e.g. fire retardancy, UV stability)

prEVS 54180

Tähtaeg: 2003-01-01

Identne prEN 13706-2:2002

**Reinforced plastics composites - Specifications for pultruded profiles - Part 2: Methods of test and general requirements**

This Part 2 of EN 13706 defines the general requirements applicable to the specification of all types of pultruded profiles falling within the scope of this specification as defined in Part 1 of EN 13706.

This Part 2 of EN 13706 describes the properties to be followed in the preparation of test specimens for the determination of mechanical properties required for the designation in Part 1 and the specific requirements in Part 3 of EN 13706

prEVS 54181

Tähtaeg: 2003-01-01

Identne prEN 13706-3:2002

**Reinforced plastics composites - Specifications for pultruded profiles - Part 3: Specific requirements**

This Part 3 of EN 13706 defines the specification of pultruded profiles. The specification defines those properties, which shall be specified and the level to be obtained for each grade of profile. The specification defines grades where the short-form code, Exx, is related to the Effective Flexural Modulus of the profile measured by testing a length of the complete profile

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**83.180**

**Liimid**

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Adhesives

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**UUED STANDARDID**

**EVS-EN 13733:2002**

Hind 101,00

Identne EN 13733:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of the durability of structural bonding agents**

The purpose of this European Standard is to define laboratory methods of testing to ascertain the durability of structural bonding agents in composite systems involving the bonding of hardened concrete to hardened concrete, fresh concrete to hardened concrete and steel-to-steel.

**EVS-EN ISO 9311-2:2002**

Hind 83,00

Identne ISO 9311-2:2002

ja identne EN ISO 9311-2:2002

**Adhesives for thermoplastic piping systems - Part 2: Determination of shear strength**

This part of EN ISO 9311 specifies a method for the determination of the shear strength of joints made with adhesives for thermoplastic piping systems

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 7189

Tähtaeg: 2003-01-01

Identne prEN 205:2002

**Adhesives - Wood adhesives for non-structural applications - Determination of tensile shear strength of lap joints**

This European Standard describes tests for adhesives for wood and derived timber products for the assessment of their resistance to hot and cold water. It can be used for the assessment of the strength of bonds with a thin or thick bond-line. It does not apply to adhesives for structural use or to the manufacture of particle boards, fibreboard's and plywood. It does not replace tests on finished products

prEVS 25894

Tähtaeg: 2003-01-01

Identne prEN 1966:2002

**Structural adhesives - Characterisation of a surface by measuring adhesion by means of the three point bending method**

This European standard describes a test method to determine ability of a cured adhesive (possibly with a primer) to adhere to a substrate which has had a certain surface finish or with a specific surface preparation by using the "three point bending method

prEVS 25899

Tähtaeg: 2003-01-01

Identne prEN 1967:2002

**Structural adhesives - Evaluation of the effectiveness of surface treatment techniques for aluminium using a wet peel test in association with the floating roller method**

The object of this method is the evaluation of the quality of a surface pretreatment used in the preparation of aluminium or its alloys

prEVS 54268

Tähtaeg: 2003-01-01

Identne prEN 14510:2002

**Adhesive for leather and footwear materials - Solvent and dispersion adhesives - Determination of sole positioning tack (spotting tack)**

This European standard specifies a method for determining the sole positioning tack at bonding of an apparently dry adhesive film, usually after heat reactivation. The method is applicable to all types of heat reactivated or cold bonding adhesives used for sole bonding. It can also be used to assess the influence of soling and upper materials on the sole positioning tack of an adhesive

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**85.060**

**Paber ja papp**

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Paper and board

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54029

Tähtaeg: 2003-01-01

Identne prEN 648:2002

**Toiduainetega kokkupuutuv paber ja papp. Fluorestseeriva valgendiga valgendatud paberi ja papi värvikindluse määramine**

This standard describes procedures for testing of fluorescent whitened paper and board intended to come into contact with foodstuffs. Two procedures are given. Procedure A for contact of long duration (e.g. foodpackaging) and procedure B for contact of short duration (e.g. napkins, kitchen papers, household papers).

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**85.100**

**Paberitööstuse seadmed**

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Equipment for the paper industry

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**UUED STANDARDID**

**EVS-EN 1010-3:2002**

Hind 146,00

Identne EN 1010-3:2002

**Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 3: Cutting machines**

1.1 This European Standard applies to cutting machines used in paper converting: - guillotines; - three-knife trimmers; - index-cutting machines; - trimmers; - rotary cutters; - round cornering machines; - label punching machines. This European Standard shall be used together with prEN 1010-1:2000

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**87.040**

**Värvid ja lakid**

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Paints and varnishes

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**UUED STANDARDID**

**EVS-EN 1062-6:2002**

Hind 101,00

Identne EN 1062-6:2002

**Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 6: Determination of carbon dioxide permeability**

This European Standard specifies two methods for determining the carbon dioxide permeability of coatings, coating systems and related products, intended for exterior masonry and concrete. The methods are applicable to coatings and coating systems on porous substrates such as plaster, concrete etc

**EVS-EN 1062-11:2002**

Hind 57,00

Identne EN 1062-11:2002

**Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 11: Methods of conditioning before testing**

This European Standard specifies four methods for the conditioning of test specimens which have been prepared for testing the resistance to weather conditions of coating materials and coating systems for exterior masonry and concrete

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**EVS-EN ISO 1523:2002**

Hind 92,00

Identne ISO 1523:2002

ja identne EN ISO 1523:2002

**Determination of flashpoint - Closed cup equilibrium method**

This International Standard describes one of two closed cup equilibrium methods for the determination of the flash point of paints, varnishes, petroleum and related products, and it should be read in conjunction with the second equilibrium method, ISO 3679, when selecting method.

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**87.060.10**

**Pigmentid**

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Pigments and extenders

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38851

Tähtaeg: 2003-02-01

Identne ISO 3549:1995

ja identne EN ISO 3549:2002

**Zinc dust pigments for paints - Specifications and test methods**

This International Standard specifies the requirements and corresponding test methods for zinc dust pigments suitable for use in protective coatings.

prEVS 54232

Tähtaeg: 2003-01-01

Identne prEN 13900-4:2002

**Pigments and extenders - Methods of dispersion and assessment of dispersibility in plastics - Part 4: Determinations of colouristic properties and ease of dispersion of white pigments in polyethylene by two-roll milling**

This Part of EN 13900 specifies a method of determining the colouristic properties of a test pigment in polyethylene (PE) relative to a standard, and the dispersibility DHPE of pigments from the differences in tinting strength on dispersing colouring materials under various conditions

prEVS 54233

Tähtaeg: 2003-01-01

Identne prEN 13938-7:2002

**Explosives for civil uses - Propellants and rocket propellants - Part 7:**

**Determination of properties of black powder**

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This European Standard specifies the test methods for black powder in pellets, granular form, compressed (press - moulded cylinders with central hollow space) or as a meal for the use as propellant, blasting explosive, pyrotechnic or in safety fuses

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**87.100**

**Värvimisvahendid**

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Paint coating equipment

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**UUED STANDARDID**

**EVS-EN 50348:2002**

Hind 101,00

Identne EN 50348:2001

**Automatic electrostatic spraying equipment for non-flammable liquid spraying material**

This European Standard specifies requirements for automatic electrostatic spraying equipment which is used for spraying non-flammable liquids which do not form explosive atmospheres in the spraying area. This applies also for paints that are classed as non-ignitable while spraying, e.g. water based paints (see annex A).

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 28781

Tähtaeg: 2002-12-01

Identne EN 50176:1996

**Automatic electrostatic spraying installations for flammable liquid spraying material**

This European Standard specifies requirements for automatic electrostatic spraying installations which are used for spraying flammable liquids which may form explosive atmospheres in the spraying area. In this connection distinction is made between spraying devices which due to their type of construction comply with requirements as laid down in EN 50050:1986 as applicable, and those for which other discharge energies and/or current limits are stipulated.

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**91**

**Ehitusmaterjalid ja ehitus**

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Construction materials and building

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**ARVAMUSKÜSITLUS**

prEVS 53989

Tähtaeg: 2002-12-01

Identne EVS 836:2002

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**Aknad, ukсед ja luugid.  
Sissemurdmiskindlus. Nõuded  
ja liigitus**

prEVS 53991  
Tähtaeg: 2002-12-01  
Identne: EVS 837:2002  
**Piirdetarandid. Osa 1:  
Üldnõuded**

prEVS 54034  
Tähtaeg: 2002-12-01  
Identne: EVS 839:2002  
**Sisekliima**

prEVS 54035  
Tähtaeg: 2002-12-01  
Identne: EVS 840:2002  
**Radooniohutu hoone  
projekteerimine**

prEVS 54050  
Tähtaeg: 2002-12-01  
Identne: EVS 846:2002  
**Kinnistu kanalisatsioon**

prEVS 54051  
Tähtaeg: 2002-12-01  
Identne: EVS 847-1:2002  
**Ühisveevärk. Osa 1: Veehaarded**

prEVS 54052  
Tähtaeg: 2002-12-01  
Identne: EVS 847-2:2002  
**Ühisveevärk. Osa 2:  
Veepuhastus**

prEVS 54053  
Tähtaeg: 2002-12-01  
Identne: EVS 847-3:2002  
**Ühisveevärk. Osa 3: Veevärgi  
projekteerimine**

prEVS 54068  
Tähtaeg: 2002-12-01  
Identne: EVS 849:2002  
**Uksed ja aknad. Terminoloogia**

prEVS 54069  
Tähtaeg: 2002-12-01  
Identne: EVS 850:2002  
**Tööstus-, kommerts- ja  
garaažiüksed ning -väravad.  
Nõuded paigaldamiseks ja  
kasutamiseks**

prEVS 52730  
Tähtaeg: 2002-12-01  
Identne: EVS-EN 12208:2002  
**Aknad ja ukсед. Veetihedus.  
Liigitus**

prEVS 54559  
Tähtaeg: 2002-12-01  
Identne: EVS-EN 12604:2002

**Tööstus-, kommerts- ja  
garaažiüksed ning -väravad.  
Mehaanika. Nõuded**

prEVS 54462  
Tähtaeg: 2002-12-01  
Identne: EVS-EN 13162:2002  
**Tooted hoonete soojustamiseks.  
Tehases valmistatud  
mineraalvilltooted (MW-tooted).  
Liigitus**

prEVS 52732  
Tähtaeg: 2002-12-01  
Identne: EVS-EN 13163:2002  
**Tooted hoonete soojustamiseks.  
Tehases valmistatud  
vahtpolüstireentooted (EPS-  
tooted). Liigitus**

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### **91.010.30 Tehnilised aspektid**

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**Technical aspects**

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### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 53986  
Tähtaeg: 2002-12-01  
Identne EVS 832-1:2003  
**Teras betooni sarrustamiseks.  
Osa 1: Üldnõuded**  
prEVS 54156  
Tähtaeg: 2003-01-01  
Identne prEN 1991-1-3:2002  
**Eurocode 1 - Actions on  
structures - Part 1-3: General  
actions - Snow loads**  
prEN 1991-1-3 gives guidance to  
determine the values of loads to be  
used for the structural design of  
buildings and civil engineering  
works. This Part does not apply for  
sites at altitudes above 1 500 m.

