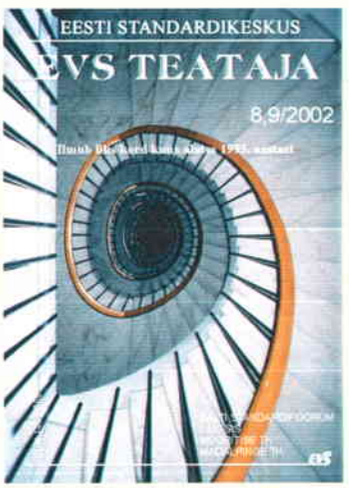
# EESTI STANDARDIKESKUS

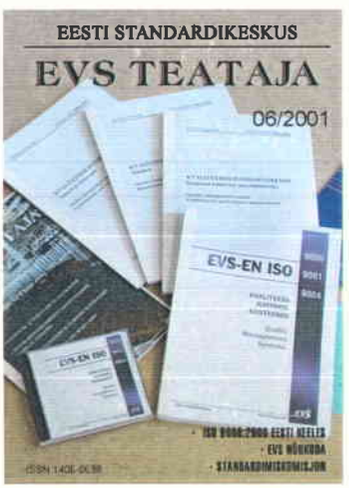
# EVS TEATAJA

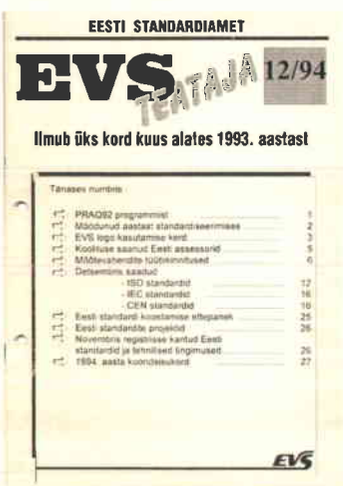
01/2003

Ilmub üks kord kuus alates 1993. aastast

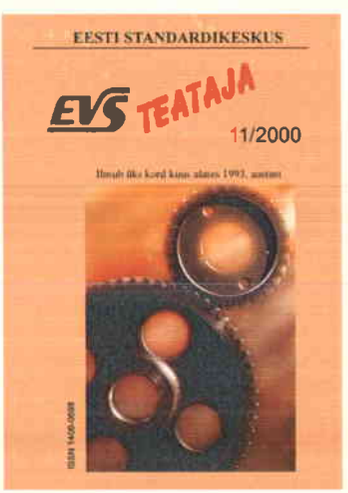








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10 AASTAT EVS TEATAJAT
EVS KOOLITUS 2003
PALJU UUSI STANDARDEID
KOONDSISUKORD 2002

# EVS Teataja

EESTI STANDARDIKESKUSE
igakuine ametlik väljaanne

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**Trükk: Eesti Standardikeskus**

# EESTI UUDISED

**11. detsembril toimus Standardikeskuses seminar "Sissejuhatus terminoloogiasse".** Teema äratas väga laialdast huvi, meie koolitussaal oli viimase kohani täidetud ja osa soovijaid jäi kahjuks ukse taha. Lektor Arvi Tavast andis ülevaate terminoloogia olemusest, eesti terminimoodustusest ja terminoloogia töömeetoditest. Iga teema lõpus vastas lektor arvukatele küsimustele. Loodame terminiseminaridele jätku järgmisel aastal.

**Standardikeskuse juhatus on täies koosseisus uuenenud**
Juhatuse esimees on Kaubandus -Tööstuskoja peadirektor Siim Raie, liikmed Majandus- ja kommunikatsiooniministeeriumi tööstusosakonna juhataja Merike Kompus ning Tööandjate Keskliidu esindajana Eesti Rõiva- ja Tekstiililiidu tegevdirektor Maie Vader.

MASINA OHUTUSE SEADUS RTI, 09.12.2002, 99, 580
**§ 50. Tehnilise normi ja standardi seaduse § 6 muutmine**
Tehnilise normi ja standardi seaduse (RT I 1999, 29, 398; 2000, 29, 169; 78, 495; 2002, 32, 186) § 6 lõige 2 muudetakse ja sõnastatakse järgmiselt:
« (2) Kui harmoneeritud standardi kohta on avaldatud teade (viide) Euroopa Liidu Ametlikus Teatajas ja see on vastu võetud vähemalt ühe Euroopa Liidu liikmesriigi rahvusliku standardina, kui õigusaktist ei tulene teisiti, siis eeldatakse, et sellist standardit järgiv toode või teenus vastab asjakohasele tehnilisele normile.»

Vabariigi Valitsuse 3. detsembri 2002. a määruse nr 367
**Volituste andmine «Ehitusseadusest» ja «Toote ohutuse seadusest» tuleneva õigusakti kehtestamiseks**
RTI, 09.12.2002, 99, 584
**§ 1. Volituste andmine**
Sotsiaalministrit volitatakse kehtestama terviseohutuse nõuded ehitusmaterjalidele ja -toodetele.

Majandus- ja kommunikatsiooniministri 4. detsembri 2002. a määrus nr 20 muudetakse **Majandusministri 29. novembri 2000. a määrust nr 38 «Mõõtevahendite taatlemise kord ja taatluskehtivusajad» muutmine** RTL, 12.12.2002, 137, 2013

Majandus- ja kommunikatsiooniministri 11. detsembri 2002. a määrusega nr 28 kehtestati **Ehitise ekspertiisi tegemise kord**
RTL, 20.12.2002, 143, 2092
**§ 2. Ehitise ekspertiisi lähtealused**
Ehitise ekspertiisi tegemisel lähtutakse
12) ehitise kohta käivatest standarditest;
13) ehitusmaterjalide ja -toodete kohta käivatest standarditest;

Majandus- ja kommunikatsiooniministri 11. detsembri 2002. a määrusega nr 29 kehtestati **Ehitusprojekti ekspertiisi tegemise kord** RTL, 20.12.2002, 143, 2093
**§ 2. Ehitusprojekti ekspertiisi lähtealused**
Ehitusprojekti ekspertiisi tegemisel lähtutakse:
7) ehitusprojektis käsitletud ehitise kohta käivatest standarditest.

# TOIMETAJA VEERG

Käesoleva numbriga alustab EVS Teataja oma 11. aastaringi. 10 aastat oleme vahendanud standardiinfot Eestist, Euroopast ja kogu maailmast.
Ainult oma valdkonna standardite ja veel töös olevate standardikavandite kohta ülevaadet omades on võimalik konkurentsis püsida, seetõttu peaks EVS Teataja olema iga juhi ja spetsialisti töölaual. Kuu algul on teie kasutada kõik värsked standardiuudised eelmise kuu 20. kuupäeva seisuga.
Et veel paremini arvestada Teie soove ja ettepanekuid on selle numbri vahel küsitlusleht, millele palume vastata jaanuarikuu jooksul. Küsitlusele vastamine on anonüümne, kui aga soovite osaleda vastanute vahel auhinna - Eesti standardite loetelu - loosimisel, palume lisada oma kontaktandmed.
Eesti standardite arv, mille kohta infot anname, on kasvanud väga kiiresti ning aasta lõpuks ületas see kümne tuhande piiri. Seisuga 1. jaanuar 2003 oli Eesti standardeid 10266, neist Euroopa standardeid 9982. Aasta lõpus on eriti jõudsalt kasvanud Eesti standardiks üle võetud CLC standardite arv, mis detsembris kahekordistus.
Viimasel ajal on hakatud Euroopas suuremat tähelepanu pöörama ehitusalasele standardimisele. Euroopa ehituskonstruktsioonide TK kahe alamkomitee koosolekul osales ja seal toimunust annab ülevaate Ivar Talvik.

Anne Laimets

15.- 17. jaanuaril 2002 toimub
Saariselkä´s, Soomes
EUROOPA 6.
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# EVS KOOLITUS 2003 AASTAL

2002 aasta oli Eesti Standardikeskusele edukas – koostöös Eesti spetsialistide ja välispartneritega korraldasime 12 seminari, millel kokku osales 301 inimest.

Algaval aastal püüame samuti oma partneritele ja klientidele pakkuda tarvilikke koolitusi, jätkates juba tuttavate ning aktuaalsete teemadega (standardimine ehitussektoris, terminoloogia, Euroopa Liidu ühisturg ja CE märgistus) ning tutvustades uusi teemasid.

Järgnevas tabelis on ära toodud 2003 aastal planeeritavad koolituste ajad, lisainfot leiate alati meie kodulehelt : www.evs.ee

| Kuu | Koolitus |
|---|---|
| Veebruar | Standarditele viitamine õigusaktides<br>ISO 9000 seminar |
| Märts | Infopäev: sissejuhatus standardimisse<br>Standardimine ehitussektoris |
| Aprill | Turvaline töökeskkond – isikukaitsevahendite standardid<br>Elektriohutusnõuete standardid<br>Terminoloogiatöö standardimises (Terminoloogia jätkuseminar) |
| Mai | Standardimine meditsiini valdkonnas<br>TK'de töökorraldus (eeskätt EVS uutele TK-dele) |
| Juuni | Standardimine Euroopas, Ühisturg ja CE märgistus |
| August | Keskkonnahoid - pakendite standardid |
| September | Lühiseminar: Standardiinfo elektroonilised allikad<br>Standardimine toidutööstuse valdkonnas |
| Oktoober | Standardimine ehitussektoris |
| November | Infopäev: sissejuhatus standardimisse<br>Terminoloogiatöö standardimises |
| Detsember | TK töö korraldamine Euroopa standardiorganisatsioonide täisliikme kohustuste – hääletamine ja arvamuse avaldamine, täitmine |

Nimikiri on esialgne, mistõttu võib seminaride toimumisaegades esineda muudatusi!

Kõik kommentaarid ning ettepanekud (seminaride või nende temaatika osas) on väga tere-tulnud e-posti aadressile evelin@evs.ee

# Hea lugeja!

## Head uut, edukat ja teguderohket aastat!

**EVS-il oli raske ja pingeline, kuid tulemuslik aasta.**
**Aasta kokkuvõtete tegemine veel käib, kuid juba praegu võib öelda, et tulemused olid head.**
Kui eelmist aastat võib nimetada teadlikkuse suurendamise aastaks, siis algavat aastat võiks nimetada turunduse ja arendustegevuse aastaks. Suurenev Eesti standardite arv, mis on selle aasta alguseks ületanud 10 tuhande piiri ja nõudlus standardite elektroonilise levitamise järele sunnivad meid arendama oma müügi- ja turundustegevusi, et vastata klientide nõudmistele.

Teisalt nõuab ka ühinemine Euroopa standardimissüsteemiga senisest aktiivsemat arendustegevust. Euroopas kasutusele võetud uute standardilaadsete dokumentide (TS, TR, CWA jt) senine kasutamine ei ole laialdane, kuid trendid nende kasutamiseks on positiivsed. Eeldatavalt selle aasta sügisest on Eesti standardimine liitunud Euroopa standardimisega ja siis saame pakkuda EVS tehniliste komiteede liikmetele võimalust võrdsete partneritena kaasa rääkida Euroopa standardite koostamisel.

Eelmise aasta jooksul toimus tehniliste komiteede arvu hüppeline suurenemine. Aasta jooksul registreerisime 8 uue tehnilise komitee asutamise.

Sõlmisime 3 uut koostöölepingut.

Avaldasime esimesed ehitusvaldkonna projekti raames koostatud standardid.

Korraldasime 12 standardimisalast seminari, millel kokku osales 301 inimest.

Kogu standardimisalane info muutus palju kättesaadavamaks seoses meie uue kodulehe kasutuselevõtuga. Veebilehe külastusi oli eelmisel aastal 59353, ca 200 külastust päevas, mis on ligi seitse korda suurem kui 2001. aastal.

Möödunud aasta ei oleks saanud olla edukas ilma meie koostööpartnerite, klientide ning riigi ja juhatuse toetuseta standardimisele.

Standardikeskuse tuleviku arengute seisukohalt saavad oluliseks pikemaajaliste mõjudega otsuste langetamised Eesti standardimispoliitika osas, nii riiklikul kui ka organisatsioonitasandil.

**Aitäh kõikidele kes osalesid standardimises või aitasid meie tegemistele kaasa! Ees ootab uus ja murranguline aasta.**

**Jõudu ja jaksu ning edukat standardimisaastat!**

**Sven Kasemaa**
EVS tegevdirektor

# 10 AASTAT EVS TEATAJAT

Standardiajakirjade avaldamine on üks vanimatest ja eelistatumatest kommunikatsioonivahenditest andmaks infot standarditest, standardimisest ja sellega seotud tegevustest. Viimastel aastatel on küll standardiinfo levitamisel nende kõrval koha sisse võtnud tunduvalt operatiivsemad veebilehed, ent on palju neid, kes tahavad saada infot paberkandjal.
Mitmed standardiorganisatsioonid Euroopas (nt SIS, NSF) on mingil perioodil lõpetanud standardiajakirjade väljaandmise, ent mõne aasta möödudes on nende ilmumine taastatud. Soomlased on alati rõhutanud ajakirja ilmumise jäerjepidevuse tähtsust.
EVS väljaanne, nagu ka standardimine Eestis on võrreldes teiste Euroopa riikidega veel noor, EVS Teatajal täitus kümnes ilmumisaasta.
Esimesed kaks EVS Teataja nn proovinumbrit ilmusid 1992. a lõpus. Regulaarset ilmumist tellimuste alusel alustas Teataja 1993. aastast. Esimesed numbrid olid üpris kõhnukesed - 10 - 15 lk ja andsid infot uue, alles tegutsema hakanud Standardiameti tegevuse kohta. Erilise tähelepanu all oli üleminek kohustuslikult GOST süsteemilt vabatahtliku standardimise süsteemile, mis oli uudne kogu ühiskonnale ja paljudele ka raskesti mõistetav. Kuidas nii, et polegi enam kohustuslikud, siis ei hakka ju keegi neid kasutama - oldi segaduses. Just uue süsteemi selgitamisel oli uuest standardibülletäänist, mis algul ajakirja mõõtu veel välja ei andnud, palju kasu. See oli ju ainuke sellealane infoallikas.

Informatsiooni hulk hakkas väga kiiresti kasvama. Tuli hakata selekteerima infot, mis võiks lugejatele huvi pakkuda. Saades 1993. aasta jaanuarist ISO kirjavahetajaliikmeks ja CEN liitunud liikmeks alates maist 1994, hakkasime vahendama infot rahvusvahelise ja Euroopa standardimise kohta.

Tehnilise normi ja standardi seadusega on Standardikeskusel kohustus oma väljaandes avaldada infot uute standardite, arvamusküsitlusele pandud standardikavandite, harmoneeritud standardite ja WTO teatiste kohta. Seega on suures osas Teataja praegune sisu juba seadusega paika pandud. Lisaks avaldame standardimisalaseid uudiseid nii Eestist, ISO-st kui ka CEN-ist. Ajakiri on horisontaalse suunitlusega - püüame pakkuda igaühele midagi, seetõttu ei saa eri sektorites minna väga spetsiifiliseks.

Meie ajakirja tellijate arv on aastate jooksul kord kasvanud, kord kahanenud, aga on rida tellijaid, kes on jäänud meiega algusest saadik. Need on organisatsioonid, kes on aru saanud, et omamata infot oma valdkonna standardite kohta, on väga raske püsida turul konkurentsivõimelisena. Ja mitte ainult standardite, vaid ka standardikavandite kohta, et juba varakult kursis olla oma valdkonnas koostamisel olevate standarditega, et standardi ilmumisel saaks seda kohe rakendada.
Kui vaadata tagasi EVS Teataja algusaega, meenub, et tollases Standardiametis oli vaid üks arvuti. Selle kasutamiseks tuli aeg eelnevalt kinni panna ning tööks eraldati vaid paar tundi. Arvuti oli ilma hiireta, kõik käsklused tuli anda klahvide kombinatsioonidena. Tollal tundus, et need küll iialgi pähe ei jää. Õnneks muutus kõik väga kiiresti, saime arvuteid juurde, nende kasutamine muutus ka tunduvalt lihtsamaks. Ajakirja tegemisel saime algusaastatel palju abi ja nõu rootsi ja soome kolleegidelt ning igaaastaselt CEN PR ümarlaualt.
Esimestel ilmumisaastatel oli suurem rõhk pandud rahvusvahelistele standarditele. Avaldasime iga kuu EVS raamatukokku saabunud ISO standardite loetelu.
Seoses standardimise kiire arenguga Euroopas ja vajadusega rohkem arvestada Euroopa nõudmistega sõltuvalt eelseisvast võimalikust liitumisest Euroopa Liiduga, tuli ümber orienteeruda.
Teatavasti on EL liikmekssaamise üheks eeltingimuseks CEN täisliikme staatus, mis eeldab vähemalt 80 % Euroopa standardite ülevõtmist rahvusstandarditeks.

Ajakirja trükiti 7 aastat väljaspool EVS-i.
EVS Teataja jaoks oli murranguline 1999. aasta, kui saime omale Print on Demand süsteemi ja hakkasime ajakirja algusest lõpuni tegema oma majas. 1999. a oktoobrinumbrist alates on Teataja ilmunud värvitrükis kaane ja fotodega.
1999. a viimases numbris ilmus uute standardite ja arvamusküsitluse loetelu juba praegusel kujul. See sai võimalikuks tänu standardite andmebaasi OASE rakendamisele. Oleks olnud mõeldamatu tohutu kiirusega kasvava

standardite massiivi käsitlemine ilma andmebaasita. Kuni selle ajani olime kõik need loetelud käsitsi sisse trükkinud.
Mitme aasta vältel oli populaarne rubriik "Kus käidud, mida nähtud". PRAQIII raames käisid mitmed tehniliste komiteede spetsialistid Euroopa ja ISO tehniliste komiteede koosolekutel ja jagasid seal saadud kogemusi ja muljeid ka teistega. Vahepeal on TK spetsialistide osavõtt CEN ja ISO tehniliste komiteede koosolekutest olnud episoodiline või hoopis soikunud, sest selleks puudusid rahalised vahendid. Loodame, et see probleem leiab lahenduse ja vastav rubriik meie ajakirjas muutub edaspidi mahukamaks.

Kuna Standardiamet tegeles standardimise kõrval ka metroloogia ning akrediteerimisega, leidsid ka need valdkonnad meie väljaande veergudel käsitlemist. Kuigi Standardikeskuse tegevusvaldkonda need alad enam ei kuulu, ei ole me oma lehekülgi ka nende teemade ees sulgenud. Kuuluvad ju metroloogia ja akrediteerimine nii nagu ka vastavushindamine standardimise kõrval kvaliteedi infrastruktuuri.
Muidugi võiks ajakiri olla parema kujundusega. Professionaalse kujunduse ja mitmevärvitrüki võiks tellida väljastpoolt, mis aga teeks ajakirja palju kallimaks ja ettevalmistusperioodi pikemaks. Seetõttu kannataks ka info operatiivsus. Prioriteediks oleme pidanud EVS Teataja tegemist võimalikult operatiivse ja odavana, et kellelgi ei jääks raha pärast tellimus vormistamata. Oma eesmärgiks oleme seadnud, et iga kuu 20. kuupäeva materjalid oleks juba järgmise kuu algul lugeja laual.