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### **91.060.10 Seinad. Vaheseinad. Fassaadid**

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**Walls. Partitions. Facades**

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### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54149  
Tähtaeg: 2003-01-01  
Identne prEN 845-1:2002  
**Specification for ancillary  
components for masonry -  
Part 1: Ties, tension straps,  
hangers and brackets**

This European Standard specifies  
requirements for wall ties, tension  
straps, hangers and brackets for  
interconnecting masonry and for  
connecting masonry to other parts  
of works and buildings including  
walls, floors, beams, and columns  
prEVS 54150

Tähtaeg: 2003-01-01  
Identne prEN 845-3:2002  
**Specification for ancillary  
components for masonry -  
Part 3: Bed joint reinforcement  
of steel meshwork**

This European Standard specifies  
the requirements for masonry bed  
joint reinforcement for structural  
use (see 5.2.1) and for non-  
structural use (see 5.2.2)

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### **91.060.40 Korstnad, lõõrid, kanalid**

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**Chimneys, shafts, ducts**

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### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 14935  
Tähtaeg: 2003-01-01  
Identne prEN 14471:2002  
**Chimneys - Requirements and  
test methods for system  
chimneys with plastic flue liners**  
This European standard specifies  
the performance requirements and  
test methods for system chimneys  
with plastic flue liners used to  
convey the products of  
combustion from appliances to the  
outside atmosphere. These  
chimneys are suitable for operating  
under wet conditions. It also  
specifies the requirements for  
marking, manufacturer's  
instructions and evaluation of  
conformity

prEVS 15834  
Tähtaeg: 2003-01-01  
Identne prEN 1856-1:2002  
**Chimneys - Requirements for  
metal chimneys - Part 1: System  
chimney products**

This standard specifies the  
performance requirements for  
single- and multi-wall system  
chimney products with metallic  
liners (chimney sections, chimney  
fittings and terminals, including  
supports) used to convey the  
products of combustion from  
appliances to the outside  
atmosphere. It also specifies the  
requirements for marking,  
manufacturer's instructions,  
product information and  
evaluation of conformity. Metal

liners and metal connecting flue pipes not covered here, are included in prEN 1856-2:1996 prEVS 29916

Tähtaeg: 2003-01-01

Identne prEN 12446:2002

#### **Chimneys - Components - Concrete outer wall elements**

This European Standard specifies the material, dimensional and performance requirements for factory made concrete outer wall elements for chimneys including fittings. The standard covers elements having up to four passages designated to accommodate a combination of flue liners and or air ducts prEVS 38700

Tähtaeg: 2003-01-01

Identne prEN 13384-1:2002

#### **Chimneys - Thermal and fluid dynamic calculation methods - Part 1 : Chimneys serving one appliance**

This European Standard specifies methods for the calculation of the thermal and fluid dynamic characteristics of chimneys serving one appliance prEVS 39436

Tähtaeg: 2003-01-01

Identne prEN 13084-4:2002

#### **Free-standing industrial chimneys - Part 4 : Brick liners - Design and execution**

This European Standard specifies special requirements and performance criteria for the design and construction of lining systems made of brickwork for free-standing industrial chimneys.

Current European practice favours sectional liners and the statements of the standard are mainly devoted to such solutions but are also largely applicable to independent and base supported liners prEVS 54105

Tähtaeg: 2003-01-01

Identne prEN 14475:2002

#### **Execution of special geotechnical works - Reinforced fill**

This European Standard establishes general principles for the construction of special geotechnical works involving reinforced fill. This European Standard covers engineered fills which are reinforced by the inclusion of reinforcement during construction prEVS 54110

Tähtaeg: 2003-01-01

Identne prEN 13502:2002

#### **Chimneys - Requirements and test methods for clay/ceramic flue terminals**

This European Standard specifies requirements and test methods for clay/ceramic flue terminals with solid walls, which serve to convey the products of combustion from the flue to the atmosphere, by negative pressure. It includes terminals used on domestic and industrial chimneys which are not structurally independent (free standing) prEVS 54166

Tähtaeg: 2003-01-01

Identne prEN 13063-2:2002

#### **Chimneys - System chimneys with clay/ceramic flue liners - Part 2: Requirements and test methods under wet conditions**

This European Standard specifies the requirements and test methods for multiwall system chimneys working under wet conditions (in the following expressed as wet chimney) with pressure type N1, N2 or P1 according to EN 1443 and a working temperature below or equal T600 according to prEN 13063-1, in which the products of combustion are conveyed to the atmosphere through clay/ceramic flue liners. Marking and inspection are also covered by this standard

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### **91.060.50**

#### **Uksed ja aknad**

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#### **Doors and windows**

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### **UUED STANDARDID**

#### **EVS-EN 12635:2002**

Hind 101,00

Identne EN 12635:2002

#### **Tööstus-, kommerts- ja garaažiuksed ja -väravad. Nõuded paigaldamiseks ja kasutamiseks**

1.1 General This European Standard specifies the information to be provided by the door manufacturer and the components manufacturer to ensure safe installation, operation, use (including maintenance and repair) of doors, gates and barriers intended for installation in areas in the reach of persons, and for which the main intended uses are giving safe access for goods and vehicles accompanied or driven by persons in industrial, commercial or residential premises. This European Standard also covers commercial doors such as rolling

shutters and rolling grilles used in retail premises which are mainly provided for the access of persons rather than vehicles or goods. This European Standard applies to manually operated and power operated doors, to doors and components intended to be installed by non professional installers and may also apply to the installation and use of upgrading component(s). The European Standard only applies to the doors and components manufactured after the date of publication. 1.2 Exclusions This European Standard does not apply to doors that are intended for a different use than the one described in 1.1 such as:- lock gates and dock gates; - doors on lifts; - doors on vehicles; - doors mainly for the retention of animals; - theatre textile curtains; - railway barriers; - barriers used solely for vehicles.

#### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 54220

Tähtaeg: 2003-01-01

Identne prEN 14500:2002

#### **Blinds and shutters - Thermal and visual comfort - Test methods**

This European Standard applies to the whole range of shutters, awnings and blinds defined in EN 12216. It specifies the methods of test necessary for the solar and light characterisation of shutters and blinds according to prEN 14501

prEVS 54221

Tähtaeg: 2003-01-01

Identne prEN 14501:2002

#### **Blinds and shutters - Thermal and visual comfort - Assessment of performances**

The present standard applies to the whole range of shutters, awnings and blinds defined in EN 12216. It gives the methods for determination of the parameters characterising : - Thermal comfort :- solar factor (total solar energy transmittance) - shading factor - secondary heat transfer factor - direct solar transmittance - reduction factor of solar radiation

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**91.080****Ehituskonstruksioonid**

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**Structures of buildings**

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**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 53989

Tähtaeg: 2002-12-01

Identne EVS 836:2002

**Aknad, ukсед ja luugid.****Sissemurdmiskindlus. Nõuded ja liigitus**

prEVS 54301

Tähtaeg: 2003-01-01

Identne prEN 14518:2002

**Ventilation for buildings -****Chilled beams - Testing and rating of passive chilled beams**

This European Standard specifies test conditions and methods for the determination of the cooling capacity of chilled beams or other similar systems with free convection, i.e. without forced air flow. Also included is the method to determine local air velocity and temperature below the beam

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**91.080.30****Kivikonstruksioonid**

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**Masonry**

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**UUED STANDARDID****EVS-EN 1052-3:2002**

Hind 101,00

Identne EN 1052-3:2002

**Methods of test for masonry - Part 3: Determination of initial shear strength**

This European Standard specifies a method for determining the in plane initial shear strength of horizontal bed joints in masonry using a specimen tested in shear. Guidance is given on the preparation of the specimens, the conditioning required before testing, the testing machine, the method of test, the method of calculation and the contents of the test report.

**KAVANDITE****ARVAMUSKÜSITLUS**

prEVS 54149

Tähtaeg: 2003-01-01

Identne prEN 845-1:2002

**Specification for ancillary components for masonry -****Part 1: Ties, tension straps, hangers and brackets**

This European Standard specifies requirements for wall ties, tension straps, hangers and brackets for interconnecting masonry and for connecting masonry to other parts of works and buildings including walls, floors, beams, and columns

prEVS 54150

Tähtaeg: 2003-01-01

Identne prEN 845-3:2002

**Specification for ancillary components for masonry -****Part 3: Bed joint reinforcement of steel meshwork**

This European Standard specifies the requirements for masonry bed joint reinforcement for structural use (see 5.2.1) and for non-structural use (see 5.2.2)

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**91.080.40****Betoonkonstruksioonid**

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**Concrete structures**

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**UUED STANDARDID****EVS-EN 13294:2002**

Hind 83,00

Identne EN 13294:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of stiffening time**

This European Standard specifies a method for determining the stiffening time of repair products and systems specified in prEN 1504-3 1 comprising hydraulic based mortar and concrete (CC), including those modified by the addition of polymers (PCC).

**EVS-EN 13579:2002**

Hind 83,00

Identne EN 13579:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Drying test for hydrophobic impregnation**

This European Standard specifies a test method to evaluate the effect of surface impregnants on the drying rate coefficient of impregnated specimens. The method primarily relates to the protection of concrete structures.

**EVS-EN 13580:2002**

Hind 83,00

Identne EN 13580:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Water absorption and resistance to alkali for hydrophobic impregnations**

This European Standard specifies a test method to evaluate the effect of a hydrophobic impregnation. It deals with the rate at which treated concrete absorbs water and with the alkali resistance of that surface treatment. The method primarily relates to the protection of concrete structures.

**EVS-EN 13581:2002**

Hind 92,00

Identne EN 13581:2002

**Products and systems for the protection and repair of concrete structures - Test method - Determination of loss of mass of hydrophobic impregnated concrete after freeze-thaw salt stress**

This European Standard is one of series dealing with products and systems for the protection and repair of concrete structures. It specifies a method for determining the loss of mass after freeze-thaw salt stress in sodium chloride solution. It can be used to test the resistance of hydrophobic impregnated concrete as well as the untreated concrete. There are two types of concrete deterioration when a freeze-thaw attack occurs: surface scaling and internal damage.

**EVS-EN 13733:2002**

Hind 101,00

Identne EN 13733:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of the durability of structural bonding agents**

The purpose of this European Standard is to define laboratory methods of testing to ascertain the durability of structural bonding agents in composite systems involving the bonding of hardened concrete to hardened concrete, fresh concrete to hardened concrete and steel-to-steel.

**EVS-EN 12617-3:2002**

Hind 75,00

Identne EN 12617-3:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Part 3: Determination of early age linear shrinkage for structural bonding agents**

This European Standard specifies a method for the determination of the early age linear shrinkage of structural bonding agents covered by EN 1504-1 and prEN 1504-4. It describes the procedures for the measurement of linear shrinkage from initial gel of polymer, in the form of unrestrained thin strips less than 10 mm in thickness. It is intended for measurement of early age shrinkage, for example up to 24 hours.

**EVS-EN 13395-1:2002**

Hind 75,00

Identne EN 13395-1:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 1: Test for flow of thixotropic mortars**

This European Standard specifies a method for determining the workability (or consistence) of trowel-grade hydraulic cement mortars CC, polymer modified hydraulic cement mortars PCC and polymer bound mortars PC for the protection and repair of concrete, as defined in EN 1504-1.

**EVS-EN 13395-2:2002**

Hind 75,00

Identne EN 13395-2:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 2: Test for flow of grout or mortar**

This European Standard specifies a method for determining the workability (or consistence) of flowing-grade hydraulic cement mortars CC, polymer modified hydraulic cement mortars PCC and polymer bound mortars PC for the protection and repair of concrete, as defined in EN 1504-1.