Alates 2001. a maikuust on võimalik saada EVS Teatajat ka elektrooniliselt.

Oleme tänulikud kõigile, kes on nende pikkade aastate jooksul meile koostööd teinud ja loodame teie veel aktiivsemat kaasalöömist tulevikus. Ootame teilt artikleid, kommentaare ja uudiseid. Standardite üha laiem rakendamine leiab kindlasti edaspidi käsitlemist ka meie ajakirjas.
Oleme teinud paar küsitlust, kuidas lugejad EVS Teatajaga rahul on olnud. Esimene küsitlus oli mõned aastad peale Teataja ilmumahakkamist. Küsitluse tulemused olid positiivsed, nii saime teada, et oleme õigel teel ja avaldame lugejaile vajalikku infot. Teine küsitlus toimus 1997. a standardimise olukorra kohta Eestis, kus ühe küsimusena oli ka hinnang EVS Teatajale ja seal avaldatavale infole. EVS Teatajat peeti selle küsitluse põhjal põhiliseks teabeallikaks standardimise kohta.
Teada saamaks tänaste lugejate arvamusi ja eelistusi on selle numbri vahel väike küsitlusleht, mille tulemuste põhjal saame teada, mida te Teatajalt ootate ning teie ettepanekuid ja arvamusi arvesse võttes teha plaane edaspidiseks.

**Anne Laimets**
EVS Teataja toimetaja

# KUS KÄIDUD, MIDA NÄHTUD

## TERASKONSTRUKTSIOONIDE STANDARDIMINE EUROOPAS

28.11.02 pidas Brüsselis järjekordse töökoosoleku CEN-i teraskonstruktsioonide projekteerimise standardeid käsitlev alamkomitee CEN/TC250/SC3.
Kohal oli üle 40 inimese, esindatud olid CEN-i täisliikmetest Austria, Hispaania, Holland, Iirimaa, Island, Itaalia, Luksemburg, Norra, Prantsusmaa, Rootsi, Saksamaa, Soome, Suurbritannia, Taani, Tšehhi. Assotsieerunud liikmetest Poola, Slovakkia ja esmakordselt Eesti.

Koosolekut juhtis alamkomitee esimees professor Frans Bijlaard Hollandist.
Algselt kahele päevale planeeritud koosoleku päevakord õnnestus läbida juba esimese päeva õhtuks. Raske on hinnata, kas tegemist oli ootamatult efektiivse tööga koosolekul või ebatäpselt planeeritud ajakavaga.
Kõigepealt anti ülevaade standardikavandite prEN1993-1-1 (üldosa ja hoonete teraskonstruktsioonid), prEN1993-1-8 (teraskonstruktsioonide liited), prEN1993-1-9 (väsimus),

prEN1993-1-10 (materjali paksusest tulenevad terase omadused) hetkeseisust.

Need peaksid jõudma läbida ülevaatusperioodi ning olema valmis lõplikuks ametlikuks hääletamiseks aprilli lõpuks 2003 a. Tõdeti, et osad 1-8, 1-9 ja 1-10 on lõplikult valmis, probleeme on osaga 1-1, mille valmimise taga viibivad ka komposiitkonstruktsioone käsitlevad standardid alamkomitees SC4, sest nendes on palju viiteid teraskonstruktsiooni standardikavandi punktidele. Nii nagu paljude standardikavandite puhul, on ka alamkomiteel SC3 ette näha probleeme tõlkega, sest kohati ei ole võimalik algsele ingliskeelsele sõnastusele leida adekvaatset vastet saksa või prantsuse keeles. Aprilli lõpuks planeeritud lõpphääletus ajaks peaksid aga dokumendid kõigis kolmes keeles valmis olema.

Töögruppide esindajad andsid ülevaate terve rea teraskonstruktsioonide projekteerimist käsitlevate standardikavandite ettevalmistamise olukorrast: prEN1993-1-3 (külmpainutatud profiilid), prEN1993-1-5 (omas tasapinnas koormatud plaadid), prEN1993-1-11 (trossid), prEN1993-1-4 (roostevabast terasest konstruktsioonid), prEN1993-7-1 (tornid, mastid), prEN1993-7-2 (korstnad), prEN1993-1-6 (koorikud), prEN1993-4-1 (silod), prEN1993-4-2 (reservuaarid), prEN 1993-5 (terasvaiad). Arutati rahvuslike delegatsioonide poolt esitatud märkusi ja kommentaare, mille alusel valmistatakse 2003.a. mais toimuvaks koosolekuks ette uued versioonid.

Kõne all oli ka rahvuslike lisade koostamine teraskonstruktsioone käsitlevatele standarditele. Komitee liikmeteni olid jõudnud esimesed rahvuslike lisade versioonid Soomest ja Suurbritanniast. Tehti ettepanek püüda rahvuslike lisade ülesehitust ja rahvuslikult määratavaid parameetreid eri riikide vahel võimalikult ühtlustada.

16.12.02 toimus Brüsselis CEN-i terasest ja betoonist komposiitkonstruktsioonide projekteerimise standardeid käsitleva alamkomitee CEN/TC250/SC4 koosolek. Osavõtjaid oli 26, esindatud olid CEN-i täisliikmetest Hispaania, Holland, Iirimaa, Itaalia, Kreeka, Luksemburg, Prantsusmaa, Rootsi, Saksamaa, Soome, Suurbritannia, Tšehhi. Assotsieerunud liikmetest Eesti esmakordselt.

Koosolekut juhatas Professor J. Stark Hollandist.

Kõigepealt arutati olukorda prEN1994-1-1 (üldosa ja hoonete komposiitkonstruktsioonid) tähtaegade ja tõlke organiseerimisega. See standardikavand on viidete kaudu tihedalt seotud nii raudbetoon- kui teraskonstruktsioonide vastavate osadega, mille inglisekeelsed tekstid ei ole veel komposiitkonstruktsioonide töörühmani jõudnud. Samas on tehnilise komitee CEN/TC 250 soov viia kõiki kolme konstruktsioonitüüpi puudutavad standardikavandid üheaegselt formaalsele hääletusele aprillis 2003.a.

Koosolekul osalesid ka Euroopa Komisjoni esindaja Pascal Bar ning CEN-i esindaja Johan Van Tiel. P. Bar tutvustas Euroopa Komisjoni seisukohti ehitustoodete standardiseerimise alal. J. Van Tiel-ga arutati standardikavandite ettevalmistamise ajagraafiku muutmist, praegu on ametlikult CEN-i poolt levitatud dokumentides ebareaalsed tähtajad.

Ülejäänud osa tööpäevast kulus alamkomitee liikmetel põhiliselt prEN1994-1-2 (komposiitkonstruktsioonid tulekahjuolukorras) üksikasjaliseks läbivaatamiseks ja redigeerimiseks. Ettekandjaks oli kavandi koostaja professor J.-B. Schleich Luksemburgist. Lisaks üksikute sisuliste punktide arutelule oli mitmeid märkusi tähiste ja vormistuse kohta, mis lõppvariandis peaksid olema ühtlustatud teras-, raudbetoon- ja komposiitkonstruktsioonide standardite vahel. Komitee planeerib tulekahjuolukorra standardikavandi mitteametlikku hääletust 2003.a. maikuusse ning lõplikku ametlikku hääletust septembrisse.

Lühidalt käsitleti ka prEN1994-2 (komposiitsillad) ettevalmistamist. Moodustati redaktsioonitoimkond lõpliku kavandi koostamiseks.

Veel oli jutuks infovahetuse arendamine. Edaspidi peaks suurem osa informatsioonist liikuma interneti vahendusel CEN-i poolt selleks loodud keskkonnas.

Kahtlemata on Eestil kasulik võimaluse korral saata oma esindajaid tehniliste komiteede koosolekutele. Kohal olles saadud kogemus andis ettekujutuse Euroopa standardite

ettevalmistamisprotsessi olemusest ning ka sellega paratamatult kaasnevatest probleemidest. Loodud kontaktide abil peaks edaspidi olema tagatud jooksva informatsiooni ning ettevalmistamisel olevate dokumentide jõudmine Eestisse võimalikult kiiresti ning see aitab kaasa Eesti vastavate standardite ja rahvuslike lisade koostamisele.

**Ivar Talvik**
TTÜ Ehitusprojekteerimise Instituudi teraskonstruktsioonide õppetooli dotsent

# DETSEMBRIKUU STANDARDID

**EVS-EN 1990:2002 Eurokoodeks. Ehituskonstruktsioonide projekteerimise alused**

EN 1990 kehtestab põhimõtted ja nõuded konstruktsioonide ohutusele, kasutuskõlblikkusele ja kestvusele, kirjeldab nende projekteerimise ja kontrolli aluseid ning annab juhised konstruktsioonide töökindluse kohta.
EN 1990 on ette nähtud kasutamiseks koos EN 1991 kuni EN 1999-ga hoonete ja rajatiste konstruktsioonide projekteerimisel, hõlmates ka geotehnika aspekte, ehituslikku tuleohutust ning maavärina, ehitamise ja ajutiste konstruktsioonidega kaasnevaid olukordi.
EN 1990 on kasutatav ka selliste konstruktsioonide projekteerimisel, mille materjalid ja koormused ei kuulu standarditega EN 1991 kuni EN 1999 haaratud valdkonda.
EN 1990 on kasutatav ka olemasolevate konstruktsioonide ehituslikuks hindamiseks remondi ja rekonstruktsiooni projekteerimisel või kasutusotstarbe muutmisel.

**EVS-EN 1991-1-1 Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-1: Üldkoormused. Mahukaalud, omakaalud, hoonete kasuskoormused**

EN 1991-1-1 annab hoonete ja rajatiste konstruktsioonide projekteerimiseks juhised ja koormused, kaasa arvatud mõningad geotehnilised aspektid: ehitusmaterjalide ja ladustatud materjalide mahukaalud; ehitise omakaal; hoone kasuskoormused.
Peatükk 4 ja lisa A annavad eri ehitusmaterjalide, täiendavate sillamaterjalide ja ladustatud materjalide mahukaalude nimiväärtused. Lisaks on antud eri materjalide varisemisnurk.
Peatükk 5 annab meetodid ehitiste omakaalu normväärtuse määramiseks.
Peatükk 6 annab vahelagede ja katuste kasutusklassile vastavate kasuskoormuste normväärtused järgmiste pindade kohta hoonetes: elamis-, ühiskondlik-, äri- ja halduspinnad; garaažid ja sõidukite liikluspinnad; lao- ja tootmispinnad; katused; helikopterite maandumispinnad.
Peatükis 6 toodud liikluspindade koormused kehtivad kuni 160 kN täiskaaluga sõidukite kohta. Üle 160 kN täiskaaluga raskete sõidukite liikluspindade projekteerimine vajab vastava ametkonna kooskõlastust. Täiendavat teavet võib saada EN 1991-2 -st.
Horisontaaljõud piirdele ja piirde otstarvet täitvale seinale on antud peatükis 6. Lisa B annab täiendavaid juhiseid autoparklate piirete kohta.
Silos ja mahutis vee või muu materjali põhjustatud arvutusolukordade ja koormuse kohta vt EN 1991-3.

**EVS-EN 335-1:2002 Puidu ja puitmaterjalide vastupidavus. Bioloogiliste ohuklasside määratlus. Osa 1: Üldsätted**

See EN 335 osa määratleb viis ohuklassi, mis võivad puidu ja puidupõhiste toodete mitmesuguste kasutusolukordade puhul esineda. Ühtlasi osutab see osa olulistele bioloogilistele mõjuritele igas olukorras.
Lisa A annab teavet nende bioloogiliste mõjurite kohta.

**EVS-EN 335-2:2002 Puidu ja puitmaterjalide vastupidavus. Bioloogiliste ohuklasside määratlus. Osa 2: Rakendus täispuidule**

See EN 335 osa 2 annab juhised EN 335 osas 1 määratletud ohuklasside rakenduseks täispuidule sõltuvalt bioloogilistest mõjuritest, mis ohustavad täispuitu. Seda osa tuleb kasutada koos EN 335 osaga 1.

Lisa A annab teavet ja juhiseid kasutajale vastava ohuklassi ja sobiva vastupidavuse taseme (kas loodusliku või kaitsevahenditega töötlemisel saavutatu) määramiseks.

**EVS-EN 335-3:2002 Puidu ja puitmaterjalide vastupidavus. Bioloogiliste ohuklasside määratlus. Osa 3: Rakendus puitplaatidele**

See EN 335 osa annab juhised EN 335 osas 1 määratletud ohuklasside süsteemi rakendamiseks puitplaatidele: vineerile, puitlaastplaatidele, orienteeritud laastuga plaatidele, kiudplaatidele, tsementsideainega puitlaastplaatidele ainult bioloogiliste mõjurite korral, mille mõju kestus on küllaldane nende kahjustamiseks. Seda standardi osa tuleb kasutada koos EN 335 osaga 1. Lisa A annab täiendavaid juhiseid puitplaatide kasutuse ja sobivuse, kaitsetöötluse ja/või viimistluse kohta antud ohuklassi korral.

**EVS-EN 384:2002 Ehituspuit. Mehaaniliste omaduste ja tiheduse normväärtuste määramine**

See standard annab meetodi mehaaniliste omaduste ja tiheduse normväärtuste määramiseks puidukogumi visuaalse ja/või masinsortimisega määratud tugevussortide puhul.
Samuti on antud meetod puiduproovi määratud tugevusväärtuse kontrolliks.
Käesoleva standardi alusel määratud mehaaniliste omaduste ja tiheduse väärtused on sobivad sortide ja liikide paigutamiseks standardi EN 338 tugevusklassidesse.

**EVS-EN 408:2002 Puitkonstruktsioonid. Ehituspuit ja liimpuit. Mõnede füüsikaliste ja mehaaniliste omaduste määramine**

See standard spetsifitseerib meetodid ehituspuidu ja liimpuidu järgmiste omaduste määramiseks: paindeelastsusmoodul, paindetugevus, tõmbeelastsusmoodul puidukiuga paralleelsel tõmbel, tõmbetugevus puidukiuga paralleelsel tõmbel, surveelastsusmoodul puidukiuga paralleelsel survel, survetugevus puidukiuga paralleelsel survel.
Lisaks on kirjeldatud mõõtmete, niiskussisalduse ja tiheduse määramist.
Meetodid on rakendatavad täisnurkse ja ringikujulise (oluliselt konstantse) ristlõikega mitteliidetud monoliitse või hammasliidetega ja liimitud lamellpuidu kohta.
See standard ei ole mõeldud kvaliteedikontrolli katseteks.

**EVS-EN 13402-1:2002 Rõivaste suurustähistus. Osa 1: Terminid, määratlused ja mõõduvõtmine (modifitseeritud ISO 3635:1981)**

Käesolev Euroopa standard määratleb kehamõõtmed rõivastele, määrab kindlaks menetluse keha mõõtmiseks ja esitab piktogrammid, mida tuleb kasutada rõivaetikettidel.

**EVS-EN 13402-2:2002 Rõivaste suurustähistus. Osa 2: Suurustunnused ja abimõõtmed.**

Käesolev Euroopa standard määrab kindlaks suurustunnused ja abimõõtmed kindlaksmääratud rõivaliikidele, mida tuleb kasutada koos standardiga EN 13402-1.
Käesoleva Euroopa standardi põhieesmärgiks on suurustähistuse süsteemi kehtestamine, mida tootjad ja jaemüüjad saavad kasutada näitamaks tarbijale (lihtsal, konkreetsel ja arusaadaval viisil) selle isiku kehamõõtmed, kellele rõivas suuruse poolest sobib. Kui isiku kehasuurus (kindlaksmääratud mõõtmete abil esitatud) on määratud vastavalt standardile EN 13402-1, hõlbustab see tähistussüsteem suuruse poolest sobiva rõiva valikut.
Suurustähistuse süsteem põhineb kehamõõtmetel, aga mitte rõivamõõtmetel. Rõivamõõtmete valiku määravad tavaliselt disainer ja tootja, kes koostavad asjakohased lisad arvestamaks rõiva liigi, kandmisala, stiili, lõike ja moe-elementidega.

**EVS 809-1:2002 Kuritegevuse ennetamine. Linnaplaneerimine ja arhitektuur. Osa 1: Linnaplaneerimine**

Antud standard toob ära erinevaid kuriteo riski ja/või kuriteohirmu hindamise meetodeid ning nende riskide vähendamise vahendeid, menetlusi ja tegevuskavu.
Projekteerimisjuhendid erinevate kuriteoprobleemide ennetamiseks või nende vastu võitlemiseks on esitatud elukeskkonna tüüpide kaupa. Esitatud on ka järjepidevad tegevuskavad kõikide linnaplaneerimise ja kuritegevuse ennetamisega seotud osapoolte ning teiste, peamiselt piirkondliku ja kohaliku võimu esindajad ja elanikud, kaasamiseks ametkondadevahelisse kuritegevuse ennetamise ja kuritegevuse hirmu vähendamise tegevusse.

Käesolev standard on mõeldud kasutamiseks nii rajatavates kui ka juba olemasolevates linnapiirkondades. Piirkonnaks võib olla mõnest majast või tänavast koosnev naabruskond või keskkond ning ka linnakeskus, tööstuslik- või suurem üldkasutatav maa-ala.

**EVS 812-1:2002 Ehitiste tuleohutus. Osa 1: Sõnavara**
Standard sätestab ehitusliku tuleohutuse mõisted.

**EVS 812-2:2002 Ehitiste tuleohutus. Osa 2: Ventilatsioonisüsteemid ja suitsueemaldus**
Standard sätestab tuleohutusnõuded ehitiste ventilatsiooni- ja suitsueemaldussüsteemide projekteerimisele, ehitamisele ja ekspluatatsioonile.

**EVS 812-3:2002 Ehitiste tuleohutus. Osa 3: Küttesüsteemid**
Standard käsitleb ehitiste kütmiseks, auru tootmiseks ja kütuse hoidmiseks ettenähtud ruumide ja seadmete tuleohutust.

**EVS 832-1:2002 Teras betooni sarrustamiseks - Keevitatav sarrastusteras. Osa 1: Üldised nõuded**
Käesolev Eesti standard määrab kindlaks üldised nõuded betoonkonstruktsioonide sarrustamisel kasutatavale keevitatavale sarrusterasele kolmes venivusklassis A, B ja C, mida tarnitakse: varraste ja vihtidena (valtstraat, traat) ning mida saab vahetult või materjalina keevisvõrkude või sarruskarkasside valmistamisel kasutada; tehases valmistatud masinkeevisvõrkudena; sarruskarkassidena ja mille läbimõõt on standardikavandites prEN 10080-2 kuni -5 kindlaks määratud piirides.
Käesolev Eesti standard ei rakendu: mittekeevitatavale sarrusterasele; galvaniseeritud sarrusterasele; epoksükattega sarrusterasele; korrosioonikindlale sarrusterasele; pingestusterasele (vt prEN 10138).