**EVS-EN 13395-3:2002**

Hind 75,00

Identne EN 13395-3:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 3: Test for flow of repair concrete**

Normal workability concrete mixes, which can include proprietary formulations, are applied and compacted in accordance with conventional practice. The workability of these products should be assessed using the slump, VeBe or other appropriate method given in EN 206-1. The workability of conventional high flow concrete mixes should be assessed by the method of EN 12358.

**EVS-EN 13395-4:2002**

Hind 75,00

Identne EN 13395-4:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 4: Application of repair mortar overhead**

This European Standard specifies a method for determining the applicability overhead of products and systems for the repair of concrete as defined in prEN 1504-31 under usual conditions.

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54223

Tähtaeg: 2003-01-01

Identne prEN 14497:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of the filtration stability**

This European Standard describes a test method to determine the filtration stability of cementitious injection products

prEVS 54224

Tähtaeg: 2003-01-01

Identne prEN 14498:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Volume and weight changes after air drying and water storage cycles**

This European Standard describes a test method to determine the volume - and weight changes of injection products used for swelling fitted filling of cracks, voids and interstices after air drying and water storage cycles

prEVS 54272

Tähtaeg: 2003-01-01

Identne prEN 523:2002

**Eelpingestuvate sarruste terasribadest koorikud. Terminoloogia, nõuded ja kvaliteedikontroll**

This European standard applies to uncoated cylindrical steel sheaths with a corrugated profile and with a nominal internal diameter of up to 130 mm and their connectors (couplers) which are assembled to form ducts for prestressing tendons in post-tensioned prestressed concrete elements. It is only applicable to sheaths and connectors made of interlocked or welded steel strip

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**91.100.10**

**Tsement. Kips. Lubi. Mört**

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Cement. Gypsum. Lime.

Mortar

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**UUED STANDARDID**

**EVS-EN 13888:2002**

Hind 101,00

Identne EN 13888:2002

**Grouts for tiles - Definitions and specifications**

This European Standard applies to all ceramic tile grouts for internal and external tile installations on walls and floors. This standard gives the terminology concerning the products, working methods, application properties, etc., for ceramic tile grouts.

**EVS-EN 12617-3:2002**

Hind 75,00

Identne EN 12617-3:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Part 3: Determination of early age linear shrinkage for structural bonding agents**

This European Standard specifies a method for the determination of the early age linear shrinkage of structural bonding agents covered by EN 1504-1 and prEN 1504-4. It describes the procedures for the measurement of linear shrinkage from initial gel of polymer, in the form of unrestrained thin strips less than 10 mm in thickness. It is intended for measurement of early age shrinkage, for example up to 24 hours.

**EVS-EN 13395-1:2002**

Hind 75,00

Identne EN 13395-1:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 1: Test for flow of thixotropic mortars**

This European Standard specifies a method for determining the workability (or consistence) of trowel-grade hydraulic cement mortars CC, polymer modified hydraulic cement mortars PCC and polymer bound mortars PC for the protection and repair of concrete, as defined in EN 1504-1.

**EVS-EN 13395-2:2002**

Hind 75,00

Identne EN 13395-2:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 2: Test for flow of grout or mortar**

This European Standard specifies a method for determining the workability (or consistence) of flowing-grade hydraulic cement mortars CC, polymer modified hydraulic cement mortars PCC and polymer bound mortars PC for the protection and repair of concrete, as defined in EN 1504-1.

**EVS-EN 13395-4:2002**

Hind 75,00

Identne EN 13395-4:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 4: Application of repair mortar overhead**

This European Standard specifies a method for determining the applicability overhead of products and systems for the repair of concrete as defined in prEN 1504-31 under usual conditions.

## **KAVANDITE**

### **ARVAMUSKÜSITLUS**

prEVS 54167

Tähtaeg: 2003-01-01

Identne prEN 14496:2002

**Gypsum based adhesives for thermal/acoustic insulation composite panels and plasterboards - Definitions, requirements and test methods**

This European standard specifies the characteristics and performances of gypsum based adhesives which are composed of gypsum plasters defined in prEN 13279-1 and of additives. They are used for fixing gypsum plasterboard linings and gypsum plasterboard thermal/acoustic insulation composite panels to walls and partitions. They assist in the construction of systems which

provide thermal and acoustic performance

prEVS 54259

Tähtaeg: 2003-01-01

Identne prEN 13892-8:2002

**Methods of test for screed materials - Part 8:**

**Determination of bond strength**

This European Standard specifies a method for determining the bond strength between a screed and a standard substrate for specimens made from cementitious screed-, calcium sulfate screed-, magnesite screed- and synthetic resin screed material

prEVS 54260

Tähtaeg: 2003-01-01

Identne prEN 13892-4:2002

**Methods of test for screed materials - Part 4:**

**Determination of wear resistance-BCA**

This European Standard specifies a method for determining the wear resistance of test specimens made from cementitious- or synthetic resin screed material or optionally for other screed materials. The method is also suitable for floor screeds

prEVS 54337

Tähtaeg: 2003-01-01

Identne ISO/DIS 680:2002

ja identne prEN ISO 680:2002

**Methods of testing cement - Chemical analysis of cement**

This European Standard describes the methods for the chemical analysis of cement. The standard describes the reference methods and, in certain cases, an alternative method which can be considered to be equivalent. In the case of a dispute, only the reference methods are used

prEVS 54339

Tähtaeg: 2003-01-01

Identne ISO/DIS 9597:2002

ja identne prEN ISO 9597:2002

**Tsemendi katsetamine. Osa 3: Tardumisaja ja mahupüsivuse määramine**

This Standard describes the methods for determining setting time and soundness of cements. It is applicable to all cements covered by ENV 197-1. This Standard describes the reference procedure; it allows the use of alternative procedures as indicated in notes provided that they do not affect the results significantly. In the event of a dispute, only the reference procedure described in

this Standard shall be used, excluding any alternatives prEVS 54389

Tähtaeg: 2003-01-01

Identne ISO 10426-

1:2000/A1:2002

ja identne EN ISO 10426-

1:2000/A1:2002

**Petroleum and natural gas industries - Cements and materials for well cementing - Part 1: Specification**

This standard specifies requirements and gives recommendations for eight classes of well cements, including their chemical and physical requirements and procedures for physical testing.

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## **91.100.15**

### **Mineraalsed materjalid ja tooted**

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**Mineral materials and products**

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## **UUED STANDARDID**

**EVS-EN 13043:2002**

Hind 190,00

Identne EN 13043:2002

**Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas**

This European Standard specifies the properties of aggregates and filler aggregates obtained by processing natural or manufactured or recycled materials for use in bituminous mixtures and surface treatments for roads, airfields and other trafficked areas. This standard does not cover the use of reclaimed bituminous mixtures

**EVS-EN 13139:2002**

Hind 170,00

Identne EN 13139:2002

**Aggregates for mortar**

This European Standard specifies the properties of aggregates and filler aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in mortar, e.g., a) masonry mortar, b) floor/screed mortar, c) surfacing of internal walls (plastering mortar), d) rendering of external walls, e) special bedding materials, f) repair mortar, g) grouts, for buildings, roads and civil engineering works.

**EVS-EN 13055-1:2002**

Hind 179,00

Identne EN 13055-1:2002



### **Lightweight aggregates - Part 1: Lightweight aggregates for concrete, mortar and grout**

This European Standard specifies the properties of lightweight aggregates and lightweight filler aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in concrete, mortar and grout in buildings, roads and civil engineering works. This European Standard covers lightweight aggregates of mineral origin having particle densities not exceeding 2 000 kg/m<sup>3</sup> (2,00 Mg/m<sup>3</sup>) or loose bulk densities not exceeding 1 200 kg/m<sup>3</sup> (1,20 Mg/m<sup>3</sup>) including: a) natural aggregates; b) aggregates manufactured from natural materials and/or from by-products of industrial processes; c) by-products of industrial processes; d) recycled aggregates.

#### **EVS-EN 13383-1:2002**

Hind 179,00

Identne EN 13383-1:2002

### **Armourstone - Part 1: Specification**

This European Standard specifies the properties of aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these materials for use as armourstone. It provides for the evaluation of conformity of the products to this European Standard.

### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 37221

Tähtaeg: 2003-01-01

Identne prEN 13242:2002

### **Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction**

This European Standard specifies the properties of aggregates obtained by processing natural or manufactured or recycled materials for hydraulically bound and unbound materials for civil engineering work and road construction

prEVS 39387

Tähtaeg: 2003-01-01

Identne prEN 13450:2002

### **Aggregates for railway ballast**

This European Standard specifies the properties of aggregates obtained by processing natural or manufactured materials or recycled crushed unbound aggregates for use in construction of railway track. For the purposes of this standard, the aggregate is referred to as railway ballast

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## **91.100.30**

### **Betoon ja betoontooted**

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#### **Concrete and concrete products**

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### **ARVAMUSKÜSITLUS**

prEVS 53980

Tähtaeg: 2002-12-01

Identne: EVS 814:2003

### **Normaalbetooni külmakindlus**

#### **UUED STANDARDID**

#### **EVS-EN 990:2002**

Hind 75,00

Identne EN 990:2002

### **Test methods for verification of corrosion protection of reinforcement in autoclaved aerated concrete and lightweight aggregate concrete with open structure**

This European Standard specifies methods for verification of the effectiveness of the corrosion protection of reinforcing steel embedded in autoclaved aerated concrete (AAC) components according to prEN 12602 or components of lightweight aggregate concrete with open structure (LAC) according to prEN 1520.

#### **EVS-EN 13581:2002**

Hind 92,00

Identne EN 13581:2002

### **Products and systems for the protection and repair of concrete structures - Test method - Determination of loss of mass of hydrophobic impregnated concrete after freeze-thaw salt stress**

This European Standard is one of series dealing with products and systems for the protection and repair of concrete structures. It specifies a method for determining the loss of mass after freeze-thaw salt stress in sodium chloride solution. It can be used to test the resistance of hydrophobic impregnated concrete as well as the untreated concrete. There are two types of concrete deterioration when a freeze-thaw attack occurs:

surface scaling and internal damage.

#### **EVS-EN 13395-3:2002**

Hind 75,00

Identne EN 13395-3:2002

### **Products and systems for the protection and repair of concrete structures - Test methods - Determination of workability - Part 3: Test for flow of repair concrete**

Normal workability concrete mixes, which can include proprietary formulations, are applied and compacted in accordance with conventional practice. The workability of these products should be assessed using the slump, VeBe or other appropriate method given in EN 206-1. The workability of conventional high flow concrete mixes should be assessed by the method of EN 12358.

### **KAVANDITE**

#### **ARVAMUSKÜSITLUS**

prEVS 22214

Tähtaeg: 2003-01-01

Identne prEN 1520:2002

### **Prefabricated reinforced components of lightweight aggregate concrete with open structure**

This European Standard is for prefabricated reinforced components of lightweight aggregate concrete with open structure intended to be used in building constructions a) for structural elements: -loadbearing wall components (solid, hollow core or multilayer); - retaining wall components (solid) with or without surcharge loading; b) for non-structural elements: - non-loadbearing wall components (e.g. for partition walls);- cladding components (without fixtures) intended to be used for external facades of buildings;

prEVS 53986

Tähtaeg: 2002-12-01

Identne EVS 832-1:2003

### **Teras betooni sarrustamiseks.**

#### **Osa 1: Üldnõuded**

prEVS 53987

Tähtaeg: 2002-11-02

Identne EVS 833-1:2002

### **Pingestusterased. Osa 1:**

#### **Üldised nõuded**

prEVS 54104

Tähtaeg: 2003-01-01

Identne prEN 14474:2002

**Precast concrete products - Concrete with wood-chips as aggregate - Requirements and test methods**

This European Standard specifies the requirements for precast wood-chip concrete. It is not applicable to concrete for masonry units and their ancillary components  
prEVS 54199

Tähtaeg: 2003-01-01

Identne prEN 14488-1:2002

**Testing sprayed concrete - Part 1: Sampling fresh and hardened concrete**

This standard specifies a method for obtaining samples of fresh or hardened (i.e. before or after set) sprayed mortar/concrete, depending on the property to be measured and its associated test method

prEVS 54200

Tähtaeg: 2003-01-01

Identne prEN 14488-2:2002

**Testing sprayed concrete - Part 2: Compressive strength of young sprayed concrete**

This standard specifies two methods from which an estimate of the in-situ compressive strength of young hardened sprayed concrete can be made, in the range of 0,2 MPa to 1,2 MPa and 3 MPa to 16 MPa

prEVS 54201

Tähtaeg: 2003-01-01

Identne prEN 14488-3:2002

**Testing sprayed concrete - Part 3: Flexural strengths (first peak, ultimate and residual) of fibre reinforced beam specimens**

This standard specifies a method for obtaining samples of fresh or hardened (i.e. before or after set) sprayed mortar/concrete, depending on the property to be measured and its associated test method

prEVS 54202

Tähtaeg: 2003-01-01

Identne prEN 14488-4:2002

**Testing sprayed concrete - Part 4: Bond strength of cores by direct tension**

This European Standard describes a means of determining the tensile bond between sprayed concrete and substrate of concrete or rock tested in a laboratory as a direct tension test. Bond strength is defined as the capacity to transfer tension between two layers. Bond strength is calculated as the ultimate tensile force divided by

the stressed cross-sectional area of a core, drilled out of a sprayed concrete layer together with a portion of the substrate concrete or rock

prEVS 54203

Tähtaeg: 2003-01-01

Identne prEN 14488-7:2002

**Testing sprayed concrete - Part 7: Fibre content of fibre reinforced concrete**

This standard specifies a method for the determination of the fibre content of sprayed concrete from either a fresh or hardened (i.e. before or after set)

mortar/concrete sample. Both types of sample are applicable with steel fibres, but only the method for a fresh sample is appropriate with synthetic fibres

prEVS 54262

Tähtaeg: 2003-01-01

Identne prEN 13263-1:2002

**Silica fume for concrete - Part 1: Definitions, requirements and conformity criteria**

prEN 13263-1 gives requirements for chemical and physical properties and for assessment of conformity to the requirements given for silica fume to be used as a type II addition in concrete conforming to prEN 206. prEN 13263-1 applies to the silica fume which is a by-product of the smelting process used to produce silicon metal and ferro-silicon alloys

prEVS 54264

Tähtaeg: 2003-01-01

Identne prEN 13263-2:2002

**Silica fume for concrete - Part 2: Conformity evaluation**

prEN 13263-2 specifies the scheme for the evaluation of conformity of silica fume to prEN 13263-1, including certification of conformity by a certification body. The standard provides technical rules for production control by the manufacturer, including autocontrol testing of samples, and for the tasks of the certification body. It also provides rules for actions to be followed in the event of non-conformity and the procedure for the certification of conformity

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**91.100.50**

**Sideained.**

**Tihendusmaterjalid**

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**Binders. Sealing materials**

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**UUED STANDARDID**

**EVS-EN 12846:2002**

Hind 92,00

Identne EN 12846:2002

**Bitumen and bituminous binders - Determination of efflux time of bitumen emulsions by the efflux viscometer**

This European Standard specifies a method for the determination of the efflux time of bitumen emulsions.\*

**EVS-EN 12847:2002**

Hind 83,00

Identne EN 12847:2002

**Bitumen and bituminous binders - Determination of settling tendency of bitumen emulsions**

This European Standard specifies a method for the determination of the settling tendency of bitumen emulsions.

**EVS-EN 12848:2002**

Hind 66,00

Identne EN 12848:2002

**Bitumen and bituminous binders - Determination of mixing stability with cement of bitumen emulsions**

This European Standard specifies a method for the determination of mixing stability of bitumen emulsions with cement. It applies to over-stabilized cationic bitumen emulsions and to slow-setting and over-stabilized anionic bitumen emulsions.

**EVS-EN 12849:2002**

Hind 83,00

Identne EN 12849:2002

**Bitumen and bituminous binders - Determination of penetration power of bitumen emulsions**

This European Standard specifies a method for the determination of the penetration power of bitumen emulsions. This test method is applicable to low-viscosity bitumen emulsions.

**EVS-EN 12850:2002**

Hind 66,00

Identne EN 12850:2002

**Bitumen and bituminous binders - Determination of the pH value of bitumen emulsions**

This European Standard specifies a method for measuring the pH value of bitumen emulsions. It is applicable to anionic, cationic and non-ionic bitumen emulsions.

**EVS-EN 13074:2002**

Hind 57,00

Identne EN 13074:2002

**Petroleum products - Bitumen and bituminous binders - Recovery of binder from bitumen emulsions by evaporation**

This European Standard specifies a method for the recovery of binder from bitumen emulsions in a manner that will permit further testing with minimum changing the characteristics of the binder.

**EVS-EN 13075-1:2002**

Hind 109,00

Identne EN 13075-1:2002

**Bitumen and bituminous binders - Determination of breaking behaviour - Part 1: Determination of breaking value of cationic bitumen emulsions, mineral filler method**

This European Standard specifies a method for the determination of the breaking value of cationic bitumen emulsions.

**EVS-EN 13075-2:2002**

Hind 75,00

Identne EN 13075-2:2002

**Bitumen and bituminous binders - Determination of breaking behaviour - Part 2: Determination of fines mixing time of cationic bitumen emulsions**

This European Standard specifies a method for the determination of the fines mixing time of cationic bitumen emulsions, under standardized conditions.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38591

Tähtaeg: 2003-02-01

Identne prEN 13357:2002

**Bitumen and bituminous binders - Determination of the efflux time of petroleum cut-back and fluxed bitumens**

This European Standard specifies a method for the determination of the efflux time (pseudoviscosity) of petroleum cut-back and fluxed bitumens in seconds using an efflux viscometer

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**91.100.60**

**Soojus- ja  
heliisolatsioonimaterjalid**

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Thermal and sound  
insulating materials

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 37165

Tähtaeg: 2003-01-01

Identne ISO/FDIS 13787:2002

ja identne prEN ISO 13787:2002

**Thermal insulation products for building equipment and industrial installations - Determination of declared thermal conductivity**

This European Standard establishes the procedure for the determination and verification of the declared thermal conductivity as a function of temperature of thermal insulating materials and products used for the insulation of building equipment and industrial installations

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**91.100.99**

**Muud chitusmaterjalid**

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Other construction materials

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**UUED STANDARDID**

**EVS-EN 13579:2002**

Hind 83,00

Identne EN 13579:2002

**Products and systems for the protection and repair of concrete structures - Test methods - Drying test for hydrophobic impregnation**

This European Standard specifies a test method to evaluate the effect of surface impregnants on the drying rate coefficient of impregnated specimens. The method primarily relates to the protection of concrete structures.

**EVS-EN 13024-1:2002**

Hind 155,00

Identne EN 13024-1:2002

**Glass in building - Thermally toughened borosilicate safety glass - Part 1: Definition and description**

This European Standard specifies tolerances, flatness, edgework, fragmentation and physical and mechanical characteristics of monolithic flat thermally toughened borosilicate safety glass for use in buildings. Information on curved thermally toughened borosilicate safety glass is given in

annex B, but this product does not form part of this standard.

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**91.120.20**

**Akustika ehituses.  
Heliisolatsioon.**

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Acoustics in building. Sound  
insulation

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**UUED STANDARDID**

**EVS-EN 12758:2002**

Hind 92,00

Identne EN 12758:2002

**Glass in building - Glazing and airborne sound insulation - Product descriptions and determination of properties**

This European Standard assigns sound insulation values to all transparent, translucent and opaque glass products, described in European Standards on basic or processed glass products, when intended to be used in glazed assemblies in buildings, and which exhibit properties of acoustic protection, either as a prime intention or as a supplementary characteristic

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**91.120.40**

**Piksekaitse**

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Lightning protection

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**UUED STANDARDID**

**EVS-EN 61663-1:2002**

Hind 247,00

Identne IEC 61663-

1:1999+corr:1999

ja identne EN 61663-1:1999

**Lightning protection - Telecommunication lines - Part 1: Fibre optic installations**

The scope of this Standard is the protection against lightning of telecommunication lines in fibre optics installations. The object of this Standard is to limit the number of possible primary failures (3.1) occurring in the optical fibre cable in a specified installation within values which are lower than or equal to the limit value, defined as the accepted frequency of primary failures.

**EVS-EN 61663-2:2002**

Hind 283,00

Identne IEC 61663-2:2001

ja identne EN 61663-2:2001

**Lightning protection -  
Telecommunication lines -  
Part 2: Lines using metallic  
conductors**

The scope of this part of IEC 61663 is protection against lightning of outdoor telecommunication lines using metallic conductors ( e.g. access network, lines between buildings). Its object is to protect telecommunication lines and connected equipment against the direct and indirect influence of lightning by limiting the risk of damage due to overvoltages and overcurrents, liable to occur in these lines, to values which are lower than or equal to tolerable risk of damage.

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**91.140**

**Hoonete tehnoseadmed**

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**Installations in buildings**

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**UUED STANDARDID**

**EVS-EN 62056-31:2002**

Hind 338,00

Identne IEC 62056-31:1999

ja identne EN 62056-31:2000

**Electricity metering - Data exchange for meter reading, tariff and load control - Part 31: Use of local area networks on twisted pair with carrier signalling**

This document is the first revision of the IEC 1142 (1993) standard "Data exchange for meter reading, tariff and load control - Local bus data exchange". Its purpose is to describe two new architectures for local bus data exchange with stations either energized or not. For non-energized stations, the bus supplies energy for data exchange.

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**91.140.10**

**Keskküttesüsteemid**

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**Central heating systems**

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**UUED STANDARDID**

**EVS-EN 12170:2002**

Hind 170,00

Identne EN 12170:2002

**Heating systems in buildings - Procedure for the preparation of documents for operation, maintenance and use - Heating systems requiring a trained operator**

This European Standard specifies requirements for providing documents for the operation, maintenance and use of heating systems in buildings requiring a trained operator

**EVS-EN 12171:2002**

Hind 83,00

Identne EN 12171:2002

**Heating systems in buildings - Procedure for the preparation of documents for operation, maintenance and use - Heating systems not requiring a trained operator**

This standard specifies requirements for providing documents for the operation, maintenance and use of heating systems in buildings not requiring a trained operator. Parts of heating systems covered by this standard are: - boilers or heat supply equipment, including control; - safety arrangements, including air supply; - domestic hot water production facilities; - energy sources, storage and supply; - flue gas systems, including condensate treatment and disposal; - heat distribution network, including associated components; - heat emitters, including accessories; - control system; - water treatments and procedures (e.g. chemical and physical, including antifreeze).