**EVS 833-1:2002 Pingestusterased. Osa 1: Üldised nõuded.** Hind 117.-
Käesolev Eesti standard määrab kindlaks üldised nõuded kõrge tõmbetugevusega terasest toodetele, mida kasutatakse laialdaselt betooni eelpingestamisel ja ka teiste ehitusvaldkondade tõmbeelementides, nagu pinnas-ankrud, tõsteseadmed, sildade kande- ja ankurdustrossid. Käesolev standard rakendub ainult neile toodetele, mille seisund on sama, kui see oli valmistaja poolt tarnimisel.
Üksikutele pingestusterase liikidele esitatavad erinõuded on antud standardikavandites prEN 10138-2, -3 ja -4.

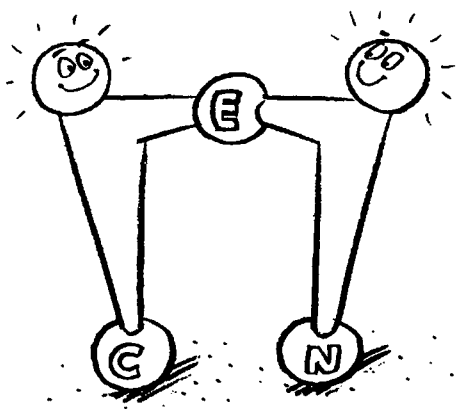
**EVS-ES 201168:2002 Kõnetöötlus, edastuse ja kvaliteedi aspektid. Digitaalsete PABXde edastuskarakteristikud ühendusteks privaatvõrkudesse, avalikesse kommuteeritavatesse võrkudesse või IP-lüüsidesse**
See dokument kirjeldab edastusnõudeid digitaalsetele PABXdele (vahendusjaam, kodukeskjaam, *Private Branch eXchange, PBX*) (läbiva ühendusega telekommunikatsiooni seadmetele), mis: ei ole avaliku võrgu osaks; on ette nähtud ühendusteks avalikesse kommuteeritavatesse võrkudesse, privaatvõrkudesse (näiteks korporatiivsetesse võrkudesse) või IP-lüüsidele; kannavad 3,1 kHz ribalaiusega telefonisignaali analoogliideste vahel; kannavad A-kõveraga kodeeritud signaale kiirusega 64 kbit/s digitaalliideste vahel ja ühendavad torutelefonide (juhtmega või juhtmeta) akustilisi liideseid, mis on konstrueeritud kasutamiseks PABXides hõlmates digitaalse pääsu avalikku kommuteeritavasse võrku; on võimelised testimise eesmärkidel tekitama testipunkti, mis väljastab edastusteele bitiviklikku signaali kiirusega 64 kbit/s (toodangus olevates PABXides ei pea selle testipunki tekitamine olema võimalik); kannavad 3,1 kHz telefonisignaali *(3,1 kHz voice telephony)*, hoolimata sellest, kas nad kannavad lisaks ka teisi teenuseid.
Arvestades viimase aja väljatöötlusi, tuleb selgesti aru saada, et seda dokumenti võidakse rakendada mitte ainult traditsiooniliste PABXde tüüpidele, vaid pigem igale funktsionaalüksusele, mis toimib nagu PABX eespool nimetatud tingimustel.

See standard ei kehti: vabakäelistele ja valjuhäälsetele telefonidele; süsteemispetsiifiliste telefonide ja PABXi vahelistele liidestele (välja arvatud akustilised liidesed, nagu nenditud ülalpool), sõltumata sellest, kas need liidesed on juhtmega või juhtmeta.

# KVALITEET

**Juhtimissüsteemide standardite sarjas on ilmunud Briti infoturbe standardi teise osa uustöötlus.**
BS 7799-2:2002 Information Security Management. Specification for information cecurity management system standards such as BS EN ISO 9001 and BS EN ISO 14001.
Seoses kvaliteedijuhtimissüsteemide standardite ilmumisega asendab BS 7799-2:2002 1999. a väljaande. Mida siis tähele panna uues versioonis

- PDCA mudel (Plaani - tee - kontrolli - täiusta)
- Protsessikeskne lähenemine
- Paremad riski hindamise protsessi, kontrolli valiku ja kasutatavuskohasuse deklaratsiooni (Statement of Applicability)vaheliste seoste määratlused
- Lisas on toodud uue versiooni kasutamise juhised
- Teises lisas on näidatud seosed BS 7799-2:2002, ISO 9001:200 ja ISO 14001:1996 vahel




# CEN UUDISED

**Uus raudtee standard**
CEN/TK 256 Raudtee rakendused koostas standardi EN 13129-1 *Air conditioning for main line rolling stock. Part 1: Comfort parameters.* Standard sätestab Euroopa raudtee jaoks mugavusparameetrid õhu konditsioneeride osas.

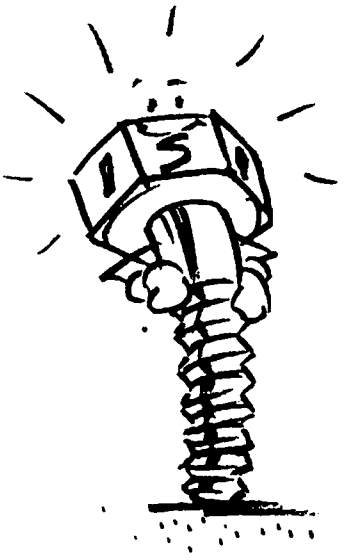
**Töötervishoid- ja ohutus**
CEN OHS foorumi organiseeritud seminaril 18. oktoobril Brüsselis arutati töötervishoiu- ja ohutuse küsimusi seoses masina- ja isikukaitsevahenditega. Kasutamisjuhised on nt masinadirektiivi kohustuslik osa ning kaetud standarditega. Standardid peavad andma juhiseid, kuidas kavandada riski hindamise tulemusena infot masinate ohutuks kasutamiseks.
Seminari ettekanded pannakse üles CEN kodulehel aadressil www.cenorm.be/sectors/ohs/htm

# ISO UUDISED

**ISO uueks presidendiks saab 1. jaanuarist 2003 kaheks aastaks Oliver R. Smoot**
USA kodanik, Massachusetsi Tehnoloogiainstituudi teadus- ja majandusbakalaureus, juuradoktor, aktiivne Ameerika koodiassotsiatsiooni (ABA) liige ja käesoleval ajal ABA tehnilise standardiseaduse komitee esimees. Hr Smootil on liidriroll ka rahvusvahelises seadusandluses Maailma Intellektuaalse omandi kaitse ITI Nõukogu esindajana. Ta on liidripositsioonil ka Põhja-Ameerika avatud süsteemide katse- ja sertifitseerimisnõukogus ning ANSI-s ja ühendkomitees JTC 1.

**ISO liikmete arv on jaanuari 2003 seisuga 145,**
neist 94 täisliiget, 37 kirjavahetajaliiget ja 14 abonentliiget.

Viimastest muutustest ISO liikmeskonnas on Elevandiluuranniku saamine ISO täisliikmeks, uue nime on saanud Mongoolia MNCSM, kes on nüüd Mongoolia Standardi- ja metroloogiaagentuur (MASM), standardimise ümberkorraldamise tõttu on esitanud uueks liikmeks saamise avalduse Bulgaaria, Küpros ja Ukraina. ISO liikmena on vahetunud ka Aserbaidžaan, kes on nüüd Aserbaidžaani Standardimise, metroloogia ja patendi riiklik agentuur AZSTAND.



**Rahvusvaheline projekt kaubakonteinerite transpordi parandamiseks**

ISO algatas ja veab projekti, mille eesmärk on parandada kaubakonteinerite transpordisüsteemide ohutust ja suurendada nende tootlust.

Programmi algatas ISO/TC 8 *Ships and marine technology.*

Uus rahvusvaheline cargo transpordisüsteem saab hakata toimima vaid rahvusvaheliselt aktsepteeritud standardite olemasolu korral. Selle programmi raames koostatud standardid avaldatakse avalikult kättesaadavate spetsifikatsioonidena (ISO Publicly Available Specifications PAS).

Standardid töötab välja rahvusvaheline töörühm ISO/TC 8 juhtimisel ISO/IEC JTC 1 Infotehnoloogia ja ISO/TC 204 Transpordi info- ja kontrollsüsteemid osavõtul.

**ISO tehnilise aruande teemaks on inimeste ja arvutite vahelise õnneliku abielu meetodid**

Arvutisüsteemide ja toodete hõlpsam kasutamine inimeste poolt on ISO/TR 16982 *Ergonomics of human-system interaction - Usability methods supporting human-centred design kasutamine* teema. Eeldatavasti suurendab see arvutikasutajate rahulolu ja tootlikkust, vähendab klienditoe- ja koolituskulusid ning parandab kasutajate tervist ja heaolu. TR rakendatakse arvutisüsteemide kogu olelustsükli vältel - kavandamisel, rakendamisel, kasutamisel ja teenindamisel.

**Uus ISO tehniline aruanne aitab kokku liita äri ja keskkonna eesmärke**

Keskkonnasõbralike toodete ja firma kasumi ühitamine on uue ISO tehnilise aruande ISO/TR 14062 *Environmental management. Integrating environmental aspects into product design and development* teema.

Üha enam firmasid jõuab järeldusele keskkonnaaspektide integreerimise kasulikkusest toote kavandamisse ja tootmisse - väiksemad kulud, innovatsiooni kiirendamine, uued ärivõimalused ja paranev toote kvaliteet.

Kõikidel kaupadel ja teenustel on oma olelustsükli jooksul teatav mõju keskkonnale. Näiteks vee ja energia kulu kodutehnika kasutamisel võib toote olelustsükli jooksul avaldada märgatavat mõju keskkonnale.

# 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/

Igas EVS Teatajas numbris ja EVS kodulehel saab tutvuda Uue lähenemisviisi direktiivide all harmoneeritud standarditega. Ühtlasi avaldame ka, millised neist standarditest on üle võetud Eesti standarditeks. Seekord on avaldatud **gaasipõletusseadmete** ja **plahvatusohtliku keskkonna** standardid (avaldatud oktoobri Euroopa Ühenduste Teataja C-seerias).

Kõik seekord viidatud standardid on üle võetud Eesti standarditeks, välja arvatud üks kavand, mis on aasta lõpuni arvamusküsitlusel (loetelus märgitud **).

Standardile **EN 12882:2001 Conveyor belts for general purpose use – Electrical and flammability safety requirements** on Direktiivis 94/9/EÜ (plahvatusohtlik keskkond) valesti viidatud, seetõttu kustutakse see viidatud standardite nimekirjast (OJ C 243 9.10.2002).

EUROOPA PARLAMENDI JA NÕUKOGU DIREKTIIV gaasipõletusseadmeid käsitlevate liikmesriikide õigusaktide ühtlustamise kohta (90/396/EMÜ) 29. Juuni 1990

(2002/C 244/04)
10.10.2002

| Viidatud standardi tähis | Standardi nimetus |
|---|---|
| EN 416-1:1999/A3:2002 | Single burner gas-fired overhead radiant tube heaters for non-domestic use - Part 1: Safety - Amendment 3 |
| EN 777-1:1999/A3:2002 | Multi-burner gas-fired overhead radiant tube heater systems for non-domestic use – Part 1: System D, safety – Amendment 3 |
| EN 777-2:1999/A3:2002 | Multi-burner gas-fired overhead radiant tube heater systems for non-domestic use - Part 2: System E, safety - Amendment 3 |
| EN 777-3:1999/A3:2002 | Multi-burner gas-fired overhead radiant tube heater systems for non-domestic use - Part 3: System F, safety - Amendment 3 |
| EN 777-4:1999/A3:2002 | Multi-burner gas-fired overhead radiant tube heater systems for non-domestic use - Part 4: System H, safety - Amendment 3 |

(2002/C 262/08)
29.10.2002

| Viidatud standardi tähis | Standardi nimetus |
|---|---|
| EN 297:1994/A2:1996 | Gas-fired central heating boilers - Type B11 and B11BS boilers, fitted with atmospheric burners of nominal heat input not exceeding 70 kW - Amendment 2 |

EUROOPA PARLAMENDI JA NÕUKOGU DIREKTIIV plahvatusohtlikus keskkonnas kasutatavaid seadmeid ja kaitsesüsteeme käsitlevate liikmesriikide õigusaktide ühtlustamise kohta (94/9/EÜ) 23. märts 1994

(2002/C 243/06)
9.10.2002

| Viidatud standardi tähis | Standardi nimetus |
|---|---|
| EN 1127-2:2002 | Explosive atmospheres - Explosion prevention and protection - Part 2: Basic concepts and methodology for mining |
| EN 62013-1:2002** | Caplights for use in mines susceptible to firedamp - Part 1: General requirements; Construction and testing in relation to the risk of explosion (IEC 62013-1:1999, modified) |

** standard on arvamusküsitlusel kuni 01.01.2003


# 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@mkm.ee
Eelnõude terviktekstid ja info EVS Teabekeskusest Signe Ruut tel 605 5062, faks 605 5063, enquiry@evs.ee

# WTO SEKRETARIAADILT SAABUNUD TBT TEATISED

| NUMBER & ESITAMIS-KUUPÄEV | RIIK | TOODE/KAUP/ TEENUS | EESMÄRK | KOMMEN-TAARIDE ESITAMISE VIIMANE KUUPÄEV |
|---|---|---|---|---|
| G/TBT/N/ESP/20 25. oktoober 2002 | HISPAANIA | teekatte alus | teekatte aluse hindamise ja analüüsi meetodid | 23. etsember 2002 |
| G/TBT/N/EEC/20 21. november 2002 | EUROOPA ÜHENDUSED | Parathion-methyl (pestitsiid aktiivaine) | keelustamine | 60 päeva |
| G/TBT/N/EEC/22 26. november 2002 | EUROOPA ÜHENDUSED | Acephate (pestitsiid aktiivaine) | keelustamine | 60 päeva |
| G/TBT/N/ESP/21 29. november 2002 | HISPAANIA | madalpinge elektripaigaldiste materjal ja seadmed | ohutus | - |
| G/TBT/N/FIN/8 2. detsember 2002 | SOOME | puuviljade ja mitmeaastaste ilutaimede paljundus- ja külvimaterjal | vabatahtlik sertifitseerimiskava | 6. veebruar 2003 |
| G/TBT/N/BEL/ 35 - 37 3. detsember 2002 | BELGIA | õnnemängud | nimekirjade avaldamine | 60 päeva |

| | | | | |
|---|---|---|---|---|
| G/TBT/N/COL/20<br>5. detsember 2002 | KOLUMBIA | elektriseadmed | ohutus | 1. märts 2003 |
| G/TBT/N/BRA/71<br>5. detsember 2002 | BRASIILIA | lehtnurkteras HS 73.02 | kvaliteedinõuded | 30. november 2002 |
| G/TBT/N/USA/28<br>5. detsember 2002 | USA | rasvhapped<br>ICS: 67 | olulisus igapäevases dieedis | 16. detsember 2002 |
| G/TBT/N/EEC/21<br>5. detsember 2002 | EUROOPA ÜHENDUSED | Metalaxyl<br>(pestitsiid aktiivaine) | kasutamise keelustamine | 60 päeva |
| G/TBT/N/EEC/23<br>5. detsember 2002 | EUROOPA ÜHENDUSED | arsenic | kasutamine puidu töötlemisel | 60 päeva |
| G/TBT/N/BRA/67<br>5. detsember 2002 | BRASIILIA | kütteõlid HS 27 | tarbijate ohutus | - |
| G/TBT/N/BRA/68<br>5. detsember 2002 | BRASIILIA | määrdeõli HS 27 | tarbijate ohutus | - |
| G/TBT/N/BRA/69<br>5. detsember 2002 | BRASIILIA | dünaamilised vedeliku-mõõtesüsteemid HS 90.26; 90.28 | tüübikinnitus | 21. detsember 2002 |
| G/TBT/N/BRA/70<br>5. detsember 2002 | BRASIILIA | sõidumeerik HS 90.29 | tüübikinnitus | - |
| G/TBT/N/BRA/72<br>5. detsember 2002 | BRASIILIA | klaastermomeetrid<br>HS 9025.11 | tüübikinnitus | 16. detsember 2002 |
| G/TBT/N/MEX/42<br>6. detsember 2002 | MEHHIKO | autode ja kergete veoautode rattarehvid | tarbijakaitse ja -ohutus (ohutusnõuded, kaubandusinfo, katsemeetodid) | 14. jaanuar 2003 |
| G/TBT/N/KOR/44<br>6. detsember 2002 | KOREA VABARIIK | kosmeetika | inimeste tervis | - |
| G/TBT/N/CAN/52<br>6. detsember 2002 | KANADA | retseptiravimid<br>ICS: 11.120, 11.220) | inimeste tervise kaitse | 6. veebruar 2003 |
| G/TBT/N/KOR/45<br>9. detsember 2002 | KOREA VABARIIK | kosmeetika | inimeste tervis | - |
| G/TBT/N/NZL/11<br>10. detsember 2002 | UUS MEREMAA | toit ja töödeldud toit | inimeste tervise kaitse (hoiatussildid) | 12. detsember 2002 |
| G/TBT/N/CHE/24<br>10. detsember 2002 | ŠVEITS | raadioseadmed ja kaugside terminaliseadmed | muudatus seadusandluses | 6. veebruar 2003 |
| G/TBT/N/BRA/73<br>11. detsember 2002 | BRASIILIA | pastörisaatorid | tarbijate tervis ja ohutus | 9. detsember 2002 |
| G/TBT/N/BRA/74<br>11. detsember 2002 | BRASIILIA | isotermilised mahutid<br>HS: 8609.00 | tarbijate tervis ja ohutus | 20. detsember 2002 |
| G/TBT/N/TPKM/5<br>12. detsember 2002 | TAIWANI, PENGHU, KINMENI ja MATSU ÜHENDATUD TOLLI-TERRITOORIUM | pakendatud õli (söögivalmistamiseks),rasvad ja külmutatud toiduained | toidu märgistamise nõuded | 10. veebruar 2003 |
| G/TBT/N/GBR/5<br>13. detsember 2002 | ÜHENDATUD KUNINGRIIK | mänguautomaadid | eksituste vältimine | 13. aprill 2003 |
| G/TBT/N/GBR/6<br>13. detsember 2002 | ÜHENDATUD KUNINGRIIK | paratsetamooli, aspiriini ja rohkem kui 24mg rauda sisaldavad ravimid | laste ohutus | 60 päeva |
| G/TBT/N/COL/21<br>17. detsember 2002 | KOLUMBIA | kinnispakis kaubad | tarbijaeksituste ennetamine | 10. märts 2003 |

# WTO SEKRETARIAADILT SAABUNUD SPS TEATISED

| NUMBER & ESITAMIS-KUUPÄEV | RIIK | MÕJUTATAV PIIRKOND/ RIIK | TOODE | EESMÄRK | KOMMEN-TAARIDE ESITAMISE VIIMANE KUUPÄEV |
|---|---|---|---|---|---|
| G/SPS/N/CHL/118 13. november 2002 | TŠIILI | kõik riigid | erinevate puuviljasortide seemned | taimekaitse | 20. detsember 2002 |
| G/SPS/N/GBR/3 13. november 2002 | ÜHENDATUD KUNINGRIIK | Kava-kava tootvad riigid nagu. Fidži, Samoa, Tonga, Vanuatu | Piper methysticumi sisaldavad toidud (tuntud ka nimega Kava-kava) | toiduohutus | - |
| G/SPS/N/PAN/39 21. november 2002 | PANAMA | - | veiseliha | toiduohutus/ loomatervis/ inimeste kaitsmine looma-, taimehaiguste eest | - |
| G/SPS/N/PAN/40 21. november 2002 | PANAMA | - | püüli- ja maisijahu | toiduohutus/ loomatervis/ inimeste kaitsmine looma-, taimehaiguste eest | - |
| G/SPS/N/ARG/70 21. november 2002 | ARGENTIINA | Paraguai | põllumajandus-tooted | loomatervis | - |
| G/SPS/N/CUB/ 2, 3 26. november 2002 | KUUBA | kõik riigid | puud ja taimed, juur- ja puuviljad, kohvi, tee, teravili, tubakas jne. (tooted, mis peavad läbima taimekarantiini) | taimekaitse | - |
| G/SPS/N/CUB/4 26. november 2002 | KUUBA | BSE kahtlusega riigid | mäletsejate veri, kondid ja rupskijahu | loomatervis | - |
| G/SPS/N/CUB/5 26. november 2002 | KUUBA | BSE kahtlusega riigid | värske, külmutatud liha | inimeste kaitsmine looma- /taimehaiguste eest | - |
| G/SPS/N/CUB/6 26. november 2002 | KUUBA | BSE kahtlusega riigid | eksootilised lambad, kitsed ja mäletsejad | loomatervis | - |
| G/SPS/N/NZL/187 27. november 2002 | UUS MEREMAA | kõik riigid | töödeldud toidud | toiduohutus | 20. jaanuar 2003 |

| | | | | | |
|---|---|---|---|---|---|
| G/SPS/N/TPKM/12<br>27. november 2002 | TAIWANI, PENGHU, KINMENI ja MATSU ÜHENDATUD TOLLI-TERRITOORIUM | - | sojakaste | toiduohutus | 31. detsember 2002 |
| G/SPS/N/PHL/45<br>27. november 2002 | FILIPIINID | Kalifornia osariik, USA | linnud ja nendest tooted, linnuliha, päevavanused tibud, munad (HS 0105, 0207, 0407, 0408) | loomatervis | - |
| G/SPS/N/JPN/87<br>27. november 2002 | JAAPAN | kõik riigid | põllumajandus-kemikaalid (HS:3208) | toiduohutus | - |
| G/SPS/N/JPN/89<br>6. detsember 2002 | JAAPAN | kõik riigid | toit ja toidu lisaained, nende seadmed ja pakendid | toiduohutus | 15. jaanuar 2003 |
| G/SPS/N/JPN/90<br>6. detsember 2002 | JAAPAN | kõik riigid | preeriakoerad | inimeste kaitsmine looma-/taimehaiguste eest | 20. jaanuar 2003 |
| G/SPS/N/COL/67<br>9. detsember 2002 | KOLUMBIA | Paraguai | veised, lambad, sead | loomatervis | - |
| G/SPS/N/COL/68<br>9. detsember 2002 | KOLUMBIA | Kalifornia osariik, USA | õunad, pirnid, virsikud ja nektariinid | taimekaitse | - |
| G/SPS/N/CAN/155<br>10. detsember 2002 | KANADA | - | toidu kiiritamine (ICS: 67.020) | toiduohutus | 21. veebruar 2003 |
| G/SPS/N/CAN/156<br>10. detsember 2002 | KANADA | - | Xylanase (ICS: 67.220.20) | toiduohutus | 6. veebruar 2003 |
| G/SPS/N/CAN/157<br>10. detsember 2002 | KANADA | Hispaania | paljundus-materjal, puukoor, muld. | taimekaitse | - |
| G/SPS/N/KOR/121<br>11. detsember 2002 | KOREA VABARIIK | - | pähklid; Solanaceae vili, varred ja lehed; Pomoideae vili ja külmutatud Rubus spp. | taimekaitse | 31. jaanuar 2003 |
| G/SPS/N/NZL/190<br>16. detsember 2002 | UUS MEREMAA | Austraalia, Kanada, Soome, Prantsusmaa, Saksamaa, Iiri, Norra, Rootsi, Ühendatud Kuningriik ja USA | Avena külviseemnete impordinõuded | taimekaitse | 3. veebruar 2003 |

| | | | | | |
|---|---|---|---|---|---|
| G/SPS/N/NZL/191<br>16. detsember 2002 | UUS MEREMAA | Austraalia, Austria, Belgia, Kanada, Taani, Soome, Prantsusmaa, Saksamaa, Iiri, Jaapan, Holland, Norra, Hispaania, Ühendatud Kuningriik ja USA | Hordeum külviseemnete impordinõuded | taimekaitse | 3. veebruar 2003 |
| G/SPS/N/NZL/192<br>16. detsember 2002 | UUS MEREMAA | Austraalia, Kanada, Saksamaa, Itaalia, Holland, Ühendatud Kuningriik ja USA | Phaseolus külviseemnete impordinõuded | taimekaitse | 3. veebruar 2003 |
| G/SPS/N/NZL/193<br>16 detsember 2002 | UUS MEREMAA | Austraalia, Belgia, Kanada, Taani, Prantsusmaa, Saksamaa, Itaalia, Holland, Rootsi, Ühendatud Kuningriik ja USA | Pisum külviseemnete impordinõuded | taimekaitse | 3. veebruar 2003 |
| G/SPS/N/NZL/194<br>16. detsember 2002 | UUS MEREMAA | Austraalia, Kanada, Taani, Soome, Prantsusmaa, Saksamaa, Holland, Norra, Rootsi, Ühendatud Kuningriik ja USA | Triticum külviseemnete impordinõuded | taimekaitse | 3. veebruar 2003 |
| G/SPS/N/NZL/195<br>16. detsember 2002 | UUS MEREMAA | Austraalia, Kanada, Saksamaa, Itaalia, Holland ja USA | Vicia külviseemnete impordinõuded | taimekaitse | 3. veebruar 2003 |
| G/SPS/N/NZL/196<br>16. detsember 2002 | UUS MEREMAA | kõik riigid | kindlad toidud, mis sisaldavad määratletud põllu-majanduslikke jääke | toiduohutus | 1. märts 2003 |
| G/SPS/N/NZL/197<br>16. detsember 2002 | UUS MEREMAA | kõik riigid | haiguse Phytophthora ramorum edasikandja: Pseudotsuga menziesii | taimekaitse | - |
| G/SPS/N/AUS/144<br>17. detsember 2002 | AUSTRAALIA | kõik riigid | töödeldud toidud | toiduohutus | 19. detsember 2002 |
| G/SPS/N/KOR/122<br>17. detsember 2002 | KOREA VABARIIK | kõik kaubandus-partnerid | taimed ja nendest tooted | taimekaitse | 27. detsember 2002 |

| | | | | | |
|---|---|---|---|---|---|
| G/SPS/N/TPKM/14<br>18. detsember 2002 | TAIWANI, PENGHU, KINMENI ja MATSU ÜHENDATUD TOLLI-TERRITOORIUM | - | Sodium dehydroacetate | toiduohutus | 10. veebruar 2003 |
| G/SPS/N/MYS/12<br>19. detsember 2002 | MALAISIA | kõik riigid | geneetiliselt muudetud toit | toiduohutus | 15. veebruar 2003 |
| G/SPS/N/EEC/180<br>20. detsember 2002 | EUROOPA ÜHENDUSED | EÜ liikmesriigid ja EÜ-sse importivad kolmandad riigid | mineraalvesi ja looduslik mineraalvesi (CN 2201) ICS:67.160.20 | toiduohutus | - |
| G/SPS/N/EEC/181<br>19. detsember 2002 | EUROOPA ÜHENDUSED | Egiptus | kartulid | taimekaitse | - |
| G/SPS/N/JPN/91<br>20. detsember 2002 | JAAPAN | kõik riigid | Hydroxypropylm ethylcellulose ja biotin | toiduohutus | 25. veebruar 2003 |
| G/SPS/N/SVK/21<br>20. detsember 2002 | SLOVAKKIA | kõik riigid | taimed ja nendest tooted | taimekaitse/ territooriumi kaitsmine kahjurite eest | - |

# 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 käsitlusala 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 konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardite kavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul on asjasthuvitatuil 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 käsitlusalaga kokkulangevatest standarditest EVS kontaktisiku kaudu);

2) Eesti standardite kavandid, mis Eesti standardimisprogrammi järgi on jõudnud arvamusküsitluse etappi (kavandid on kättesaadavad eesti keeles standardi-osakonnas, neid saab osta müügigrupist);

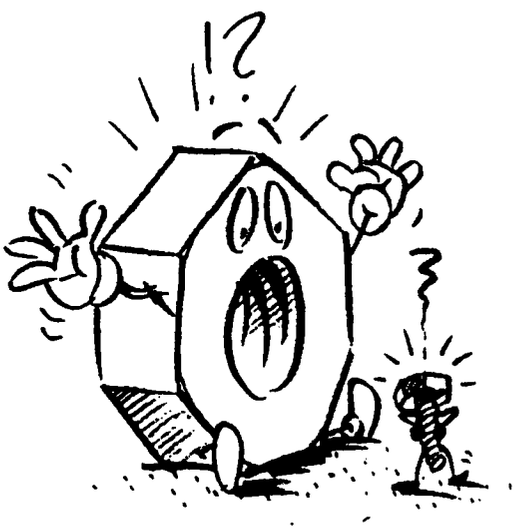
3) Euroopa (prEN) standardite kavandid, mis on saadetud liikmetele arvamusküsitluseks (kavandid on kättesaadavad EVS raamatukogus, v.a Euroopa standarditeks ülevõetavate nende ISO tehniliste komiteede kavandid (prEN ISO), mille töös EVS ei osale, ja neid saab osta müügigrupist. EVS tehnilistel komiteedel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

EVS Teatajas on kavandid identifitseeritud sellele standardite andmebaasis omistatud projekti numbri 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 | Üldküsimused. 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. Juveelitooted |
| 43 | Maanteesõidukite 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 |



## 01.040.13 Keskkonna- ja tervisekaitse. Ohutus (sõnavara)

Environment and health protection. Safety (Vocabularies)

### UUED STANDARDID

**EVS 812-1:2002**
Hind 179,00
Identne EVS 812-1:2002
**Ehitiste tuleohutus. Osa 1: Sõnavara**
Käesolev standard sätestab ehitusliku tuleohutuse mõisted.

## 01.040.19 Katsetamine (sõnavara)

Testing (Vocabularies)

### UUED STANDARDID

**EVS-EN 60068-5-2:2002**
Hind 163,00
Identne IEC 60068-5-2:1990
ja identne EN 60068-5-2:1999
**Environmental testing - Part 5: Guide to drafting of test methods - Terms and definitions**
Defines terms used in the environmetal testing of electrotechnical products such as components, sub-assemblies, assemblies and equipments.

## 01.040.25 Tootmistehnoloogia (sõnavara)

Manufacturing engineering (Vocabularies)

### UUED STANDARDID

**EVS-EN 13622:2002**
Hind 117,00
Identne EN 13622:2002
**Gas welding equipment - Terminology - Terms used for gas welding equipment**
This standard constitutes a compilation of technical terms and definitions specificly related to gas welding equipment.

## 01.040.29 Elektrotehnika (sõnavara)

Electrical engineering (Vocabularies)

### UUED STANDARDID

**EVS-EN 60383-1:2002**
Hind 295,00
Identne IEC 60383-1:1993
ja identne EN 60383-1:1996+A11:1999
**Insulators for overhead lines with a nominal voltage above 1 k V - 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.

**EVS-EN 60674-1:2002**
Hind 92,00
Identne IEC 60674-1:1980
ja identne EN 60674-1:1998
**Specification for plastic films for electrical purposes - Part 1: Definitions and general requirements**
This standard is applicable to plastic films used for electrical purposes. This Part 1 gives definitions for, and specifies general requirements to be fulfilled by, plastic films used for electrical purposes.

**EVS-EN 61067-1:2002**
Hind 117,00
Identne IEC 61067-1:1991
ja identne EN 61067-1:1997
**Specification for glass and glass polyester fibre woven tapes - Part 1: Definitions, classification and general requirements**
This standard specifies requirements for loomstate, continuous filament tapes woven on conventional or shuttleless looms from either glass fibres or a combination of glass and polyester fibres. The ranges of nominal sizes covered by this standard are: width: 10 mm to 50 mm, thickness: 0,05 mm to 0,40 mm.

**EVS-EN 61086-1:2002**
Hind 109,00
Identne IEC 61086-1:1992
ja identne EN 61086-1:1994
**Specification for coatings for loaded printed wire boards (conformal coatings) - Part 1: Definitions, classification and general requirements**
Gives the definition, classification and general requirements for electrical insulating materials suitable for application as coatings for loaded printed wire boards (conformal coatings).

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55287
Tähtaeg: 2003-02-01
Identne IEC 60050-826:1982+A1+A2+A3:1999
ja identne HD 384.2 S2:2001
**International electrotechnical vocabulary - Chapter 826: Electrical installations og buildings**
International electrotechnical vocabulary - Chapter 826: Electrical installations og buildings

## 01.040.55 Pakendamine (sõnavara)

Packaging and distribution of goods (Vocabularies)

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 34615
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15867:2002
ja identne prEN ISO 15867:2002
**Intermediate bulk containers (IBCs) for non-dangerous goods - Terminology**
This European Standard defines basic terminology for all forms of IBCs intended to transport non-dangerous goods

## 01.040.61 Rõivatööstus (sõnavara)

Clothing industry (Vocabularies)

### UUED STANDARDID

**EVS-EN 13402-1:2002**
Hind 92,00
Identne EN 13402-1:2001
**Rõivaste suurustähistus. Osa 1: Terminid, määratlused ja mõõduvõtmine (modifitseeritud ISO 3635:1981)**
Standard määratleb kehamõõtmed rõivastele, määrab kindlaks menetluse keha mõõtmiseks ja esitab piktogrammid, mida tuleb kasutada rõivaetikettidel.

## 01.040.81
## Klaasi- ja keraamikatööstus (sõnavara)

Glass and ceramics industries (Vocabularies)

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 22711
Tähtaeg: 2003-03-01
Identne prEN 1402-1:2002
**Unshaped refractory products - Part 1: Introduction and classification**
This European Standard defines terms relating to unshaped refractory products and establishes the cassification for the various types of products. Raw materials and crushed or granulated refractory materials which do not contain any binder are excluded

## 01.040.91
## Ehitusmaterjalid ja ehitus (sõnavara)

Construction materials and building (Vocabularies)

### UUED STANDARDID

**EVS-EN 12216:2002**
Hind 259,00
Identne EN 12216:2002
**Shutters, external blinds, internal blinds - Terminology, glossary and definitions**
This document applies to all types of blinds, awnings and shutters regardless of their purpose, and design, and the component materials, as they are normally used and applied in buildings. It does not apply to industrial, commercial and garage doors (for houses and dwellings).

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 7025
Tähtaeg: 2003-03-01
Identne prEN 14037-1:2002
**Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 1: Technical specifications and requirements**
This European Standard defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source. The European Standard does not apply to independent heating appliances. The European Standard also defines the additional common data that the manufacturer shall provide to the trade in order to ensure the correct application of the products
prEVS 52728
Tähtaeg: 2003-01-02
Identne EN 12433-2:1999
**Tööstus-, kommerts- ning garaažiuksed ja väravad. Terminoloogia. Osa 2: Ukseosad**
This standard specifies the terms for parts of most types of doors, gates and barriers in common use. The terms used are therefore also applicable for barriers.
prEVS 55057
Tähtaeg: 2003-03-01
Identne prEN 14037-2:2002
**Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 1: Technical specifications and requirements**
This European Standard defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source. The European Standard does not apply to independent heating appliances

## 01.070
## Värvuskoodid

Colour coding

### UUED STANDARDID

**EVS-EN 60446:2002**
Hind 126,00
Identne IEC 60446:1999
ja identne EN 60446:1999
**Basic and safety principles for man-machine interface, marking and identification - Identification of conductors by colours or numerals**
This standard provides general rules for the use of certain colours or numerals to identify conductors including conductors in cables or cores and for busbars, electrical equipment and installations with the aim of avoiding ambiquity and ensuring safe operation.

## 01.080.10
## Üldkasutatavad graafilised tingtähised

Public information symbols

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55177
Tähtaeg: 2003-02-01
Identne IEC 61286:2001
ja identne EN 61286:2001
**Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange**
Specifies a standardized coded graphic character set for use in drawings and diagrams, and for the design of graphical symbols. Edition 2 describes the correspondence between this character set and that of ISO/IEC 10646-1.