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**91.140.30**

**Ventilatsiooni- ja kliimasüsteemid**

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**Ventilation and air-conditioning systems**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 39399

Tähtaeg: 2003-01-01

Identne prEN 779:2002

**Particulate air filters for general ventilation - Determination of the filtration performance**

This European Standard refers to particulate air filters for general ventilation. These filters are classified according to their performance as measured in this test procedure. This European Standard contains requirements to be met by particulate air filters. It describes testing methods and the test rig for measuring filter performance

prEVS 54151

Tähtaeg: 2003-01-01

Identne prEN 12792:2002  
**Ventilation for buildings - Symbols, terminology and graphical symbols**

This European Standard comprises the symbols and terminology included in the European standards covering 'Ventilation for buildings' produced by CEN/ TC156

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**91.140.40**

**Gaasivarustussüsteemid**

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**Gas supply systems**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 13208

Tähtaeg: 2003-01-01

Identne prEN 1555-1:2002

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

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

prEVS 13421

Tähtaeg: 2003-01-01

Identne prEN 1555-4:2002

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

This part of prEN 1555 specifies the characteristics of valves made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels

prEVS 13429

Tähtaeg: 2003-01-01

Identne prEN 1555-2:2002

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

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

prEVS 13430

Tähtaeg: 2003-01-01

Identne prEN 1555-3:2002

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

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

prEVS 13432

Tähtaeg: 2003-01-01

Identne prEN 1555-5:2002

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

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

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**91.140.50**

**Elektrivarustussüsteemid**

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**Electricity supply systems**

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**UUED STANDARDID**

**EVS-EN 50310:2002**

Hind 130,00

Identne EN 50310:2000

**Application of equipotential bonding and earthing in buildings with information technology equipment**

This European Standard applies to the bonding network of a building (CBN), the bonding network of the Information Technology equipment (MESH-BN), and the interconnection between these two networks. It contributes to the standardisation of Information Technology equipment and co-ordinates with the pre-requirements of the generic installation conditions as outlined in IEC 60364-5-548 to achieve the following targets: a) safety from electrical hazards; b) reliable signal reference within the entire Information Technology installation; c) satisfactory electromagnetic performance of the entire Information Technology installation.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 35381

Tähtaeg: 2002-12-01

Identne IEC 60387:1992

ja identne EN 60387:1992

**Symbols for alternating-current electricity meters**

This international standard applies to letter and graphical symbols for a.c. electricity meters and their auxiliary devices, independent of induction or static measurement elements.

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**91.140.60**

**Veevarustussüsteemid**

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**Water supply systems**

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 13195

Tähtaeg: 2003-01-01

Identne prEN 12201-1:2002

**Plastics piping systems for water supply - Polyethylene (PE) - Part 1: General**

This Part of this European Standard specifies the general aspects of polyethylene (PE) piping systems (mains and service pipes) intended for the conveyance of water for human consumption, including raw water prior to treatment. It also specifies the test parameters for the test methods referred to in this standard

prEVS 13361

Tähtaeg: 2003-01-01

Identne prEN 12201-5:2002

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

This Part of this European Standard specifies the characteristics of the fitness for purpose of the assembled piping systems intended for the conveyance of water intended for human consumption, including raw water prior to treatment

prEVS 22340

Tähtaeg: 2002-12-01

Identne EN 50193:1997

**Closed electrical instantaneous water heaters - Methods for measuring performance**

This standard applies to hydraulic, closed electrical instantaneous water heaters for household and similar use. This standard does not apply to storage water heaters (HD 500 S1) and to instantaneous water heaters with electronically controlled power input. This standard specifies definitions and measurement methods for assessing the performance characteristics. It does not deal

with safety requirements which are covered by EN 60335-2-35.

prEVS 35556

Tähtaeg: 2003-01-01

Identne prEN 13076:2002

**Devices to prevent pollution by backflow of potable water - Unrestricted air gap-Family A - Type A**

This European standard specifies the characteristics and the requirements of unrestricted air gaps Family A Type A intended for protection of potable water in water installations from pollution

prEVS 39271

Tähtaeg: 2003-01-01

Identne prEN 13443-1:2002

**Water conditioning equipment inside buildings - Mechanical filters - Part 1: Particle rating 80 µm to 150 µm - Requirements for performances and safety, testing**

Part 1 of this European standard applies to mechanical filters for drinking water installations inside buildings, of nominal size from DN 15 to DN 100, minimum nominal pressure PN10, particle rating of 80 µm to 150 µm, and minimum design temperature of 30° C. It specifies requirements relating to the construction and mode of operation of filters and describes relevant methods of testing. It only concerns units which are permanently connected to the mains supply at the point of entry into the building

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**91.140.70**

**Sanitaarseadmed**

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**Sanitary installations**

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**UUED STANDARDID**

**EVS-EN 263:2002**

Hind 75,00

Identne EN 263:2002

**Crosslinked cast acrylic sheets for baths and shower trays for domestic purposes**

This European Standard specifies requirements and test methods for crosslinked cast acrylic sheets (called acrylic sheets hereafter) from which baths and shower trays for domestic purposes are manufactured.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54026

Tähtaeg: 2003-01-01

Identne prEN 111:2002

**Wall-hung hand rinse basins -  
Connecting dimensions**

This European Standard specifies the connecting dimensions of wall-hung hand rinse basins, regardless of materials used for their manufacture. This standard is not applicable to appliances of actual width of more than 530 mm  
prEVS 54153

Tähtaeg: 2003-01-01  
Identne prEN 33:2002

**Pedestal W.C. pans with close-coupled flushing cistern -  
Connecting dimensions**

This European Standard specifies the connecting dimensions of pedestal W.C. pans with close-coupled flushing cistern having an exposed outlet on the horizontal or vertical axis or a concealed outlet, regardless of the materials used for their manufacture

prEVS 54239  
Tähtaeg: 2003-01-01  
Identne prEN 13558:2002

**Sanitary appliances -  
Specifications for impact  
modified extruded acrylic sheets  
for shower trays for domestic  
purposes**

This European Standard specifies the properties of impact modified extruded acrylic sheets from which shower trays for domestic purposes are manufactured  
prEVS 54243

Tähtaeg: 2003-01-01  
Identne prEN 13559:2002

**Sanitary appliances -  
Specifications for impact  
modified coextruded**

**ABS/Acrylic sheets for baths  
and shower trays for domestic  
purposes**

This European Standard specifies the properties of coextruded ABS sheets with impact modified acrylic top layer from which baths and shower trays for domestic purposes are manufactured  
prEVS 54294

Tähtaeg: 2003-01-01  
Identne prEN 14516:2002

**Baths for domestic purposes**

This standard specifies requirements, test methods and procedures for evaluation of conformity for baths used for domestic purposes which ensure that the product, when installed, used and maintained in accordance with the manufacturer's instructions, will satisfy cleanliness and durability when used for personal hygiene

**91.140.80  
Kanalisatsioon**

**Drainage systems**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54171  
Tähtaeg: 2003-01-01  
Identne prEN 13564-2:2002

**Anti-flooding devices for  
buildings - Part 2: Test methods**

This standard specifies test methods for anti-flooding devices for buildings in accordance with prEN 13564-1:2001.

**91.140.90  
Liftid. Eskalaatorid**

**Lifts. Escalators**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54271  
Tähtaeg: 2003-01-01  
Identne prEN 81-70:2002

**Safety rules for the construction  
and installations of lifts -  
Part 70: Particular applications  
for passenger and good  
passenger lifts - Accessibility to  
lifts for persons including  
persons with disability**

This European Standard specifies the minimum requirements for the safe and independent access and use of lifts by persons, including persons with the disabilities mentioned in annex B, Table B.1. This European Standard covers lifts with minimum car dimensions according to Table 1 and provided with car doors and landing doors constructed as automatic power operated horizontally sliding doors

**91.160.20  
Välisvalgustus**

**Exterior building lighting**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 54315  
Tähtaeg: 2003-01-01  
Identne prEN 12464-1:2002

**Light and lighting - Lighting of  
work places - Part 1: Indoor  
work places**

This European standard specifies lighting requirements for indoor work places, which meet the needs for visual comfort and performance. All usual visual tasks

are considered, including Display Screen Equipment (DSE)

**91.220  
Ehitusseadmed**

**Construction equipment**

**KAVANDITE  
ARVAMUSKÜSITLUS**

prEVS 11567  
Tähtaeg: 2003-01-01  
Identne prEN 1004:2002

**Mobile access and working  
towers made of prefabricated  
elements - Materials,  
dimensions, design loads, and  
safety requirements**

This European standard applies to the design of mobile access and working towers made of prefabricated elements with a height from 2,5 m to 12,0 m (indoors) and from 2,5 m to 8,0 m (outdoors)  
prEVS 19396

Tähtaeg: 2003-01-01  
Identne prEN 12111:2002

**Tunnelling machines - Road  
headers, continuous miners and  
impact rippers - Safety  
requirements**

This European Standard specifies all significant hazards, hazardous situations and events relevant to road headers, continuous miners and impact rippers, when they are used as intended and under the conditions foreseen by the manufacturer (see clause 4). This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. This European Standard is applicable to road headers, continuous miners and impact rippers used in tunnelling and underground mining  
prEVS 54210

Tähtaeg: 2003-01-01  
Identne prEN 12811-3:2002

**Temporary works equipment -  
Part 3: Load testing**

This Standard specifies rules for load testing, documentation and evaluation of test results in the field of non mechanical temporary work items

**93  
Tsiiviilehitus  
Civil Engineering**

prEVS 54051  
Tähtaeg: 2002-12-01  
Identne: EVS 847-1:2002

## Ühisveevärk. Osa 1: Veehaarded

prEVS 54052

Tähtaeg: 2002-12-01

Identne: EVS 847-2:2002

## Ühisveevärk. Osa 2:

Veepuhastus

prEVS 54053

Tähtaeg: 2002-12-01

Identne: EVS 847-3:2002

## Ühisveevärk. Osa 3: Veevärgi

projekteerimine

prEVS 54054

Tähtaeg: 2002-12-01

Identne: EVS 848:2002

Ühiskanalisatsioonivõrk

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## 93.020

**Mullatööd. Süvendid.**

**Vundamendiehitus.**

**Allmaatööd**

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Earthworks. Excavations.

Foundation construction.

Underground works

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## KAVANDITE

**ARVAMUSKÜSITLUS**

prEVS 54208

Tähtaeg: 2003-01-01

Identne prEN 14490:2002

**Execution of special  
geotechnical works - Soil  
nailing**

This European Standard establishes general principles for the construction of special geotechnical works involving soil nailing. Soil nailing is a construction technique used to enhance / maintain the stability of a soil mass by the installation of reinforcing elements (soil nails). Typical examples of soil nailing are given in Figures 1, 2 and 3

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## 93.030

**Kanalisatsiooni**

**välisvõrgud**

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External sewage systems

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## UUED STANDARDID

EVS-EN 1437:2002

Hind 101,00

Identne EN 1437:2002

**Plastics piping systems - Piping  
systems for underground  
drainage and sewerage - Test  
method for resistance to  
combined temperature cycling  
and external loading**

This standard specifies two methods for testing pipes and fittings or joints for plastics piping systems intended for use in underground drainage and sewerage systems for their resistance to deformation and leakage when subjected to sustained external loading in conjunction with the passage of hot water.