## 01.080.20
## Eriseadmete graafilised tingtähised

Graphical symbols for use on specific equipment

### UUED STANDARDID

**EVS-EN 60417-1:2002**
Hind 283,00
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).

**EVS-EN 60417-2:2002**
Hind 433,00
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.

**EVS-EN 80416-1:2002**
Hind 170,00
Identne IEC 80416-1:2001
ja identne EN 80416-1:2001
**Basic principles for graphical symbols for use on equipment - Part 1: Creation of symbol originals**
This Part 1 of the standard specifies the key principles for the creation of symbol originals for use on equipment. In accordance with the intended meaning of the symbol originals, it contains rules for design such as shape and size, and also for preparation of the accompanying texts.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55161
Tähtaeg: 2003-02-01
Identne IEC 80416-3:2002
ja identne EN 80416-3:2002
**Basic principles for graphical symbols for use on equipment - Part 3: Guidelines for the application of graphical symbols**
Provides guidelines for the application of graphical symbols for use on equipment in order to maintain visual clarity and overall consistency when such graphical symbols are applied. It stipulates the permissible extent by which a symbol original may be modified in reproduction for actual use on equipment

## 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

### UUED STANDARDID

**EVS-EN 60617-13:2002**
Hind 272,00
Identne IEC 60617-13:1993
ja identne EN 60617-13:1993
**Graphical symbols for diagrams - Part 13: Analogue elements**
Graphical symbols for diagrams. Analogue elements. General; qualifying symbols; amplifiers; function generators; co-ordinate converters; signal converters; electronic switches; coefficient scalar.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 53985
Tähtaeg: 2003-02-03
Identne EVS 831:2003
**Ventilatsiooni tingmärgid**

## 01.080.50
## Infotehnoloogia ja telekommunikatsioonitehnoloogia alases tehnilises dokumentatsioonis kasutatavad graafilised tingtähised

Graphical symbols for use on information technology and telecommunications technical drawings

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55282
Tähtaeg: 2003-02-01
Identne IEC 81714-2:1998
ja identne EN 81714-2:1998
**Design of graphical symbols for use in the technical documentation of products - Part 2: Specification for graphical symbols in a computer sensible form including graphical symbols for a reference library, and requirements for their interchange**
Specifies requirements for graphical symbols to be included in a reference symbol library in a computer sensible form. The reference symbol library may be used as a basis for the design and editing of documents and for the interchange of documents and grahical symbol library among computer-aided tools. Basic rules are given in ISO/IEC 11714-1

## 01.110
## Toote tehniline dokumentatsioon

Technical product documentation

### UUED STANDARDID

**EVS-EN 61082-1:2002**
Hind 381,00
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.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55270
Tähtaeg: 2003-02-01
Identne IEC 82045-1:2001
ja identne EN 82045-1:2001
**Document management - Part 1: Principles and methods**
Specifies principles and methods to define metadata for the management of documents associated with objects throughout their life cycle; This cycle generally covers a range from the conceptual idea of a document to its deletion. The established principles and methods are basic for all document management systems. This part is intended as a general basic standard in all application fields and provides the framework applicable for part 2. International Standard 82045 is primarily intended as a resource for the use in computerised systems such as Electronic Document Management Systems (EDMS) or Product Data Management Systems (PDMS) for the management, retrieval, storage and selection and archiving of

documents, and as a basis for the exchange of documents.

## 03.080.10 Tööstusteenused

Industrial services

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33352
Tähtaeg: 2003-03-01
Identne prEN 13547:2002
**Industrial valves - Copper alloy ball valves**
This European Standard applies to copper alloy ball valves for general use having, flanged, threaded, capillary or compression or loose nut/union body ends. This standard specifies the design and performance requirements including materials, pressure/temperature ratings for the shell and body seats, dimensions, test procedures and marking

## 03.120.10 Kvaliteedijuhtimine ja -tagamine

Quality management and quality assurance

### UUED STANDARDID

**EVS-EN 100114-1:2002**
Hind 126,00
Identne EN 100114-1:1996
**Rule of Procedure - Quality Assessment Procedures - Part 1: CECC requirements for the approval of an organization**
This section is intended for use by manufactureres, distributors and specialist contractors operating in the field of electronic components, who wish to obtain quality system approval for an organization under the CECC System. This RP shall prevail in cases of apparent conflict.

## 03.240 Postiteenused

Postal services

### UUED STANDARDID

**EVS-EN 13724:2002**
Hind 130,00
Identne EN 13724:2002
**Postal services - Apertures of private letter boxes and letter plates - Requirements and test methods**
This European Standard specifies the requirements and the test methods of the apertures for the delivery of letter post items when fitted in accordance with the manufacturers instructions. It takes into account security, impregnability, safety and performance for the recipient, and ergonomics and efficiency for delivery personnel. It allows the daily delivery in good condition of a great majority of letter post items

## 11.040.01 Meditsiinivarustus üldiselt

Medical equipment in general

### UUED STANDARDID

**EVS-EN 61205:2002**
Hind 199,00
Identne IEC 61205:1993
ja identne EN 61205:1994
**Ultrasonics; dental descaler systems; measurement and declaration of the output characteristics**
Specifies: -essential non-thermal output characteristics of ultrasonic dental descalers; -the methods of measurement of the output performance of ultrasonic dental descalers; -the characteristics to be declared by the manufacturers of ultrasonic dental descalers.

**EVS-EN 13718-1:2002**
Hind 130,00
Identne EN 13718-1:2002
**Air, water and difficult terrain ambulances - Part 1: Medical device interface requirements for the continuity of patient care**
This European Standard specifies minimum performance requirements for interfaces of medical devices used within air, water, and difficult terrain ambulances. Exclusions: the standard specifically excludes consideration of the design and ergonomic requirements of the vehicle or craft. Specific requirements for permanent outdoor use and storage of medical devices are excluded from this standard

**EVS-EN 13718-2:2002**
Hind 146,00
Identne EN 13718-2:2002
**Air, water and difficult terrain ambulances - Part 2: Operational and technical requirements for the continuity of patient care**
This European Standard specifies minimum requirements for dedicated ambulance services covering air, water, and difficult terrain vehicles and craft in particular

**EVS-EN 60601-1-1:2002**
Hind 229,00
Identne IEC 60601-1-1:2000
ja identne EN 60601-1-1:2001
**Medical electrical equipment - Part 1-1: General requirements for safety; Collateral standard: Safety requirements for medical electrical systems**
This standard is the first of a new series of collateral standards that specify general requirements for safety applicable to a group of electromedical equipment not fully addressed in the General Standard. This publication deals with safety requirements for medical electrical systems

**EVS-EN 60601-1-2:2002**
Hind 272,00
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**
Käesolev standard rakendub elektrilistele meditsiiniseadmetele, elektrilistele meditsiinisüsteemidele, elektrilistes meditsiinisüsteemides kasutatavatele infotehnoloogiaseadmetele ning kõigile teistele seadmetele, mis moodustavad osa elektrilisest meditsiinisüsteemist

**EVS-EN 60601-1-4:2000/A1:2002**
Hind 117,00
Identne IEC 60601-1-4:1996/A1:1999
ja identne EN 60601-1-4:1996/A1:1999
**Elektrilised meditsiiniseadmed. Osa 1: Üldised ohutusnõuded 4. kollateraalstandard: Programmeeritavad elektrilised meditsiinisüsteemid**
Käesolev kollateraalstandard käsitleb programmeeritavaid elektrilisi alamsüsteeme (PESS) hõlmavate elektriliste meditsiiniseadmete ja elektriliste meditsiinisüsteemide, edaspidi programmeeritavate elektriliste

meditsiinisüsteemide (PEMS), ohutust

**EVS-EN 60601-2-30:2002**
Hind 199,00
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).

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55345
Tähtaeg: 2003-02-01
Identne IEC 60601-1:1977 + A1:1984
ja identne HD 395.1 S2:1988 + A1:1993
**Medical electrical equipment - Part 1: General requirements for safety**
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.

## 11.040.10 Anesteesia-, hingamis- ja reanimatsioonivarustus

Anaesthetic, respiratory and reanimation equipment

### UUED STANDARDID

EVS-EN 13328-2:2002
Hind 75,00
Identne EN 13328-2:2002
**Breathing system filters for anaesthetic and respiratory use - Part 2: Non-filtration aspects**
This Standard specifies requirements for non-filtration aspects of breathing system filters (BSF) intended for anaesthetic and respiratory use and addresses connection ports, leakage, resistance to flow, packaging, marking and information supplied

## 11.040.20 Transfusiooni, infusiooni ja süstimise varustus

Transfusion, infusion and injection equipment

### UUED STANDARDID

**EVS-EN 13868:2002**
Hind 101,00
Identne EN 13868:2002
**Catheters - Test methods for kinking of single lumen catheters and medical tubing**
This Standard specifies test methods for kinking properties for single lumen catheters and medical tubing as they relate to the device ready for clinical use. The purpose of the standard is to ensure uniformity in the evaluation of tubing kink properties

## 11.040.30 Kirurgiariistad ja materjalid

Surgical instruments and materials

### UUED STANDARDID

**EVS-EN 60601-2-2:2002**
Hind 190,00
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.

**EVS-EN 60601-2-41:2002**
Hind 190,00
Identne IEC 60601-2-41:2000
ja identne EN 60601-2-41:2000
**Medical electrical equipment - Part 2-41: Particular requirements for the safety of surgical luminaires and luminaires for diagnosis**
This particular standard details the requirements to be applied to surgical luminaires and luminaires for diagnosis as defined in clauses 2.101 through 2.104, hereinafter referred to as EQUIPMENT.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55319
Tähtaeg: 2003-03-01
Identne prEN 13795-2:2002
**Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment - Part 2: Test methods**
This part of the series of EN 13795 specifies test methods for evaluating characteristics of surgical drapes, gowns and clean air suits

## 11.040.40 Kirurgilised implantaadid, proteesimine ja ortopeedia

Implants for surgery, prosthetics and orthotics

### UUED STANDARDID

**EVS-EN 50061:2002**
Hind 190,00
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.

**EVS-EN 50077:2002**
Hind 109,00
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.

## 11.040.50 Radiograafiaseadmed

## Radiographic equipment

## UUED STANDARDID

**EVS-EN 60522:2002**
Hind 92,00
Identne IEC 60522:1999
ja identne EN 60522:1999
**Determination of the permanent filtration of X-ray tube assemblies**
This standard defines the concept of permanent filtration in X-ray tube assemblies for medical diagnosis and radiotherapy and describes a method for its determination. It contains requirements for statements of compliance for accompanying documents and for marking on X-ray tube assemblies. Methods are given to determine the permanent filtration in an X-ray tube assembly with an accuracy that is sufficient to enable the appropriate additional filtration to be provided in order to attain the desired total filtration.

**EVS-EN 60731:2002**
Hind 338,00
Identne IEC 60731:1997
ja identne EN 60731:1997
**Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy**
This international Standard specifies the performance requirements or radiotherapy dosimeters, as defined in 3.1, intended for the measurement of absorbed dose to water or air kerma (and their rates) in photon or electron radiation fields as used in radiotherapy.

**EVS-EN 60976:2002**
Hind 146,00
Identne IEC 60976:1989+A1:2000
ja identne EN 60976:1999+A1:2000
**Medical electrical equipment - Medical electron accelerators - Functional performance characteristics**
This standard applies to medical electron accelerators when used, for therapy purposes, in human medical practice. This standard applies to electron accelerators which deliver a radiation beam of either X-radiation or electron radiation with nominal energies in the range 1 MeV to 50 MeV at maximum absorbed dose rates between 0,001 Gy s-1 and 1 Gy s-1 at 1 m from the radiation source and at normal treatment distances between 50 cm and 200 cm from the radiation source.

**EVS-EN 61157:2002**
Hind 272,00
Identne IEC 61157:1992
ja identne EN 61157:1994
**Requirements for the declaration of the acoustic output of medical diagnostic ultrasonic equipment**
Establishes requirements for the declaration of the acoustic output information: 1.to be presented in technical data sheets supplied to prospective purchasers of equipment by manufacturers; 2.to be declared in the accompanying literature/ manual supplied by manufacturers; 3.as background information to be made available on request to interested parties by manufacturers.

**EVS-EN 61206:2002**
Hind 0,00
Identne IEC 61206:1993
ja identne EN 61206:1995
**Ultrasonics - Continuous-wave Doppler systems - Test procedures**
Describes the test methods for measuring the performance of continuous-wave ultrasonic Doppler flowmeters, velocimeters, or foetal heart detectors and special Doppler test objects for determining various performance properties of Doppler ultrasound systems. Does not include electrical safety and acoustic output. This publication has the status of a type 2 technical report.

**EVS-EN 61220:2002**
Hind 259,00
Identne IEC 61220:1993
ja identne EN 61220:1995
**Ultrasonics - Fields - Guidance for the measurement and characterization of ultrasonic fields generated by medical ultrasonic equipment using hydrophones in the frequency range 0,5 MHz to 15 MHz**
Provides guidance on the practical measurement of the acoustic output of various types of medical ultrasonic equipment. Contains also procedures for correcting limitations caused by the use of hydrophones with finite bandwidth and finite active element size.

**EVS-EN 61266:2002**
Hind 272,00
Identne IEC 61266:1994
ja identne EN 61266:1995
**Ultrasonics - Hand-held probe doppler foetal heartbeat detectors - Performance requirements and methods of measurement and reporting**
This International Standard, IEC 1266, specifies methods of evaluating the performance of ultrasonic foetal heartbeat detectors and, in particular, specifies a method of determining the sensitivity of the system to the detection of a moving target.

**EVS-EN 61674:2002**
Hind 247,00
Identne IEC 61674:1997
ja identne EN 61674:1997
**Medical electrical equipment - Dosimeters with ionization chambers and/or semi-conductor detectors as used in x-ray diagnosis imaging**
This standard specifies the performance requirements of diagnostic dosemeters, as defined in 3.1, intended for the measurement of AIR KERMA, AIR KERMA LENGTH or AIR KERMA RATE, in photon radiation fields as used in radiography, including mammography, radioscopy and computed tomography (CT), for X-rays with generating potentials not greater than 150 kV.

**EVS-EN 61675-1:2002**
Hind 179,00
Identne IEC 61675-1:1998
ja identne EN 61675-1:1998
**Radionuclide imaging devices - Characteristics and test conditions - Part 1: Positron emission tomographs**
This part of IEC 61675 specifies terminology and test methods for declaring the characteristics of POSITRON TOMOGRAPHS. POSITRON EMISSION TOMOGRAPHS detect the ANNIHILATION RADIATION of positron emitting RADIONUCLIDES by COINCIDENCE DETECTION.

**EVS-EN 61675-2:2002**
Hind 155,00
Identne IEC 61675-2:1998
ja identne EN 61675-2:1998
**Radionuclide imaging devices - Characteristics and test conditions - Part 2: Single photon emission computer tomographs**
This part of IEC 61675 specifies terminology and test methods for describing the characteristics of Anger type rotational GAMMA CAMERA SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHS(SPECT), equipped with parallel hole collimators.

**EVS-EN 61675-3:2002**
Hind 92,00
Identne IEC 61675-3:1998
ja identne EN 61675-3:1998
**Radionuclide imaging devices-characteristics and test conditions - Part 3: Gamma camera based wholebody imaging systems**
This object of this part of IEC 61675 is to specify test methods for describing the characteristics of CAMMA CAMERA BASED WHOLEBODY IMAGING SYSTEMS. As these systems are based on Anger type GAMMA CAMERAS this part of IEC 61675 should be read in conjunction with IEC 60789.

**EVS-EN 60601-2-8:2002**
Hind 295,00
Identne IEC 60601-2-8:1987 + A1:1997
ja identne EN 60601-2-8:1997 + A1:1997
**Medical electrical equipment - Part 2: Particular requirements for the safety of therapeutic X-ray equipment operating in the range 10 kV to 1 MV**
Specified particular requirements for the safety of therapeutic X-ray generators operating with nominal X-ray tube voltages from 10 kV to 400 kV inclusive.

**EVS-EN 61223-3-1:2002**
Hind 212,00
Identne IEC 61223-3-1:1999
ja identne EN 61223-3-1:1999
**Evaluation and routine testing in medical imaging departments - Part 3-1: Acceptance tests - Imaging performance of X-ray equipment for radiographic and radioscopic systems**
This part of IEC 1223 applies to those components of X-ray equipment which influence the image quality and patient dose of diagnostic X-ray systems using radiographic and radioscopic imaging systems.

**EVS-EN 61223-3-4:2002**
Hind 179,00
Identne IEC 61223-3-4:2000
ja identne EN 61223-3-4:2000
**Evaluation and routine testing in medical imaging departments - Part 3-4: Acceptance tests - Imaging performance of dental X-ray equipment**
This part of IEC 61223 applies to those components of dental X-ray equipment using radiographic imaging systems which influence the image quality and patient dose. This standard applies to the performance of the acceptance test on dental x-ray equipment with intra-oral x-ray image receptor and dental x-ray equipment with extra-oral x-ray image receptor (e.g. dental panoramic x-ray equipment or cephalometric x-ray). This standard applies to dental film and digital image acquisition and processing.

**EVS-EN 60601-2-18:2001/A1:2002**
Hind 101,00
Identne IEC 60601-2-18:1996/ A1:2000
ja identne EN 60601-2-18:1996/ A1:2000
**Medical electrical equipment - Part 2-18: Particular requirements for the safety of endoscopic equipment**
This particular standard specifies requirements for the safety of endoscopic equipment and integrated instrumentation used for medical diagnosis and therapy and for treatment in body cavities. It is subdivided into five applications concerning endoscopes for (a) direct visualiztion, (b) integration with thermocautery or (c) lithotrite, (d) electrosurgery and (e) other specialized endoscopes.

**EVS-EN 60601-2-43:2002**
Hind 179,00
Identne IEC 60601-2-43:2000
ja identne EN 60601-2-43:2000
**Medical electrical equipment - Part 2-43: Particular requirements for the safety of X-ray equipment for interventional procedures**
This Particular Standard applies to X-ray equipment declared by the MANUFACTURER to be suitable for prolonged RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES. Its scope excludes in particular: - equipment for RADIOTHERAPY; - equipment for COMPUTED TOMOGRAPHY; - ACCESSORIES intended to be introduced into the PATIENT; - mammographic X-RAY EQUIPMENT. Equipment declared by the MANUFACTURER to be suitable for RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, which does not include a PATIENT SUPPORT as part of the system, are exempt from the PATIENT SUPPORT provisions of this standard.

**EVS-EN 60601-2-44:2002**
Hind 179,00
Identne IEC 60601-2-44:2001
ja identne EN 60601-2-44:2001
**Medical electrical equipment - Part 2-44: Particular requirements for the safety of X-ray equipment for computed tomography**
This particular standard applies to X-ray equipment for computed tomography (CT SCANNERS). It does not cover the safety requirements for HV-generators which will be the subject of another standard. The object of this standard is to establish requirements for safe operation of CT SCANNERS in as far as those requirements have not yet been specified in the General Standard, the Collateral Standards or other Particular Standards.