EVS-EN 1852-1:2001/A1:2002

Hind 75,00

Identne EN 1852-1:1999/A1:2002

**Plastics piping systems for non-  
pressure underground drainage  
and sewerage - Polypropylene  
(PP) - Part 1: Specifications for  
pipes, fittings and the system**

The fourth paragraph is changed as follows, including a new note 0 (zero): This standard covers PP materials both with normal E-moduli and with higher E-moduli, designated as HM (higher modulus), and gives a range of nominal sizes, and pipe series and gives recommendations concerning colours

## KAVANDITE

**ARVAMUSKÜSITLUS**

prEVS 37238

Tähtaeg: 2003-01-01

Identne prEN 13244-1:2002

**Plastics piping systems for  
buried and above-ground  
pressure systems for water for  
general purposes, drainage and  
sewerage - Polyethylene (PE) -  
Part 1: General**

This Part of prEN 13244 specifies the general aspects of polyethylene (PE) piping systems intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

prEVS 37239

Tähtaeg: 2003-01-01

Identne prEN 13244-2:2002

**Plastics piping systems for  
buried and above-ground  
pressure systems for water for  
general purposes, drainage and  
sewerage - Polyethylene (PE) -  
Part 2: Pipes**

This Part of prEN 13244 specifies the characteristics of pipes made from polyethylene (PE) intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

prEVS 37240

Tähtaeg: 2003-01-01

Identne prEN 13244-3:2002

**Plastics piping systems for  
buried and above-ground  
pressure systems for water for  
general purposes, drainage and  
sewerage - Polyethylene (PE) -  
Part 3: Fittings**

This Part of prEN 13244 specifies the characteristics of fittings made from polyethylene (PE) intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

prEVS 37241

Tähtaeg: 2003-01-01

Identne prEN 13244-4:2002

**Plastics piping systems for  
buried and above-ground  
pressure systems for water for  
general purposes, drainage and  
sewerage - Polyethylene (PE) -  
Part 4: Valves**

This Part of prEN 13244 specifies the characteristics of valves or valve bodies made from polyethylene (PE) intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

prEVS 37242

Tähtaeg: 2003-01-01

Identne prEN 13244-5:2002

**Plastics piping systems for  
buried and above-ground  
pressure systems for water for  
general purposes, drainage and  
sewerage - Polyethylene (PE) -  
Part 5: Fitness for purpose of  
the system**

This Part of prEN 13244 specifies the characteristics of the fitness for purpose of the assembled piping systems intended for buried and above-ground pressure systems for water for general purposes, drainage and sewerage. It is also applicable for vacuum sewer systems

prEVS 54108

Tähtaeg: 2003-01-01

Identne prEN 12380:2002

**Air admittance valves for  
drainage systems -  
Requirements, tests methods  
and evaluation of conformity**

This European Standard establishes requirements, test methods and evaluation of conformity for air admittance valves to be used in drainage

systems installed inside buildings in accordance with EN 12056-2 and EN 12056-5. It specifies the performance requirements of air admittance valves and how to test them to demonstrate compliance with this standard

prEVS 54246

Tähtaeg: 2003-01-01

Identne prEN 13508-2:2002

**Conditions of drain and sewer systems outside buildings - Part 2: Visual inspection coding system**

This European Standard is applicable to the establishment of the condition of drain and sewer systems by inspection, status codification and consideration of external factors and other information.

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## 93.060

### Tunnelihitus

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#### Tunnel construction

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#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 19396

Tähtaeg: 2003-01-01

Identne prEN 12111:2002

**Tunnelling machines - Road headers, continuous miners and impact rippers - Safety requirements**

This European Standard specifies all significant hazards, hazardous situations and events relevant to road headers, continuous miners and impact rippers, when they are used as intended and under the conditions foreseen by the manufacturer (see clause 4). This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. This European Standard is applicable to road headers, continuous miners and impact rippers used in tunnelling and underground mining

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## 93.080.20

### Teedehitusmaterjalid

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#### Road construction materials

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#### UUED STANDARDID

EVS-EN 13043:2002

Hind 190,00

Identne EN 13043:2002

**Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas**

This European Standard specifies the properties of aggregates and filler aggregates obtained by processing natural or manufactured or recycled materials for use in bituminous mixtures and surface treatments for roads, airfields and other trafficked areas. This standard does not cover the use of reclaimed bituminous mixtures

EVS-EN 12697-5:2002

Hind 117,00

Identne EN 12697-5:2002

**Bituminous mixtures - Test methods for hot mix asphalt - Part 5: Determination of the maximum density**

This European Standard specifies test methods for determining the maximum density of a bituminous mixture (voidless mass). It specifies a volumetric procedure, a hydrostatic procedure and a mathematical procedure. The test methods described are intended for use with loose bituminous mixtures containing paving grade bitumens, modified binders or other bituminous binders used for hot mix asphalt. The tests are suitable for both fresh or aged bituminous mixtures.

#### KAVANDITE

#### ARVAMUSKÜSITLUS

prEVS 22014

Tähtaeg: 2003-01-01

Identne prEN 12271-10:2002

**Surface dressing - Specifications - Part 10: Factory production control**

This Draft European Standard specifies Factory Production Control (FPC) requirements for use by those designing and manufacturing surface dressing as a product. It also gives guide for the certification bodies involved with the factory production control of surface dressing

prEVS 35827

Tähtaeg: 2003-01-01

Identne prEN 13036-4:2002

**Road and airfield surface characteristics - Test methods - Part 4: Method for measurement of slip/skid resistance of a surface - The pendulum test**

This European Standard describes a method for determining the slip/skid resistance of a surface using a device which remains stationary at the test location. The slip/skid resistance is measured by means of a pendulum arm

prEVS 38811

Tähtaeg: 2003-01-01

Identne prEN 13036-3:2002

**Road and airfield surface characteristics - Test methods - Part 3: Measurement of pavement surface horizontal drainability**

This European Standard describes a method for determining the horizontal drainability of a road surface as an indicator of relatively low surface texture using the outflow meter as a stationary device

prEVS 54174

Tähtaeg: 2003-01-01

Identne EN 1424:1997/prA1:2002

**Road marking materials - Premix glass beads**

This Standard specifies the requirements for laboratory tests (production control) and qualification procedures for the premixed glass beads used in road marking materials. The requirements taken into consideration in this standard are: granulometry; refractive index of the glass; chemical resistance; quality; surface treatments. This European Standard does not cover the glass beads used as a filler in the marking products.

prEVS 54175

Tähtaeg: 2003-01-01

Identne EN 1436:1997/prA1:2002

**Teemärgistusmaterjalid.**

**Teemärgiste**

**ekspluatatsioonimadused**

**teede kasutajate jaoks**

This standard specifies the performance for road users of white and yellow road markings, as expressed by their reflection in daylight and under road lighting, retroreflection in vehicle headlamp illumination, colour and skid resistance.

prEVS 54231

Tähtaeg: 2003-01-01

Identne prEN 12271-11:2002

**Surface dressing - Specifications - Part 11: Type Approval Installation Trial (TAIT)**

This Draft European Standard specifies the requirements for Type Approval Installation Trials (TAITs) for use by producers designing and manufacturing surface dressing to meet product performance specifications

prEVS 54448

Tähtaeg: 2003-01-01

Identne prEN 13286-40:2002



**Unbound and hydraulically bound mixtures - Part 40: Test method for determination of the direct tensile strength of hydraulically bound mixtures**

This European Standard describes a test method for the determination of the direct tensile strength of specimens of hydraulically bound mixtures. This European standard applies to specimens of hydraulically bound mixture made in accordance with prEN 13286-52

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**93.080.30**

**Teepäraldised**

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**Road equipment and installations**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 13663

Tähtaeg: 2003-01-01

Identne prEN 1433:2002

**Drainage channels for vehicular and pedestrian areas -**

**Classification, design and testing requirements, marking and evaluation of conformity**

This European Standard specifies requirements for linear drainage channels for the collection and conveyance of surface water when installed within areas subjected to pedestrian and/or vehicular traffic prEVS 54172

Tähtaeg: 2003-01-01

Identne prEN 1794-2:2002

**Road traffic noise reducing devices - Non-acoustic performance - Part 2: General safety and environmental requirements**

This European Standard specifies minimum requirements and other criteria for assessing the general safety and environmental performance of road traffic noise reducing devices under typical roadside conditions. Requirements for more onerous conditions are a matter for consideration by the designer. Appropriate test methods are provided where these are necessary, but for some aspects a declaration of material characteristics may be required for the information of designers. The treatment of each topic is covered separately in annexes A to F prEVS 54173

Tähtaeg: 2003-01-01

Identne prEN 1794-1:2002

**Road traffic noise reducing devices - Non-acoustic performance - Part 1: Mechanical performance and stability requirements**

This European Standard provides criteria to categorize road traffic noise reducing devices according to basic mechanical performance under standard conditions of exposure, irrespective of the materials used. A range of conditions and optional requirements is provided to allow for the wide diversity of practice within Europe. Individual aspects of performance are covered separately in the annexes. Safety considerations in the event of damage to noise reducing devices are covered in Part 2 of this European Standard

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**93.100**

**Raudtee-ehitus**

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**Construction of railways**

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**UUED STANDARDID**

**EVS-EN 13146-6:2002**

Hind 66,00

Identne EN 13146-6:2002

**Railway applications - Track - Test methods for fastening systems - Part 6: Effect of severe environmental conditions**

This European Standard specifies a laboratory test procedure for finding the effect of exposure to severe environmental conditions on the fastening system. This test procedure applies to a complete fastening assembly.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 36840

Tähtaeg: 2003-01-01

Identne prEN 13146-1:2002

**Railway applications - Track - Test methods for fastening systems - Part 1: Determination of longitudinal rail restraint**

This Part of this European Standard specifies a laboratory test procedure to determine the maximum axial load that can be applied to a rail, secured to a sleeper, bearer or element of slab track by a rail fastening assembly, without non-elastic displacement of the rail occurring prEVS 36841

Tähtaeg: 2003-01-01

Identne prEN 13146-2:2002

**Railway applications - Track - Test methods for fastening systems - Part 2: Determination of torsional resistance**

This Part of this European Standard specifies a laboratory test procedure to determine the moment necessary to rotate a rail, secured to a sleeper by a rail fastening assembly, through 1° in a plane parallel to the base of the sleeper. The value obtained can be used in track stability calculations prEVS 36842

Tähtaeg: 2003-01-01

Identne prEN 13146-3:2002

**Railway applications - Track - Test methods for fastening systems - Part 3: Determination of attenuation of impact loads**

This Part of this European Standard specifies laboratory test procedures for applying an impact to a rail fastened to a concrete sleeper or bearer which simulates the impact loading caused by traffic on railway track and measuring the strain induced in the sleeper. They are used for comparing the attenuation of impact loads on concrete sleepers or bearers by different rail pads. A reference procedure and alternative procedure are included prEVS 36843

Tähtaeg: 2003-01-01

Identne prEN 13146-4:2002

**Railway applications - Track - Test methods for fastening systems - Part 4: Effect of repeated loading**

This Part of this European Standard specifies a laboratory test procedure for applying repeated displacement cycles representative of the displacements caused by traffic on railway track. It is used for assessing the long term performance of direct fastening systems prEVS 36849

Tähtaeg: 2003-01-01

Identne prEN 13146-5:2002

**Railway applications - Track - Test methods for fastening systems - Part 5: Determination of electrical resistance**

This Part of this European Standard specifies a laboratory test procedure for determining the electrical resistance, in wet conditions, between the running rails provided by a fastening system fitted to a steel or concrete sleeper, bearer or element of slab track

prEVS 36852

Tähtaeg: 2003-01-01

Identne prEN 13146-7:2002

**Railway applications - Track - Test methods for fastening systems - Part 7: Determination of clamping force**

This Part of this European Standard specifies laboratory test procedures for measuring the clamping force exerted by the fastening system on the foot of a rail. It is applicable to systems with and without baseplates on all types of sleepers, bearers and elements of slab track

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**97.020**

**Kodumajanduse üldküsimumused**

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**Home economics in general**

**UUED STANDARDID**

**EVS-EN 50333:2002**

Hind 66,00

Identne EN 50333:2001

**Audio, video and similar electronic apparatus - Routine electrical safety testing in production**

This standard applies to audio, video and similar electronic apparatus. It defines the ROUTINE ELECTRICAL SAFETY TESTs and their procedures to be applied during or at the end of the manufacturing process of apparatus certified or declared as complying with EN 60065.