**EVS-EN 60601-2-45:2002**
Hind 190,00
Identne IEC 60601-2-45:2001
ja identne EN 60601-2-45:2001
**Medical electrical equipment - Part 2-45: Particular requirements for the safety of mammographic X-ray equipment and mammographic stereotactic devices**
This particular standard contains requirements for the safety of X-ray equipment designed for mammography amd mammographic stereotactic devices.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55268
Tähtaeg: 2003-02-01
Identne IEC 60627:2001
ja identne EN 60627:2001
**Diagnostic X-ray imaging equipment - Characteristics of general purpose and mammographic anti-scatter grids**
Deals with the definitions, determination and indication of characteristics of anti-scatter grids used in diagnostic X-ray imaging equipment, in order to reduce the incidence of scattered radiation, produced particularly in the body of the patient, upon the image reception area and thus to improve the contrast of the X-ray pattern. Only linear grids are considered in this standard. This standard is intended to be applied for the demonstration of the characteristics of anti-scatter grids under test conditions.
prEVS 55357
Tähtaeg: 2003-02-01
Identne IEC 60731:1997/A1:2002
ja identne
EN 60731:1997/A1:2002
**Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy**
This international Standard specifies the performance requirements or radiotherapy dosimeters, as defined in 3.1, intended for the measurement of absorbed dose to water or air kerma (and their rates) in photon or electron radiation fields as used in radiotherapy.
prEVS 55359
Tähtaeg: 2003-02-01
Identne IEC 61674:1997/A1:2002
ja identne EN
61674:1997/A1:2002
**Medical electrical equipment - Dosimeters with ionization chambers and/or semi-conductor detectors as used in x-ray diagnosis imaging**
This standard specifies the performance requirements of diagnostic dosemeters, as defined in 3.1, intended for the measurement of AIR KERMA, AIR KERMA LENGTH or AIR KERMA RATE, in photon radiation fields as used in radiography, including mammography, radioscopy and computed tomography (CT), for X-rays with generating potentials not greater than 150 kV.
prEVS 55361
Tähtaeg: 2003-02-01
Identne IEC 61331-1:1994
ja identne EN 61331-1:2002
**Protective devices against diagnostic medical X-radiation - Part 1: Determination of attenuation properties of materials**
Applies to materials in sheet form used for the manufacturing of protective devices against X-radiation of radiation qualities generated with X-ray tube voltages up to 400 kV and a total filtration of up to 3,5 mm Cu. This part 1 is not intended to be applied to protective devices when these are to be checked for the presence of their attenuation properties before and after periods of use.
prEVS 55362
Tähtaeg: 2003-02-01
Identne IEC 61331-2:1994
ja identne EN 61331-2:2002
**Protective devices against diagnostic medical X-radiation - Part 2: Protective glass plates**
Applies to protective glass plates for use in radiological equipment or in radiological installations where an optical transmission of visual images, type SC, or other kind of viewing, type VI, through protective shielding is to be realized.

## 11.040.55 Diagnostikaseadmed

Diagnostic equipment

## UUED STANDARDID

**EVS-EN 60601-2-10:2002**
Hind 199,00
Identne IEC 60601-2-10:1987+ A1:2001
ja identne EN 60601-2-10:2000+ A1:2001
**Medical electrical equipment - Part 2-10: Particular requirements for the safety of nerve and muscle stimulators**
Specifies particular requirements for the safety of electrical stimulators of muscles and nerves in the specialized practice of physical medicine. It excludes stimulators used with implanted electrodes, brain stimulation, neurological research, cardiac pacemakers, defibrillators and other surgical procedures.

**EVS-EN 60601-2-23:2002**
Hind 179,00
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.

**EVS-EN 60601-2-33:2002**
Hind 259,00
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.

**EVS-EN 60601-2-34:2002**
Hind 229,00
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

**EVS-EN 60601-2-41:2002**
Hind 190,00
Identne IEC 60601-2-41:2000
ja identne EN 60601-2-41:2000

**Medical electrical equipment - Part 2-41: Particular requirements for the safety of surgical luminaires and luminaires for diagnosis**
This particular standard details the requirements to be applied to surgical luminaires and luminaires for diagnosis as defined in clauses 2.101 through 2.104, hereinafter referred to as EQUIPMENT.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55317
Tähtaeg: 2003-03-01
Identne prEN 1060-4:2002
**Non-invasive sphygmomanometers - Part 4: Test procedures to determine the overall system accuracy of automated noninvasive sphygmomanometers**
This European Standard describes test procedures for investigations to determine the overall system accuracy of automated non-invasive sphygmomanometers, designed for the indirect measurement of blood pressure

## 11.040.60 Raviseadmed

Therapy equipment

## UUED STANDARDID

**EVS-EN 61689:2002**
Hind 283,00
Identne IEC 61689:1996
ja identne EN 61689:1996
**Ultrasonics - Physiotherapy systems - Performance requirements and methods of measurement in the frequency range 0,5 MHz to 5 MHz**
This International Standard is applicable to ultrasonic equipment designed for physiotherapy consisting of an ultrasonic transducer generating continuous or quasi-continuous wave ultrasonic energy in the frequency range 0.5 to 5 MHz. This International Standard only relates to ultrasonic physiotherapy equipment employing a single plane circular transducer per treatment head, producing static beams perpendicular to the face of the treatment head in accordance with present practice.

**EVS-EN 62083:2002**
Hind 229,00
Identne IEC 62083:2000
ja identne EN 62083:2001
**Medical electrical equipment - Part 2: Requirements for the safety of radiotherapy treatment planning systems**
This Standard applies to the design and manufacture and some installation aspects of an RTPS: - for use in radiotherapy treatment planning in human medical practice; - that import data either through input by the operator or directly from other devices; - that output data either in printed form for review or directly to other devices; - and intended to be: - for normal use, under the authority of appropriately licensed or qualified persons, by operators having the required skills and training; - maintained in accordance with the recommendations given in the instructions for use; and - used within the environmental and electrical supply conditions specified in the technical description.

**EVS-EN 60601-2-1:2002**
Hind 306,00
Identne IEC 60601-2-1:1998+ A1:2002
ja identne EN 60601-2-1:1998+ A1:2002
**Medical electrical equipment - Part 2-1: Particular requirements for the safety of electron accelerators in the range of 1 MeV to 50 MeV**
This Particular Standard, with the inclusion of TYPE TESTS and SITE TESTS, applies respectively to the manufacture and some installation aspects of ELECTRON ACCELERATORS - intended for RADIOTHERAPY in human medical practice, including those in which the selection and display of operating parameters can be controlled automatically by PROTRAMMABLE ELECTRONIC SUBSYSTEMS (PESS), -that, under normal conditions (NC) and in normal use, deliver a radiation beam of X-radiation and or ELECTRON RADIATION having - NOMINEL ENERGY in the range 1 MeV to 50 MeV, - MAXIMUM ABSORBED DOSE 3) RATED BETWEEN 0,001 Gy s-1 and 1 Gy s-1 at 1 m from the RADIATION SOURCE, - NORMAL TREATMENT DISTANCES (NTDS) between 0,5 m and 2 m from the RADIATION SOURCE, and intended to be for normal use, operated under the authority of appropriately licensed or QUALIFIED PERSONS by OPERATORS having the required skills for a particular medical application, for particular specified clinical purposes, e.g. STATIONARY RADIOTHERAPY or MOVING BEAM RADIOTHERAPY, - maintained in accordance with the recommendations given in the INSTRUCTIONS FOR USE, - subject to regular quality assurance performance and calibration checks by a QUALIFIED PERSON and - used within the environmental and electrical supply conditions specified in the technical description. It also applies to

**EVS-EN 60601-2-5:2002**
Hind 139,00
Identne IEC 60601-2-5:2000
ja identne EN 60601-2-5:2000
**Medical electrical equipment - Part 2-5: Particular requirements for the safety of ultrasonic physiotherapy equipment**
Specifies requirements and tests for the safety of ultrasonic physiotherapy equipment. The aim of this second edition is to bring this particular standard up to date with reference to publications IEC 60601-1 (1988) including the amendments 1 (1991) and 2 (1995), IEC 60601-1-2 (1993) and IEC 61689 (1996).

**EVS-EN 60601-2-10:2002**
Hind 199,00
Identne IEC 60601-2-10:1987+ A1:2001
ja identne EN 60601-2-10:2000+ A1:2001
**Medical electrical equipment - Part 2-10: Particular requirements for the safety of nerve and muscle stimulators**
Specifies particular requirements for the safety of electrical stimulators of muscles and nerves in the specialized practice of physical medicine. It excludes stimulators used with implanted electrodes, brain stimulation, neurological research, cardiac pacemakers, defibrillators and other surgical procedures.

**EVS-EN 60601-2-29:2002**
Hind 229,00
Identne IEC 60601-2-29:1999
ja identne EN 60601-2-29:1999

**Medical electrical equipment - Part 2-29: Particular requirements for the safety of radiotherapy simulators**
This particular standard applies to radiotherapy simulators which use diagnostic X-ray equipment to simulate physically a radiotherapy radiation beam, so that the treatment volume to be subjected to irradiation during radiotherapy can be localized, and the position and size of the radiotherapy radiation field can be confirmed. - intended exclusively for radiotherapy simulation as a prelude to intended radiotherapy, and not for any other purpose such as general

## 11.040.70 Silmaraviseadmed

Ophthalmic equipment

### UUED STANDARDID

**EVS-EN 14139:2002**
Hind 66,00
Identne EN 14139:2002
**Ophthalmic optics - Specifications for ready-to-wear spectacles**
This European Standard specifies the minimum requirement for complete ready-to-wear spectacles. These are not intended for regular use without the approval of an eye-care professional.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 25656
Tähtaeg: 2003-03-01
Identne ISO 11979-6:2002
ja identne EN 13503-6:2002
**Ophthalmic implants - Intraocular lenses - Part 6: Shelf-life and transport stability**
This part of EN 13503 specifies tests by which the shelf-life of sterile intraocular lenses (IOLs) in their final packaging can be determined. These tests include procedures to establish the stability of IOLs in distribution and storage

## 11.040.99 Muud meditsiiniseadmed

Other medical equipment

### UUED STANDARDID

**EVS-EN 60601-2-39:2002**
Hind 109,00
Identne IEC 60601-2-39:1999
ja identne EN 60601-2-39:1999
**Medical electrical equipment - Part 2-39: Particular requirements for the safety of peritoneal dialysis equipment**
This particular standard specifies the minimum safety requirements for peritoneal dialysis equipment (as defined in Sub-clause 2.1.102) hereinafter referred to as equipment. These devices are intended for use either by medical staff or under the supervision of medical expertise, including peritoneal dialysis equipment operated by the patient. These particular requirements do not apply to dialysing solution, the tubing set, or to equipment solely intended for use as continuous ambulatory peritoneal dialysis equipment.

**EVS-EN 60601-2-41:2002**
Hind 190,00
Identne IEC 60601-2-41:2000
ja identne EN 60601-2-41:2000
**Medical electrical equipment - Part 2-41: Particular requirements for the safety of surgical luminaires and luminaires for diagnosis**
This particular standard details the requirements to be applied to surgical luminaires and luminaires for diagnosis as defined in clauses 2.101 through 2.104, hereinafter referred to as EQUIPMENT.

## 11.080 Steriliseerimine

Sterilization and disinfection

### UUED STANDARDID

**EVS-EN 61010-2-045:2002**
Hind 212,00
Identne IEC 61010-2-045:2000
ja identne EN 61010-2-045:2000
**Safety requirements for electrical equipment for measurement control and laboratory use - Part 2-045: Particular requirements for washer-disinfectors used in medical, pharmaceutical, veterinary and laboratory fields**
This Standard applies to washer disinfectors and other equipment incorporating washing and disinfection processes for the treatment of soiled items used in the medical, veterinary, pharmaceutical, and laboratory fields. NOTE - This equipment may have one or more chambers and a loading and unloading system.

## 11.080.10 Steriliseerimisvahendid

Sterilizing equipment

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55079
Tähtaeg: 2003-03-01
Identne prEN 285:2002
**Sterilization - Steam sterilizers - Large sterilizers**
This European Standard specifies requirements and the relevant tests for large steam sterilizers primarily used in health care for the sterilization of one or more sterilization modules. The test loads described in this standard are selected to represent the majority of loads (i. e. wrapped goods consisting of metal, rubber and porous materials) for the evaluation of general purpose steam sterilizer for medical devices. However, specific loads (e. g. heavy metal objects or extreme long lumen) will require the use of other test loads

## 11.120.20 Ravitarbed. Kirurgiasidemed

Medical materials.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55150
Tähtaeg: 2003-03-01
Identne prEN 13726-3:2002
**Non-active medical devices - Test methods for primary wound dressings - Part 3: Waterproofness**
This European Standard describes a test method for the evaluation of waterproofness of primary wound dressings when such claims are made

prEVS 55151
Tähtaeg: 2003-03-01
Identne prEN 13726-4:2002
**Non-active medical devices - Test methods for primary wound dressings - Part 4: Conformability**
This European Standard describes a test method for measuring aspects of conformability of primary wound dressings

## 11.140
## Haiglavarustus

Hospital equipment

### UUED STANDARDID

**EVS-EN 13795-1:2002**
Hind 109,00
Identne EN 13795-1:2002
**Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical stuff and equipment - Part 1: General requirements for manufacturers, processors and products**
EN 13795-1 specifies information to be supplied, in addition to the usual labelling of medical devices, concerning manufacturing and proccessing requirements. This standard gives general guidance on the characteristics of single-use and reusable surgical gowns, surgical drapes and clean air suits used as medical devices for patients, clinical staff and equipment.

**EVS-EN 60601-2-46:2002**
Hind 130,00
Identne IEC 60601-2-46:1998
ja identne EN 60601-2-46:1998
**Medical electrical equipment - Part 2-46: Particular requirements for the safety of operating tables**
In addition to the General Standard this Particular Standard specifies safety requirements for operating tables, as defined in 2.12.101, whether or not having electrical parts, including transporters as defined in 2.12.104, used for the transportation ot the table top to or from the base or pedestal of an operating table with detachable table top. It does not apply to dental patient chair, examination chairs and couches, patient-supporting systems of diagnostic and therapeutic devices, operating table heating blankets, patient transfer equipment, delivery tables and beds, hospital beds and field tables.

## 11.160
## Esmaabi

First aid

### UUED STANDARDID

**EVS-EN 13718-1:2002**
Hind 130,00
Identne EN 13718-1:2002
**Air, water and difficult terrain ambulances - Part 1: Medical device interface requirements for the continuity of patient care**
This European Standard specifies minimum performance requirements for interfaces of medical devices used within air, water, and difficult terrain ambulances. Exclusions: the standard specifically excludes consideration of the design and ergonomic requirements of the vehicle or craft. Specific requirements for permanent outdoor use and storage of medical devices are excluded from this standard

**EVS-EN 13718-2:2002**
Hind 146,00
Identne EN 13718-2:2002
**Air, water and difficult terrain ambulances - Part 2: Operational and technical requirements for the continuity of patient care**
This European Standard specifies minimum requirements for dedicated ambulance services covering air, water, and difficult terrain vehicles and craft in particular

## 11.180
## Puuetega inimeste abivahendid

Aids for disabled or handicapped persons

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55324
Tähtaeg: 2003-03-01
Identne ISO/DIS 16201:2002
ja identne prEN ISO 16201:2002
**Technical aids for disabled persons - Requirements and test methods for environmental control systems**
This European standard specifies functional and technical requirements and test methods for environmental control systems intended for use to alleviate or compensate for a handicap

## 13.020.20
## Keskkonnaökonoomika

Environmental economics

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39808
Tähtaeg: 2003-03-01
Identne prEN 13439:2002
**Packaging - Rate of energy recovery - Definition and method of calculation**
Packaging - Rate of energy recovery - Definition and method of calculation

## 13.030.50
## Taaskasutus

Recycling

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39807
Tähtaeg: 2003-03-01
Identne prEN 13437:2002
**Packaging and material recycling - Criteria for recycling methods - Description of recycling processes and flow chart**
This European Standard defines the criteria for a recycling process and describes the principal existing processes for material recycling and their inter-relationship. Both packaging and recovery technologies are subject to continuing and rapid development. This European Standard describes the present stage of knowledge but may be subject to modifications in the light of new developments
prEVS 39810
Tähtaeg: 2003-03-01
Identne prEN 13440:2002
**Packaging - Rate of recycling - Definition and method of calculation**
This European Standard establishes a methodology for the calculation of the rate of recycling of packaging and packaging material

## 13.040.99
## Muud õhu kvaliteediga seotud standardid

Other standards related to air quality

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55166
Tähtaeg: 2003-03-01
Identne prEN 13419-1:2002
**Building products - Determination of the emission of volatile organic compounds - Part 1: Emission test chamber method**

This standard specifies a general laboratory test method for determination of the area specific emission rate of volatile organic compounds (VOCs) from newly produced building products under defined climate conditions. The method can also, in principle, be applied to aged products. The emission data obtained can be used to calculate concentrations in a model room
prEVS 55167
Tähtaeg: 2003-03-01
Identne prEN 13419-2:2002
**Building products - Determination of the emission of volatile organic compounds - Part 2: Emission test cell method**
This standard specifies a general laboratory test method for determination of the area specific emission rate of volatile organic compounds (VOCs) from newly produced building products under defined climate conditions. The method can in principle also be applied to aged products. The emission data obtained can be used to calculate concentrations in a model room
prEVS 55168
Tähtaeg: 2003-03-01
Identne prEN 13419-3:2002
**Building products - Determination of the emission of volatile organic compounds - Part 3: Procedure for sampling, storage of samples and preparation of test specimens**
Studies of the emission of volatile organic compounds from unused building products in test chambers or cells require proper handling of the product prior to testing, and during the testing period

## 13.060.20
## Joogivee kvaliteet

Drinking water

### UUED STANDARDID

**EVS-EN 12729:2002**
Hind 66,00
Identne EN 12729:2002
**Devices to prevent pollution by backflow of potable water - Controllable backflow preventer with reduced pressure zone - Family B - Type A**
This European Standard specifies the field of application, the dimensional, the physico-chemical, the design, the hydraulic, the mechanical, and the acoustic characteristics of controllable backflow preventer with reduced pressure zone Family B Type A

## 13.060.70
## Vee bioloogiliste omaduste määramine

Examination of biological properties of water

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55152
Tähtaeg: 2003-03-01
Identne prEN 13946:2002
**Water quality - Guidance standard for the routine sampling and pretreatment of benthic diatoms from rivers**
This guidance European Standard establishes a method for the sampling and laboratory preparation of benthic diatoms for water quality assessments. Data produced by this method are suitable for production of water quality indices based on the relative abundance of taxa. With appropriate modifications the method can be applied to the study of benthic diatoms in lakes

## 13.110
## Masinate ohutus

Safety of machinery

### UUED STANDARDID

**EVS-EN 60073:2002**
Hind 170,00
Identne IEC 60073:2002
ja identne EN 60073:2002
**Basic and safety principles for man-machines interface, marking and identification - Coning principles for indication devices and actuators**
This International Standard establishes general rules for assigning particular meanings to certain visual, acoustic and tactile indications in order to - increase the safety of persons, property and/or the environment through the safe monitoring and control of the equipment or process; - faciliate the proper monitoring, control and maintenance of the equipment or process; - facilitate the rapid recognition of control conditions and actuator positions.
**EVS-EN 60204-11:2002**
Hind 295,00
Identne IEC 60204-11:2000
ja identne EN 60204-11:2000
**Safety of machinery - Electrical equipment of machines - Part 11: Requirements for HV equipment for voltages above 1000 V a.c. or 1500 V d.c. and not exceeding 36 kV**
This part of IEC 60204 applies to the application of electrical and electronic equipment and systems to machines, including a group of machines working together in a co-ordinated manner, but excluding higher level system aspects (i.e., communications between systems).