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54140

Tähtaeg: 2002-12-01

Identne IEC 60065:2001

ja identne EN 60065:2002

**Audio, video and similar electronic apparatus - Safety requirements**

This International Standard applies to electronic apparatus designed to be fed from the MAINS or from a SUPPLY APPARATUS and intended for reception, generation, recording or reproduction respectively of audio, video and associated signals. It also applies to apparatus designed to be used exclusively in combination with the above mentioned apparatus. This standard concerns only safety aspects of the above apparatus; it does not concern other matters, such as style or performance.

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**97.040.20**

**Pliidid, töölaudad, ahjud jms**

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Cooking ranges, working tables, ovens and similar appliances

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**UUED STANDARDID**

**EVS-EN 50304:2002**

Hind 126,00

Identne EN 50304:2001

**Electric ovens for household use - Methods for measuring the energy consumption**

This standard applies to electric ovens for household use. It is not applicable to: - microwave ovens; - microwave combination ovens (see 4.6) if the microwave function cannot be switched off by the user; - small ovens (see 4.4); - ovens without adjustable temperature control; - heating functions others than defined in 4.1 - 4.3.

**EVS-EN 61309:2002**

Hind 190,00

Identne IEC 61309:1995

ja identne EN 61309:1995

**Deep-fat fryers for household use - Methods for measuring the performance**

This International Standard applies to electric deep-fat fryers for household use with a capacity of up to 4 l of oil or fat. The purpose of this standard is to state and define the principal performance characteristics of deep-fat fryers which are of interest to the user, to describe test methods for measuring these characteristics and to give some guidelines for the evaluation of the test results.

**EVS-EN 61591:2002**

Hind 146,00

Identne IEC 61591:1997

ja identne EN 61591:1997

**Household range hoods - Methods for measuring performance**

This standard applies to range hoods incorporating a fan for the recirculation or forced removal of air from above a hob situated in a household kitchen. This standard defines the main performance characteristics of range hoods and specifies methods for measuring these characteristics, for the information of users. This standard does not specify required values for performance characteristics.

**EVS-EN 30-1-4:2002**

Hind 247,00

Identne EN 30-1-4:2002

**Domestic cooking appliances burning gas - Part 1-4: Safety - Appliances having one or more burners with automatic burner control system**

This standard specifies the construction and performance characteristics as well as the requirements and methods of test for the safety and marking of domestic cooking appliances, capable of using the combustible gases defined in EN 30-1-1:1998, that have one or more burners with an automatic burner control system, referred to in the text as appliances .

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 23942

Tähtaeg: 2002-12-01

Identne IEC 60705:1999

ja identne EN 60705:1999

**Household microwave ovens - Methods for measuring performance**

Applies to appliances for heating food and beverages, by electromagnetic energy (microwaves) in one or more of the I.S.M. frequency bands between 300 MHz and 30 GHz, for household use. These appliances may also use thermal cooking means as employed in conventional cooking ranges and ovens for household use. They may also incorporate a browning function. It also applies to combination microwave ovens when used in the microwave generating mode only.

prEVS 24828

Tähtaeg: 2003-02-01

Identne prEN 1860-1:2002

**Appliances, solid fuels and firelighters for barbecuing - Part 1: Barbecues burning solid fuels - Requirements and test methods**

This Part of this European Standard is applicable to barbecues which burn solid fuels, except single use barbecues. Barbecues which are intended to be converted from other fuels to solid fuels are also applicable to this standard

prEVS 33209

Tähtaeg: 2003-01-01

Identne prEN 12778:2002

**Cookware - Pressure cookers for domestic use**

This European Standard defines terms, establishes manufacturing, safety and functional requirements and corresponding tests and specifies data for marking, labelling and instructions for use, for pressure cookers. This standard is applicable to portable pressure cookers for domestic use, with gross volume up to 25 l, with working pressure over 4 kPa and less than 150 kPa, with either integrated or independent heating

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**97.040.50**

**Köögi väikevahendid**

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Small kitchen appliances

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 24778

Tähtaeg: 2002-12-01

Identne IEC 60619:1993

ja identne EN 60619:1993

**Electrically operated food preparation appliances - Measuring methods**

Applies to electrically operated food preparation appliances for household use. States and defines test methods for measuring the functions that can be done by means of household electrical food preparation appliances which are of interest to the user and gives some guidelines for the evaluation of the test results.

prEVS 31426

Tähtaeg: 2002-12-01

Identne IEC 60442:1998

ja identne EN 60442:1998

**Electric toasters for household and similar purposes - Methods for measuring the performance**

Applies to electric toasters for household use. The purpose of this Standard is to state and define the main performance characteristics for toasters, which are of interest to the user, to describe the standard methods for measuring these characteristics and to give some guidelines for the evaluation of test results.

prEVS 38284

Tähtaeg: 2003-01-01

Identne prEN 13248:2002

**Cookware - Coffee makers for domestic use with an independent heat source - Definitions, requirements and test methods**

This European standard defines terms, establishes manufacturing, safety and functional requirements and corresponding tests and specifies data for marking, instructions for use and maintenance for domestic coffee makers with an independent heating system

prEVS 54401

Tähtaeg: 2002-12-01

Identne IEC 60335-2-

64:1997/A1:2000

ja identne EN 60335-2-

64:2000/A1:2002

**Safety of household and similar electrical appliances - Part 2-64: Particular requirements for commercial electric kitchen machines**

This standard deals with the safety of electrically operated commercial kitchen machines not intended for household use, their rated voltage being not more than 250 V for single phase appliances connected between one phase and neutral, and 480 V for other appliances. This standard also deals with hygiene and acoustical noise (see annex ZAA).

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**97.040.60**

**Kööginõud, söögiriistad ja lauanõud**

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Cookware, cutlery and flatware

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 33209

Tähtaeg: 2003-01-01

Identne prEN 12778:2002

**Cookware - Pressure cookers for domestic use**

This European Standard defines terms, establishes manufacturing, safety and functional requirements and corresponding tests and specifies data for marking, labelling and instructions for use, for pressure cookers. This standard is applicable to portable pressure cookers for domestic use, with gross volume up to 25 l, with working pressure over 4 kPa and less than 150 kPa, with either integrated or independent heating

prEVS 54256

Tähtaeg: 2003-01-01

Identne ISO/FDIS 8442-5:2002

ja identne prEN ISO 8442-5:2002

**Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 5:**

**Specification for sharpness and edge retention test of cutlery**

This European Standard specifies the sharpness and edge retention of knives which are produced for professional and domestic use in the preparation of food of all kinds, specifically those knives intended for hand use. Powered blade instruments of any kind are excluded

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**97.060**

**Pesumajade sisseseade**

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Laundry appliances

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54383

Tähtaeg: 2002-12-01

Identne IEC 60335-2-

4:1993/A2:1999

ja identne EN 60335-2-

4:1995/A2:2000

**Safety of household and similar electrical appliances - Part 2-4: Particular requirements for spin extractors**

Deals with the safety of electric spin extractors for household and similar purposes, having a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances. Spin extractors incorporated in washing machines are within the scope of this standard, irrespective of their capacity.

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**97.100.20**

**Gaasiga köetavad kütteseadmed**

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Gas heaters

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 38070

Tähtaeg: 2003-01-01

Identne prEN 13278:2002

**Open fronted gas-fired independent space heaters**

This European Standard specifies the requirements and test methods for the construction, safety, marking and rational use of energy of open fronted gas-fired independent space heaters with and without a fan to assist with the transportation of flue gases, hereafter referred to as appliances. Although the fan may be mounted outdoors, this standard only covers appliances where the body of the appliance is indoors

prEVS 54154

Tähtaeg: 2003-01-01

Identne prEN 449:2002

**Specification for dedicated liquefied petroleum gas appliances - Domestic flueless space heaters (including diffusive catalytic combustion heaters)**

This standard specifies the requirements, the test methods and the marking of domestic flueless space heaters, including diffusive catalytic combustion heaters, having a nominal heat input (Hs), not exceeding 4,2 kW burning 3rd family gases at nominal operating pressures not exceeding 50 mbar, referred to in the text as

'appliances'

prEVS 54235

Tähtaeg: 2003-01-01

Identne EN 509:1999/prA1:2002

**Decorative fuel- effect gas appliances**

This European Standard specifies the requirements and test methods for the construction, safety, and marking of decorative fuel effect gas appliances not exceeding a nominal heat input of 20 kW, (based on the net calorific value), thereafter referred to as appliances

prEVS 54236

Tähtaeg: 2003-01-01

Identne EN 613:2000/prA1:2002

**Independent gas-fired convection heaters**

This European Standard specifies the requirements and test methods for the construction, safety, marking and rational use of energy of independent gas-fired convection heating appliances, hereafter referred to as appliances.

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## 97.120

### Majapidamisautomaatika

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Automatic controls for household use

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#### UUED STANDARDID

##### EVS-EN 50344-1:2002

Hind 66,00

Identne EN 50344-1:2001

##### **Routine tests for controls within the scope of the EN 60730 series - Part 1: General requirements**

The tests detailed in this standard are carried out by the manufacturer and apply to products within the scope of EN 60730-1 and its part 2s. This standard is for use within the scheme of the CENELEC certification agreement (CCA) and can be used in conjunction with other schemes. Routine tests are line tests performed on 100% of production and are normally carried out at the final stage of manufacture.

#### KAVANDITE

##### ARVAMUSKÜSITLUS

prEVS 24308

Tähtaeg: 2002-12-01

Identne EN 50090-3-1:1994

##### **Home and Building Electronic Systems (HBES) - Part 3-1: Aspects of application - Introduction to the application structure**

This European Standard is part 3-1 of the series of standards EN 50090 on Home and Building Electronic Systems (HBES). It gives an overview of the application related user process as defined in EN 50090-3-2 and the Application Layer (see ENV 50090-3-3). It is founded on the general structure defined in EN 50090-2-1, which is based on the basic reference model for the interconnection of open systems (OSI).

prEVS 24683

Tähtaeg: 2002-12-01

Identne EN 50090-3-2:1995

##### **Home and Building Electronic Systems (HBES) - Part 3-2: Aspects of application - User process**

This standard specifies the structure, the basic means and rules to describe the user process.

prEVS 27446

Tähtaeg: 2002-12-01

Identne EN 50090-2-1:1994

##### **Home and Building Electronic Systems (HBES) - Part 2-1:**

##### **System overview - Architecture**

This European Standard specifies the general features and architecture of the HBES. The object is to define new terms for use in the EN 50090 series, to give general information and advice on the required HBES features and its architecture, to specify the HBES model, to specify the basic functional structure of an HBES with its reference points and interfaces.

prEVS 54111

Tähtaeg: 2002-12-01

Identne EN 50090-2-2:1996/A1:2002

##### **Home and building electronic systems (HBES) - Part 2-2: System overview - General technical requirements**

This standard defines the general technical requirements of a Home and Building Electronic System (HBES) based on SELV or PELV. It concerns cabling and topology, electrical and functional safety, environmental conditions and behaviour in case of failures as well as specific HBES installation rules. The HBES includes also the interfaces of devices and equipment providing connection to the HBES. Parts of devices and equipment not providing HBES functionality are not included. For such parts the relevant product standards apply.

prEVS 54375

Tähtaeg: 2002-12-01

Identne IEC 60730-2-5:2000

ja identne EN 60730-2-5:2002

##### **Automatic electrical controls for household and similar use - Part 2-5: Particular requirements for automatic electrical burner control systems**

Applies to automatic electrical burner control systems for the automatic control of burners for oil, gas, coal or other combustibles for household and similar use including heating, air conditioning and similar use. To be used in conjunction with EN 60730-1:1995.

prEVS 54377

Tähtaeg: 2002-12-01

Identne IEC 60730-2-8:2000

ja identne EN 60730-2-8:2002

**Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements**

Applies to electrically operated water valves for use in, or in association with, equipment for household and similar use (for applications such as heating, air conditioning and similar). Specifies requirements for electrical features of water valves and for mechanical features that affect their intended operation. Applies to the inherent safety, to the operating valves and to the testing of these automatic electrical controls.

prEVS 54405

Tähtaeg: 2002-12-01

Identne IEC 60730-2-13:1995/A2:2000

ja identne EN 60730-2-13:1998/A2:2002

**Automatic electrical controls for household and similar use - Part 2-13: Particular requirements for humidity sensing controls**

This part of IEC 60730 applies to automatic electrical humidity sensing controls for use in, or in association with equipment for household and similar use, including controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof. This part 2 applies to the inherent safety, to the operating valves, operating times, and operating sequences where such are associated with equipment safety. It also applies to the testing of automatic electrical control devices used in, or in association with, household or similar equipment. This part 2 does not apply to automatic electrical controls designed exclusively for industrial applications. This part 2 is also applicable to individual controls utilised as part of control system or controls which are mechanically integral with multifunctional controls having non-electrical outputs. Automatic electrical controls for equipment not intended

prEVS 54406

Tähtaeg: 2002-12-01

Identne IEC 60730-2-2:2001

ja identne EN 60730-2-2:2002

**Automatic electrical controls for household and similar use - Part 2-2: Particular requirements for thermal motor protectors**

Applies to the partial evaluation of thermal motor protectors and their inherent safety. Applies also to thermal motor protectors within the scope of IEC 335-1.

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**97.140**

**Mööbel**

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**Furniture**

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**UUED STANDARDID**

**EVS-EN 13761:2002**

Hind 83,00

Identne EN 13761:2002

**Büroo mööbel. Külalistool**

This European Standard specifies dimensions and safety requirements for visitors chairs. The dimensional requirements are not applicable to easy chairs

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**97.180**

**Mitmesugused kodutarbed**

Miscellaneous domestic and commercial equipment

---

**UUED STANDARDID**

**EVS-EN ISO 9994:2002**

Hind 130,00

Identne ISO 9994:2000

ja identne EN ISO 9994:2002

**Välgumihklid - Ohutuse spetsifikatsioon**

Standard määrab kindlaks välgumihklitele esitatavad nõuded, et tagada õigustatud ohutustase normaalse kasutamise või ennustatava väärkasutamise korral. Standard on rakendatav välgumihklite puhul, mida kasutatakse sigareti, sigari ja piibu süütamiseks.

---

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54238

Tähtaeg: 2002-12-01

Identne IEC 60335-2-41:1996/A1:2000

ja identne EN 60335-2-41:1996/A1:2001

**Safety of household and similar electrical appliances - Part 2-41: Particular requirements for pumps**

This standard deals with the safety of electric pumps for liquids having a temperature not exceeding 35 °C, which are intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

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**97.190**

**Seadmed lastele**

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**Equipment for children**

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54158

Tähtaeg: 2003-01-01

Identne EN 1080:1997/A1:2002

**Löögikaitsekiivrid väikelastele**

This European Standard specifies requirements and test methods for helmets intended for use by young children while pursuing activities in environments which have proven risks of head injuries

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**97.195**

**Kunsti- ja käsitööesemed**

Items of art and handicrafts

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**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54127

Tähtaeg: 2003-01-01

Identne prEN 14059:2002

**Decorative oil lamps - Safety requirements and test methods**

This European Standard specifies requirements and test methods for oil lamps used for decorative purposes in households, in restaurants, in recreational facilities and in similar areas

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**97.200.30**

**Matkavarustus ja laagrikohad**

Camping equipment and camp-sites

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**UUED STANDARDID**

**EVS-EN 13537:2002**

Hind 130,00

Identne EN 13537:2002

**Requirements for sleeping bags**

This European Standard specifies definitions and general requirements as well as provisions for marking and the Information supplied by the manufacturer for sleeping bags used in sports and leisure time activities. It does not apply to sleeping bags intended for specific purpose such as e.g. military use and extreme climate zone expedition

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## 97.200.50 Mänguasjad

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### Toys

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#### UUED STANDARDID

**EVS-EN 71-7:2002**

Hind 155,00

Identne EN 71-7:2002

#### **Safety of toys - Part 7: Finger paints - Requirements and test methods**

This part of EN 71 specifies requirements for the substances and materials used in finger paints and applies to finger paints only. Additional requirements are specified for markings, labelling and containers.

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54059

Tähtaeg: 2002-12-01

Identne EN 50088:1996/A3:2002

#### **Safety of electric toys**

This standard deals with the safety of electric toys. It also applies to electrical constructional sets and electrical functional toys. Toys using electricity for functions other than the principal function are within the scope of this standard. If the packaging in which the toy is sold is also intended to be played with, it is considered to be part of the toy.

prEVS 54222

Tähtaeg: 2003-01-01

Identne EN 71-1:1998/prA9:2002

#### **Mänguasjade ohutus. Osa 1: Mehaanilised ja füüsikalised omadused**

This Part of EN 71 specifies requirements and methods of test for mechanical and physical properties of toys. It includes specific requirements for toys intended for children under 36 months and for toys for children under 10 months. It also specifies requirements for packaging, marking and labelling. The standard applies to toys for

children, the toys being any product or material designed or clearly intended for use in play by children of less than 14 years of age. This standard does not cover electrical safety aspects of toys.

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## 97.220.10 Spordirajatised

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### Sports facilities

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#### UUED STANDARDID

**EVS-EN 12228:2002**

Hind 92,00

Identne EN 12228:2002

#### **Surfaces for sports areas - Determination of joint strength of synthetic surfaces**

This European Standard specifies methods for determination of joint strength of synthetic sports surfaces. Two procedures are described, one for butt joints and overlapped adhesive joints in which a direct force is applied and one for reinforced butt joints in which a peel force is applied.

**EVS-EN 12234:2002**

Hind 83,00

Identne EN 12234:2002

#### **Surfaces for sports areas - Determination of ball roll behaviour**

This European Standard specifies a method for determination of the rolling behaviour of a ball on a sports surface.

#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 27655

Tähtaeg: 2003-01-01

Identne prEN 12230:2002

#### **Surfaces for sports areas - Determination of tensile properties of synthetic sports surfaces**

This European Standard specifies a method for the determination of the tensile properties of materials used as surfaces for sports areas. It is applicable to elastomeric materials which are used as the upper wearing layer of such areas, and to elastomeric materials used as underlayers in composite sports surfacing systems. It is applicable both to prefabricated sheet materials and to materials formed by casting of liquid systems cured in-situ

prEVS 27784

Tähtaeg: 2003-01-01

Identne prEN 12231:2002

#### **Surfaces for sports areas - Determination of ground cover of natural turf**

This European Standard specifies three methods for the determination of ground cover of natural turf sports surfaces

prEVS 27785

Tähtaeg: 2003-01-01

Identne prEN 12232:2002

#### **Surfaces for sports areas - Determination of thatch depth of natural turf**

This European Standard specifies a method for determination of thatch depth of natural turf sports surfaces.

prEVS 27787

Tähtaeg: 2003-01-01

Identne prEN 12233:1995

#### **Surfaces for sports areas - Determination of sward height of natural turf**

This European Standard specifies a method for determination of sward height of natural turf sports surfaces. This method is not suitable for areas having ground cover, measured in accordance with prEN 12231, of less than 50 %, because compression of the grass is likely to be accentuated and unrepresentatively low values could be obtained

prEVS 31079

Tähtaeg: 2003-01-01

Identne prEN 12616:2002

#### **Surfaces for sports areas - Determination of water infiltration rate**

This European Standard specifies three methods for the determination of water infiltration rate. Method A is suitable for synthetic, textile, synthetic turf and bound mineral sports surfaces, Method B is suitable for natural turf and Method C is suitable for unbound mineral sports surfaces

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## 97.220.30 Spordisaali varustus

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### Indoor sports equipment

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#### **KAVANDITE ARVAMUSKÜSITLUS**

prEVS 54237

Tähtaeg: 2003-01-01

Identne prEN 916:2002

#### **Võimlemisvarustus.**

**Saltovarustus. Funktsionaalsed  
ja ohutusnõuded,  
katsemeetodid**

This standard specifies functional requirements and specific safety requirements for rectangular vaulting boxes with individual box-sections and padded top box; rectangular mini vaulting box with padded top; pyramidal vaulting box with individual box-sections and padded top box; padded vaulting tables with supported frame; vaulting box or table with any other design which fulfills the safety requirements of this standard and dimensions of padded top surface. prEVS 54384

Tähtaeg: 2003-01-01

Identne prEN 12196:2002

**Võimlemisriistad. Hobused ja kitsed. Funktsionaalsed ja ohutusnõuded, katsemeetodid**

This standard specifies functional requirements and specific safety requirements for horses and bucks in addition to the general safety requirements

**97.220.40**

**Välis- ja veespordi tarbed**

Outdoor and water sports equipment

**KAVANDITE**

**ARVAMUSKÜSITLUS**

prEVS 54022

Tähtaeg: 2003-01-01

Identne prEN 13138-2:2002

**Buoyant aids for swimming instruction - Part 2: Safety requirements and test methods for buoyant aids to be held**

This European Standard specifies safety requirements for construction, performance, sizing and marking for swimming aids intended to assist users with movement through the water in the early stages of water awareness, whilst learning to swim or whilst learning part of a swimming stroke. It also gives methods of test for verification of these requirements

prEVS 54266

Tähtaeg: 2003-01-01

Identne prEN 14225-1:2002

**Diving suits - Part 1: Wet suits, requirements and test methods**

This European Standard specifies minimum requirements for the construction, performance, safety, test methods, marking, labelling, user s instructions, information prior to purchase of wet suits for underwater activities where the user is breathing underwater

prEVS 54341

Tähtaeg: 2003-01-01

Identne prEN 14225-2:2002

**Diving suits - Part 2: Dry suits, requirements and test methods**

This European Standard specifies the minimum requirements for the construction, performance, safety, test methods, marking, labelling, user s instructions, and information prior to purchase information of a dry suit for underwater activities where the user is breathing underwater

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