## 13.120
## Ohutus kodus

Domestic safety

### UUED STANDARDID

**EVS-EN 60335-2-21:2001/A11:2002**
Hind 49,00
Identne EN 60335-2-21:1999/A11:2002
**Safety of household and similar electrical appliances - Part 2: Particular requirements for storage water heaters**
This standard applies to stationary non-instantaneous storage water heaters intended for heating water to a temperature below its boiling point. Water heaters may be thermally insulated for long-term storage or uninsulated for temporary storage of hot water. Water heaters not intended for normal household use, but which nevertheless may be a source of danger to the public, such as water heaters intended to be used in shops, in light industri and on farms, are within the scope of this standard.
**EVS-EN 60335-2-41:2001/A1:2002**
Hind 66,00
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.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55172
Tähtaeg: 2003-02-01
Identne IEC 60335-1:2001
ja identne EN 60335-1:2002
**Household and similar electrical appliances - Safety - Part 1: General requirements**
Deals with the safety of electrical appliances for household and similar purposes. It deals with the common hazards presented by appliances that are encountered by all persons in and around the home. It also covers appliances used by laymen in shops, in light industry and on farms (such as catering equipment, and industrial and commercial cleaning appliances). The rated voltage of the appliances are not more than 250 V for single-phase appliances and 480 V for other appliances.

## 13.160 Vibratsiooni ja löögi toime inimesele

Vibration and shock with respect to human beings

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 15907
Tähtaeg: 2003-03-01
Identne prEN 1032:2002
**Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission**
This European Standard specifies the determination of whole-body and hand-arm vibration emissions at operator position(s) during testing of mobile machinery. The purpose of this European Standard is to assist technical standardization committees responsible for specific types of machinery in preparing vibration test codes to ensure that such vibration test codes are as homogeneous as possible with each individual test code having the same basic structure; are in full accordance with basic standards on measurement of vibration emission

## 13.200 Avariide ja õnnetuste vältimine

Accident and disaster control

### UUED STANDARDID

**EVS-EN 50073:2002**
Hind 179,00
Identne EN 50073:1999
**Guide for selection, installation, use and meaintenance 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.

## 13.220.01 Tuleohutus üldiselt

Protection against fire in general

### UUED STANDARDID

**EVS-HD 384.4.482 S1:2002**
Hind 75,00
Identne HD 384.4.482 S1:1997
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 48: Choice of protective measures as a function of external influences - Section 482: Protection against fire where particular risks or danger exist**
Selection and erection of installations on locations with risks of fire due to the nature of processed or stored materials like the manufacturing, processing, storage of combustible materials, including the accumulation of dust as in barns, woodworking factories, paper mills, textile factories or similar.

## 13.220.20 Tulekaitsevahendid

Fire protection

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 35043
Tähtaeg: 2003-02-01
Identne EN 50264-1:2002
**Railway applications -Railway rolling stock cables having special fire performance - Standard wall - Part 1: General requirements**
Part 1 of EN 50264 specifies the general requirements applicable to the cables given in part 2 and part 3 of EN 50264. It includes the detailed requirements for the insulating and sheathing materials and other components called up in the separate parts. In particular EN 50264-1 specifies those requirements relating to fire safety which enable the cables to satisfy Hazard Levels 2, 3 and 4 of EN 45545-1.
prEVS 35045
Tähtaeg: 2003-02-01
Identne EN 50264-2:2002
**Railway applicactions - Railway rolling stock cables having special fire performance - Standard wall - Part 2: Single core cables**
Part 2 of EN 50264 specifies requirements for, and constructions and dimensions of, single core cables of the following types and voltage ratings: 0,6/1 kV unscreened, unsheathed (1 mm2 to 400 mm2), 1,8/3 kV unscreened, unsheathed (1,5 mm2 to 400 mm2), 1,8/3 kV unscreened sheathed (1,5 mm2 to 400 mm2), 3,6/6 kV unscreened, sheathed (2,5 mm2 to 400 mm2). All cables have class 5 tinned copper conductors to HD 383, halogen-free insulation and where applicable halogen-free sheath.
prEVS 35048
Tähtaeg: 2003-02-01
Identne EN 50264-3:2002
**Railway applicactions - Railway rolling stock cables having special fire performance - Standard wall - Part : Multicore cables**
Part 3 of EN 50264 specifies requirements for, and constructions and dimensions of, multicore cables of the following types and voltage ratings: 300 V/500 V Screened or unscreened

(1 mm 2 , 1,5 mm 2 and 2,5 mm 2, number of cores from 2 to 40) - 0,6 kV/1 kV Screened or unscreened, (1 mm 2 to 50 mm 2 , 2, 3 and 4 core)
prEVS 55199
Tähtaeg: 2003-02-01
Identne EN 50305:2002
**Railway applications -Railway rolling stock cables having special fire performance -Test methods**
This standard specifies special test methods applicable to cables, and their constituent insulating and streathing materials, for use of railway rolling stock. Such cables are specified in the various parts of EN 50264 and EN 50306

## 13.220.40 Materjalide ja toodete süttivus ning põlemislaad

Ignitability and burning behaviour of materials and products

### UUED STANDARDID

**EVS-EN 50200:2002**
Hind 155,00
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.

**EVS-EN 60707:2002**
Hind 117,00
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/m3, 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 is 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.

**EVS-EN 60695-8-1:2002**
Hind 155,00
Identne IEC 60695-8-1:2001
ja identne EN 60695-8-1:2001
**Fire hazard testing - Part 8-1: Heat release - General Guidance**
Provides guidance in the assessment of heat release form electrotechnical products and materials from which they are constructed.

**EVS-EN 60695-9-1:2002**
Hind 126,00
Identne IEC 60695-9-1:1998
ja identne EN 60695-9-1:1999
**Fire hazard testing - Part 9-1: Surface spread of flame - General Guidance**
This part of IEC 60695 provides guidance in the assessment of surface spread of flame for the electrotechnical products and materials from which they are formed.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55108
Tähtaeg: 2003-02-01
Identne IEC 60695-1-30:2002
ja identne EN 60695-1-30:2002
**Fire hazard testing - Part 1-30: Guidance for assessing the fire hazard of electrotechnical products - Use of preselection testing procedures**
This part is intended to provide: a) generic guidance; and b) guidance for assessing the significance, relevance and limitations of the data from preselection fire tests compared to the data from fire tests that provide input for hazard assessment. Priority is given to fire hazard assessment tests made on the final end-product; however, in certain cases preselection tests may be agreed upon for practical reasons. Examples of test methods which contain combustion characteristics tests specified in the international test methods of IEC and ISO are listed in annex A. Has the status of a basic safety publication in accordance with IEC Guide 104.
prEVS 55346
Tähtaeg: 2003-02-01
Identne IEC 829:1988
ja identne HD 541 S1:1991
**Methods of test for the determination of the initability of solid electrical insulating materials when exposed to electrically heated wire sources**
Methods of test for the determination of the initability of solid electrical insulating materials when exposed to electrically heated wire sources

## 13.220.50 Ehitusmaterjalide ja -elementide tulepüsivus

Fire-resistance of building materials and elements

### UUED STANDARDID

**EVS 812-1:2002**
Hind 179,00
Identne EVS 812-1:2002
**Ehitiste tuleohutus. Osa 1: Sõnavara**
Käesolev standard sätestab ehitusliku tuleohutuse mõisted.

**EVS 812-2:2002**
Hind 155,00
Identne EVS 812-2:2002
**Ehitiste tuleohutus. Osa 2: Ventilatsioonisüsteemid ja suitsueemaldus**
Käesolev standard sätestab tuleohutusnõuded ehitiste ventilatsiooni- ja siutsueemaldussüsteemide projekteerimisele, ehitamisele ja ekspluatatsioonile.

**EVS 812-3:2002**
Hind 170,00
Identne EVS 812-3:2002
**Ehitiste tuleohutus. Osa 3: Küttesüsteemid**
Käesolev standard käsitleb ehitiste kütmiseks, auru tootmiseks ja kütuse hoidmiseks ettenähtud ruumide ja seadmete tuleohutust.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 31015
Tähtaeg: 2003-03-01
Identne prEN 14600:2002
**Fire resisting and/or smoke control doorsets and operable windows - Requirements and classification**
This European Standard specifies only the performance and durability requirements and methods of test and classification for both manually operated and power operated fire resisting doorsets and shutter assemblies

and operable windows, and smoke control doorsets and shutter assemblies which are either: - opening and self closing as a normal mode of operation, or - normally held open but self closing in case of fire or smoke, or - normally maintained locked in the closed position
prEVS 52759
Tähtaeg: 2003-02-01
Identne EN 13501-1:2002
**Fire classification of construction products and building elements - Part 1: Classification using test data from reaction to fire tests**
This European Standard providesthe reaction to fire classification procedure for all construction products, including products incorporated within building elements. Products are considered in relation to their end use application. This document applies to two categories, which are treated separately in this European Standard: - construction products, excluding floorings; - floorings.

## 13.230 Plahvatusohutus

Explosion protection

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55169
Tähtaeg: 2003-03-01
Identne prEN 13463-2:2002
**Non-electrical equipment intended for use in potentially explosive atmospheres - Part 2: Protection by flow restricting enclosure fr**
This European Standard specifies the requirements for the construction and testing of flow restricting enclosures for non-electrical equipment intended for use in potentially explosive atmospheres if the atmosphere outside the enclosure becomes explosive rarely and for short durations only
prEVS 55171
Tähtaeg: 2003-03-01
Identne prEN 14591-1:2002
**Explosion prevention and protection in underground mining - Protective systems - Part 1: 2-bar explosion-proof ventilation structure**
This standard applies to air shutter frames and air doors for ventilation structures which are to remain functional after the passage of explosions with overpressures of up to 2 bar. Ventilation structures of this type serve to provide a stable ventilation flow after the occurrence of an explosion such that the effects of an explosion on the ventilation system can be limited and adequate possibilities remain for escape and rescue

## 13.260 Elektrilöögikaitse

Protection against electric shock

### UUED STANDARDID

**EVS-EN 61140:2002**
Hind 259,00
Identne IEC 61140:2001
ja identne EN 61140:2002
**Protection against electric shock - Common aspects for installation and equipment**
Applies to the protection of persons and animals against electric shock. It is intended to give fundamental principles and requirements which are common to electrical installations, systems and equipment or necessary for their co-ordination. Prepared for installations, systems and equipment without a voltage limit. NOTE - There are some clauses in this standard which refer to low-voltage and high-voltage systems, installations and equipment. For the purpose of this standard, low - voltage is any rated voltage up to and including 1 000 V a.c. or 1 500 V d.c. High voltage is any rated voltage exceeding 1 000 V a.c. or 1 500 V d.c. The requirements of this standard apply only if they are incorporated, or are referred to, in the relevant standards. It is not intended to be used as a stand-alone standard. Has the status of a basic safety publication in accordance with IEC Guide 104.

**EVS-EN 61219:2002**
Hind 272,00
Identne IEC 61219:1993
ja identne EN 61219:1993
**Live working - Earthing or earthing and short-circuiting equipment using lances as a short-circuiting device - Lance earthing**
This European Standard applies to equipment for temporary earthing or earthing and short-circuiting of electrically isolated parts of a.c. installations, the disconnection of which has been verified, for the protection of workers while work is in progress using lance(s) as the earthing or earthing and short-circuiting device.

**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.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55208
Tähtaeg: 2003-02-01
Identne EN 50365:2002
**Electrically insulating helmets for use on low voltage installations**
This standard is applicable to elecrically insulating helmets used for working live or close to live parts on installations not exceeding 1000 V a.c. or 1500 V d.c.
prEVS 55336
Tähtaeg: 2003-02-01
Identne IEC 61479:2001/A1:2002
ja identne EN 61479:2001/A1:2002
**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 eathed electrical conductors and for the avoidance of short circuits during live working.
prEVS 55450
Tähtaeg: 2003-02-01
Identne IEC 61484:2001/ A1:2002
ja identne EN 61481:2001/ A1:2002

**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.

## 13.280
## Kiirguskaitse

### Radiation protection

### UUED STANDARDID

**EVS-EN 50371:2002**
Hind 75,00
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.

**EVS-EN 60976:2002**
Hind 146,00
Identne IEC 60976:1989+A1:2000
ja identne EN 60976:1999+A1:2000
**Medical electrical equipment - Medical electron accelerators - Functional performance characteristics**
This standard applies to medical electron accelerators when used, for therapy purposes, in human medical practice. This standard applies to electron accelerators which deliver a radiation beam of either X-radiation or electron radiation with nominal energies in the range 1 MeV to 50 MeV at maximum absorbed dose rates between 0,001 Gy s-1 and 1 Gy s-1 at 1 m from the radiation source and at normal treatment distances between 50 cm and 200 cm from the radiation source.

**EVS-EN 60825-1:2001/A2:2002**
Hind 229,00
Identne IEC 60825-1:1993/A2:2001
ja identne EN 60825-1:1994/A2:2001
**Safety of laser products. Part 1: Equipment classification, requirements and user's guide**
Deals with the safety of laser products. Covers laser radiation in the wavelength range 180 mm to 1 mm, indicates safe working levels of laser radiation and introduces a system of classification of lasers and laser products according to their degree of hazard. Replaces IEC 825 (1984) and IEC 820 (1986).

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55331
Tähtaeg: 2003-02-01
Identne IEC 60825-1:1993/A1:1997
ja identne EN 60825-1:1994/A1:2002
**Safety of laser products. Part 1: Equipment classification, requirements and user's guide**
Deals with the safety of laser products. Covers laser radiation in the wavelength range 180 mm to 1 mm, indicates safe working levels of laser radiation and introduces a system of classification of lasers and laser products according to their degree of hazard. Replaces IEC 825 (1984) and IEC 820 (1986).

prEVS 55339
Tähtaeg: 2003-02-01
Identne IEC 60825-4:1997/A1:2002
ja identne EN 60825-4:1997/A1:2002
**Safety of laser products - Part 4: Laser guards**
This standard specifies the requirements for Laser Guards, permanent and temporary (e.g. for service), that enclose the process zone of a Laser Processing Machine and specifications for Proprietary Laser Guards.

## 13.300
## Kaitse ohtlike kaupade eest

### Protection against dangerous goods

### UUED STANDARDID

**EVS-EN 1089-2:2002**
Hind 92,00
Identne EN 1089-2:2002
**Transportable gas cylinders - Gas cylinder identification (excluding LPG) - Part 2: Precautionary labels**
This European Standard specifies the design, content, i.e. hazard symbols and text, and application of precautionary labels intended for use on the shoulders of individual gas cylinders containing single gases or gas mixtures or immediately below (maximum 50 mm from the rounded part). Labels for bundles of cylinders and for LPG cylinders are not covered by this standard.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55325
Tähtaeg: 2003-03-01
Identne prEN 14595:2002
**Tanks for transport of dangerous goods - Service equipment for tanks - Pressure and vaccum breather vent**
This European standard covers the pressure and vacuum breather vent used to ensure normal tank compartment breathing. It specifies the performance requirements and the critical dimensions of the pressure and vacuum breather vent. It also specifies the tests necessary to verify the compliance of the equipment with this standard

## 13.310
## Kaitse kuritegevuse vastu

### Protection against crime

### UUED STANDARDID

**EVS 809-1:2002**
Hind 212,00

Identne EVS 809-1:2002
**Kuritegevuse ennetamine. Linnaplaneerimine ja arhitektuur. Osa 1: Linnaplaneerimine**
Standard toob ära erinevaid kuriteo riski ja/või kuriteohirmu hindamise meetodeid ning nende riskide vähendamise vahendeid, menetlusi ja tegevuskavu.
Projekteerimisjuhendid erinevate kuriteoprobleemide ennetamiseks või nende vastu võitlemiseks on esitatud elukeskkonna tüüpide kaudu. Esitatud on ka järjepidevad tegevuskavad kõikide linnaplaneerimise ja kuritegevuse ennetamisega seotud osapoolte ning teiste, peamiselt piirkondliku ja kohaliku võimu esindajad ja elanikud, kaasamiseks ametkondadevahelisse kuritegevuse ennetamise ja kuritegevuse hirmu vähendamise tegevusse.

**EVS-EN 50131-6:2002**
Hind 179,00
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.

**EVS-EN 50132-5:2002**
Hind 170,00
Identne EN 50132-5:2001
**Alarm systems - CCTV surveillance systems for use in security applications - Part 5: Video transmission**
This standard specifies the minimum requirements for the specification and testing of the performance of a video transmission channel involving transmitter, receiver or intermediate devices associated with the selected transmission media, for use in CCTV surveillance systems.

**EVS-EN 50132-4-1:2002**
Hind 199,00
Identne EN 50132-4-1:2001
**Alarm systems - CCTV surveillance systems for use in security applications - Part 4-1: Black and white monitors**
This standard specifies the minimum requirements for the specification and testing of black and white video monitors used in 625-line CCIR standard closed circuit television (CCTV) surveillance systems for security applications.

## 13.320 Häire- ja hoiatussüsteemid

## Alarm and warning systems

## UUED STANDARDID

**EVS-EN 50244:2002**
Hind 101,00
Identne EN 50244:2000
**Electrical apparatus for the detection of combustible gases in domestic premises - Guide on the selection, installation, use and maintenance**
This guide is intended to provide information on the selection, installation, use and maintenance of apparatus for the detection of combustible gas designed for continous operation in a fixed installation in domestic premises as described in prEN 50194. This guide should be read in conjunction with any additional relevant national or local regulations.

**EVS-EN 50130-5:2002**
Hind 170,00
Identne EN 50130-5:1998
**Alarm systems - Part 5: Environmental test methods**
This standard specifies environmental test methods to be used for testing the system components of the following alarm systems, intended for use in and around buildings: Intruder alarm systems, hold-up alarm systems, social alarm systems, CCTV systems for security applications, access control systems for security applications. This standard specifies three equipment classes (Fixed, Movable & Portable equipment) and four environmental classes.

**EVS-EN 50132-7:2002**
Hind 155,00
Identne EN 50132-7:1996
**Alarm systems - CCTV surveillance systems for use in security applications - Part 7: Application guidelines**
This standard gives recommendations for the selection, planning and installation of closed circuit television systems comprising of camera(s) with monitor(s) and/or video recorder(s), switching, control and ancillary equipment for use in security applications.

**EVS-EN 50133-1:2002**
Hind 170,00
Identne EN 50133-1:1996
**Alarm systems - Access control systems for use in security applications - Part 1: System requirements**
This standard specifies requirements for automated access control systems and components in and around buildings. It includes: - system architecture and general requirements of an access control system for security applications; - requirements for functions; - definition of the environmental and electromagnetic compatibility conditions; - requirements for communication of an access control with others, such as access point actuators and sensors, alarm system, etc. The standard does not apply to access point actuators and sensors.

**EVS-EN 50133-7:2002**
Hind 101,00
Identne EN 50133-7:1999
**Alarm systems - Access control systems for use in security applications - Part 7: Application guidelines**
This standard provides guidelines for the application of an automated access control system and components in and around buildings based upon the EN 50133 series of standards. It covers system design, installation, handover, operation and maintenance of access control systems. The guidelines are intended for access control systems for use in security applications. They cover systems ranging from a simple single access point up to complex multiple access point systems.

**EVS-EN 50134-2:2002**
Hind 170,00
Identne EN 50134-2:1999

**Alarm systems - Social alarm systems - Part 2: Trigger devices**
This Standard specifies the requirements and tests for manually-activated trigger devices forming part of a social alarm system.

**EVS-EN 50134-3:2002**
Hind 170,00
Identne EN 50134-3:2001
**Alarm systems - Social alarm systems - Part 3: Local unit and controller**
This part of the Standard describes the functions of, and gives minimum requirements for design, function and testing for the local unit and controller forming part of the social alarm system, as described in the requirements section of this standard.

**EVS-EN 50134-7:2002**
Hind 83,00
Identne EN 50134-7:1996
**Alarm systems - Social alarm systems - Part 7: Application guidelines**
This standard provides recommendations to service providers (and their sub-contractors) for effective and efficient management policy and procedures for installing, testing, operating and maintaining a social alarm system, including technical facilities and organizing assistance.

**EVS-EN 50133-2-1:2002**
Hind 83,00
Identne EN 50133-2-1:2000
**Alarm systems - Access control systems for use in security applications - Part 2-1: General requirements for components**
This standard provides general requirements for the components for an automated Access Control System based upon the EN 50133 as detailed in EN 50133-1 section 4.2. This standard does not define component functionality as this is detailed in EN 50133-1. The manufacturer shall desribe the functions embodied within the component(s) submitted for certification and fulfil the appropriate requirements as detailed in EN 50133-1.

**EVS-EN 50136-1-1:2002**
Hind 130,00
Identne EN 50136-1-1:1998+ A1:2001
**Häiresüsteemid. Häireedastussüsteemid ja -seadmed. Osa1 1-1: Üldnõuded häireedastussüsteemidele**
This standard specifies the general requirements for the performance, reliability and security characteristics of alarm transmission systems. It covers the general requirements for connections providing signalling between an alarm system and an alarm receiving centre. EN 50136 shall apply for transmission of all types of alarms; fire, intrusion, access control social alarm etc. Different type of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages.

**EVS-EN 50136-1-2:2002**
Hind 66,00
Identne EN 50136-1-2:1998
**Alarm systems - Alarm transmission systems and equipment - Part 1-2: Requirements for systems using dedicated alarm paths**
This standard specifies the requirements for alarm transmission systems utilising dedicated alarm transmission paths which are additional to those specified in EN 50136-1-1. The alarm transmission system may utilise wired links (e.g. DC or a modulated signal over a twisted pair cable), voice grade signalling links or data links and may include multiplexers or message processors. The standard is also applicable to alarm transmission systems in which signalling links are shared with other services.

**EVS-EN 50136-1-3:2002**
Hind 66,00
Identne EN 50136-1-3:1998
**Alarm systems - Alarm transmission systems and equipment - Part 1-3: Requirements for systems with digital communicators using the public switched telephone network**
This standard specifies the requirements for digital communicator systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-1-1. It covers switched connections providing event driven signalling between an alarm system and a remote centre. The information will be transmitted using digitized signals to automatic receiving centre transceivers at remote centres. A facility may be included to provide an audio channel.

**EVS-EN 50136-1-4:2002**
Hind 66,00
Identne EN 50136-1-4:1998
**Alarm systems - Alarm transmission systems and equipment - Part 1-4: Requirements for systems with voice communicators using the public switched telephone network**
This standard specifies the requirements for voice communicator systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-1-1. It covers switched connections providing event driven signalling between an alarm system and a remote centre. The information will be transmitted by using a stored voice message to one or more responsible persons and/or to an alarm receiving centre succesively.

**EVS-EN 50136-2-1:2002**
Hind 170,00
Identne EN 50136-2-1:1998+ A1:2001
**Häiresüsteemid. Häireedastussüsteemid ja -seadmed. Osa 2-1: Üldnõuded häireedastussüsteemidele**
This standard specifies the general requirements for alarm transmission equipment used in alarm transmission systems. This standard does not specify the equipment used to display the information at the alarm receiving centre or the installation of equipment. Additional requirements for specific types of alarm transmission equipment are given in separate documents as parts of this standard. This does not preclude the use of any alarm transmission equipment not covered by one of these specific documents, provided that it meets these general requirements.

**EVS-EN 50136-2-2:2002**
Hind 66,00
Identne EN 50136-2-2:1998
**Alarm systems - Alarm transmission systems and equipment - Part 2-2: Requirements for equipment used in systems using dedicated alarm paths**

This standard specifies the requirements for equipment used in alarm transmission systems utilising dedicated alarm transmission paths which are additional to those specified in EN 50136-2-1. The alarm transmission system may utilise wired links, voice grade signalling links or data links and may include multiplexers or message processors. The standard is also applicable to alarm transmission systems in which signalling links are shared with other services.

**EVS-EN 50136-2-3:2002**
Hind 75,00
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.

**EVS-EN 50136-2-4:2002**
Hind 75,00
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 comminicators systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-2-1.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55248
Tähtaeg: 2003-02-01
Identne EN 50134-1:2002
**Alarm systems -Social alarm systems - Part 1: System requirements**
This standard specifies the minimum requirements for a social alarm systems. For people with disabilities (e.g. visual and hearing impairment), additional requirements not covered in this series of standards may apply

## 13.340.10 Kaitserõivad

Protective clothing

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55332
Tähtaeg: 2003-02-01
Identne IEC 60984:1990/A1:2002
ja identne EN 60984:1992/A1:2002
**Sleeves of insulating material for live working**
Applies to insulating sleeves for the protection of workers from accidental contact with live electrical conductors, apparatus or circuits.

## 13.340.20 Pea kaitsevahendid

Head protective equipment

## UUED STANDARDID

**EVS-EN 169:2002**
Hind 109,00
Identne EN 169:2002
**Personal eye-protection - Filters for welding and related techniques - Transmittance requirements and recommended use**
This European standard specifies the scale numbers and transmittance requirements for filters intended to protect operators performing work involving welding, braze-welding, air-arc gouging and plasma jet cutting.

**EVS-EN 13819-2:2002**
Hind 101,00
Identne EN 13819-2:2002
**Hearing protectors - Testing - Part 2: Acoustic test methods**
This European Standard EN 13819 specifies acoustic test methods for hearing protectors. The purpose of these tests is to enable assessment of the performance of the hearing protector as specified in the appropriate product standard

**EVS-EN 61243-2:2002**
Hind 0,00
Identne IEC 61243-2:1995+A1:1999
ja identne EN 61243-2:1997+A1:2000
**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.

**EVS-EN 207:1999/A1:2002**
Hind 83,00
Identne EN 207:1998/A1:2002
**Personal eye-protection - Filters and eye-protectors against laser radiation (laser eye-protectors)**
Käesolev Euroopa standard kehtib vastavalt normdokumendi EN 60825 - 1:1994 määratlusele laserikiirguse eest kaitsvate silmakaitsevahendite kohta (s.t. LED (valgusdioodi) kiirgus kaasa arvatud) spektraalvahemikus 180 nm (0,18 µm) kuni 1000 µm. Standard määratleb nõuded, testimismeetodid ja märgistuse. Valiku- ja kasutusjuhis on esitatud lisas B. Normdokument EN 208 kehtib silmakaitsevahendite kohta laserite reguleerimisel.

**EVS-EN 208:1999/A1:2002**
Hind 66,00
Identne EN 208:1998/A1:2002
**Personal eye-protection - Eye-protectors for adjustment work on lasers and laser systems (laser adjustment eye-protectors)**
Käesolev Euroopa standard kehtib laserite reguleerimisel kasutatavate silmakaitsevahendite kohta. Nendeks on normdokumendi EN 60825 - 1:1994 määratluse kohaselt filtrid ja silmakaitsevahendid, mida kasutatakse laserite ja lasersüsteemide reguleerimisel (s.t. LED (valgusdioodi) kiirgus kaasa arvatud). Standard hõlmab nähtava spektri vahemikus 400 nm kuni 700 nm esinevat kiirgust. Käesolevas standardis esitatud filtrid vähendavad seda kiirgust 2. klassi laseritele ette nähtud väärtusteni (või CW (pidevtoimelaserite) korral 1 mW-ni). Sel juhul aitavad silmi kaitsta ka ärrituvusreaktsioonid, kaasa arvatud pilgutusrefleks. Käesolev standard määrab kindlaks

tehnilised andmed, testimismeetodid ja märgistuse. Valiku- ja kasutusjuhis on esitatud lisas B.

**EVS-EN 61243-2:2002/A2:2002**
Hind 66,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55208
Tähtaeg: 2003-02-01
Identne EN 50365:2002
**Electrically insulating helmets for use on low voltage installations**
This standard is applicable to elecrically insulating helmets used for working live or close to live parts on installations not exceeding 1000 V a.c. or 1500 V d.c.
prEVS 55316
Tähtaeg: 2003-03-01
Identne prEN 14052:2002
**High performance industrial helmets**
This European Standard specifies physical, performance, test and marking requirements for high performance industrial helmets. High performance industrial helmets, as specified in this European standard, are intended to provide to the wearer protection against falling objects and lateral impacts and consequential brain injury, skull fracture and neck injury

## 13.340.30 Respiraatorid

Respiratory protective devices

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 7955
Tähtaeg: 2003-03-01
Identne prEN 14593-1:2002
**Respiratory protective devices - Compressed air line breathing apparatus with demand valve - Part 1: Apparatus with a full face mask - Requirements, testing, marking**
This European Standard specifies minimum requirements for compressed air line breathing apparatus with demand valve for use with a full face mask as a respiratory protective device. Escape and diving apparatus and apparatus used in abrasive blasting operations without additional protective features are not covered by this standard, although certain requirements addressing the use in conjunction with escape apparatus and escape conditions are given
prEVS 16501
Tähtaeg: 2003-03-01
Identne prEN 14594:2002
**Respiratory protective devices - Continuous flow compressed air line breathing apparatus - Requirements, testing, marking**
This European Standard specifies minimum requirements for continuous flow compressed air line breathing apparatus for use with a full face mask, half mask, or incorporating a hood or a helmet, as a respiratory protective device. Escape and diving apparatus and apparatus used in abrasive blasting operations without additional protective features are not covered by this European Standard
prEVS 21581
Tähtaeg: 2003-03-01
Identne prEN 14593-2:2002
**Respiratory protective devices - Compressed air line breathing apparatus with demand valve - Part 2: Apparatus with a half mask at positive pressure - Requirements, testing, marking**
This European Standard specifies minimum requirements for compressed air line breathing apparatus with demand valve for use with a half mask at positive pressure, as a respiratory protective device. Escape and diving apparatus, apparatus for firefighting and apparatus used in abrasive blasting operations without additional protective features are not covered by this standard, although certain requirements addressing the use in conjunction with escape apparatus and escape conditions are noted
prEVS 55285
Tähtaeg: 2003-03-01
Identne EN 12942:1998/A1:2002
**Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisseadised, millel on täismaskid, poolmaskid või veerandmaskid. Nõuded, katsetamine, märgistus**
This European Standard specifies minimum requirements for power assisted respiratory protective devices which incorporate a full face mask, half mask or a quarter mask together with gas, particle or combined filter(s). It does not cover devices designed for uses in circumstances where there is or might be an oxygen deficiency (oxygen less than 17% by volume). Also, it does not cover respiratory protective devices designed for escape purposes

## 17.020 Metroloogia ja mõõtmise üldküsimused

Metrology and measurement in general

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55185
Tähtaeg: 2003-02-01
Identne IEC 60746-3:2002
ja identne EN 60746-3:2002
**Expression of performance of electrochemical analyzers - Part 3: Electrolytic conductivity**
Electrolytic conductivity

## 17.140.20 Masinate ja seadmete müra

Noise emitted by machines and equipment

## UUED STANDARDID

**EVS-EN 60704-1:2002**
Hind 229,00
Identne IEC 60704-1:1997
ja identne EN 60704-1:1997
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 1: General requirements**
This standard applies to electric appliances (including their accessories or components) for household and similar use, supplied from mains or from batteries. This standard does not apply to: - appliances, equipment or machines designed exclusively

for industrial or professional purposes; - appliances which are integrated parts of a building or its installations such as equipment for air conditioning, heating and ventilating (except household fans, cooker hoods and free standing heating appliances), oil burners for central heating, pumps for water supply and for sewage systems.

**EVS-EN 60704-3:2002**
Hind 212,00
Identne IEC 60704-3:1992
ja identne EN 60704-3:1994
**Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances - Part 3: Procedure for determining and verifying declared noise emission values**
This part of IEC 704 describes procedures for determining and verifying the declared values of the noise emitted by household and similar electrical appliances covered by IEC 704-1 and IEC 704-2 dealing with particular requirements for special categories of appliances. Applies to appliances being produced in quantity (series, batches, lots) manufactured to the same technical specification and characterized by the same labelled value of noise emission.

**EVS-EN 60534-8-1:2002**
Hind 130,00
Identne IEC 60534-8-1:1986
ja identne EN 60534-8-1:2000
**Industrial-process control valves - Part 8: Noise consideration; Section 1: Laboratory measurement of noise generated by aerodynamic flow through control valves**
Defines equipment, methods and procedures for obtaining laboratory measurements of airborne sound-pressure levels radiated by control valves and/or associated piping configurations, including fixed restrictions, through which compressible fluids are passing. Provides a method of testing the noise-generating characteristics of control valves. The noise characteristics to be determined are useful for comparing the performance of different valves and planning measures for noise abatement.

**EVS-EN 60534-8-2:2002**
Hind 117,00
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.

**EVS-EN 60534-8-3:2002**
Hind 295,00
Identne IEC 60534-8-3:2000
ja identne EN 60534-8-3:2000
**Industrial-process control valves - Part 8-3: Noise considerations; Control valve aerodynamic noise prediction method**
This section of International Standard IEC 534-8 establishes a theoretical method to predict the external sound-pressure level generated in a control valve by the flow of compressible fluids. This method considers only single-phase dry gases and vapours and is based on the perfect gas laws. This section addresses only the noise generated by aerodynamic processes in valves and in the connected piping. It does not consider any noise generated by reflections, mechanical vibrations, unstable flow patterns, and other unpredictable behaviour.

**EVS-EN 60534-8-4:2002**
Hind 179,00
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.

**EVS-EN 60704-2-1:2002**
Hind 163,00
Identne IEC 60704-2-1:2000
ja identne EN 60704-2-1:2001
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for vacuum cleaners**
This standard applies to dry pick-up portable electric vacuum cleaners for household and similar use, supplied from mains or from battteries. By similar use, is understood the use in hotels, hospitals, shops, offices etc.

**EVS-EN 60704-2-2:2002**
Hind 163,00
Identne IEC 60704-2-2:1985
ja identne EN 60704-2-2:1994
**Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances - Part 2: Particular requirements for forced draught convection heaters**
This standard is applicable to electric forced draught convection heaters, (fan heaters), designed for placing on the floor, table or counter, etc., or for wall-mounting.

**EVS-EN 60704-2-3:2002**
Hind 109,00
Identne IEC 60704-2-3:2001
ja identne EN 60704-2-3:2002
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers**
These particular requirements apply to single unit electric dishwashers for household and similar use, with and without automatic programme control, for cold and (or) hot water supply, for detachable or permanent connection to water supply or sewage systems, intended for placing on the floor against the wall, for building in or placing under a counter, a kitchen work-top or under a sink, for wall-mounting or on a counter. Limitations for the use of this test code are given in the scope of IEC Publication 704-1.

**EVS-EN 60704-2-4:2002**
Hind 163,00
Identne IEC 60704-2-4:2001
ja identne EN 60704-2-4:2001
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise -**

**Part 2-4: Particular requirements for washing machines and spin extractors**
This standard applies to single unit electric washing machines for household and similar use, and to spin extractors. Limitations for the use of this test code are given in the scope clause of IEC Publication 704-1.

**EVS-EN 60704-2-5:2002**
Hind 139,00
Identne IEC 60704-2-5:1989
ja identne EN 60704-2-5:1994
**Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances - Part 2: Particular requirements for room heaters of the storage type**
This standard applies to electric room heaters of the storage type having forced convection output. Heaters may be designed for floor standing, for wall mounting or for building in.

**EVS-EN 60704-2-6:2002**
Hind 190,00
Identne IEC 60704-2-6:1994
ja identne EN 60704-2-6:1995
**Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances - Part 2: Particular requirements for tumble-dryers**
This standard applies to household electric tumble-dryers as defined in IEC 1121. Its application to washer-dryer combinations, when operated as a dryer, is under study. Limitations for the use of this test code are given in the scope of IEC 704-1.

**EVS-EN 60704-2-7:2002**
Hind 139,00
Identne IEC 60704-2-7:1997
ja identne EN 60704-2-7:1998
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for fans**
This standard applies to electrical fans (including their accessories and their component parts), for household and similar use, designed for a.c. or d.c. supply.

**EVS-EN 60704-2-8:2002**
Hind 130,00
Identne IEC 60704-2-8:1997
ja identne EN 60704-2-8:1997
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for electric shavers**
This standard applies to electric shavers for domestic and similar, supplied from mains or batteries. By similar use is understood the use in hotels, shops, offices, etc. - Note - This standard does not apply to shavers which are powered by other than electrical means for example by a spring-device. If possible, this standard can also be applied to analogous electrically operating devices such as hair clippers and depilating devices.

**EVS-EN 60704-2-11:2002**
Hind 130,00
Identne IEC 60704-2-11:1998
ja identne EN 60704-2-11:1999
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically operated food preparation appliances**
This standard applies to the electrically operated food preparation appliances, either in the form of separate machines with a single function or in the form of multi-purpose machines with appropriate tools or attachments for several functions, intended for placing on counters, tables work tops or sinks, for wall-mounting, for building-in, or for hand-held use, supplied from mains or from batteries and able to ensure the functions described in clause 4 of IEC 60619. Limitations for the use of this test code are given in the scope of IEC 60704-1.

**EVS-EN 60704-2-13:2002**
Hind 170,00
Identne IEC 60704-2-13:2000
ja identne EN 60704-2-13:2000
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods**
This standard applies to electrical range hoods (including their accessories and their component parts) for household and similar use. By similar use is understood the use in similar condition as in households, for example in inns, coffeehouses, tea-rooms. This standard applies to range hoods intended for filtering the air of the room or to exhaust the air out of the room . This standard does not apply to: range hoods for industrial or proffessional purposes. Appliances in which the fan is located in a separate unit from the range hoos itself.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 28324
Tähtaeg: 2003-03-01
Identne prEN 13023:2002
**Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment - Accuracy grades 2 and 3**
This standard specifies all the information necessary to carry out efficiently and under standardized conditions the determination, declaration and verification of airborne noise emission from printing and paper converting machines covered by the EN 1010 series and from paper making and finishing machines covered by the EN 1034 series. It specifies noise measurement methods and installation and operating conditions to be used for the test

## 17.140.50 Elektroakustika

Electroacoustics

## UUED STANDARDID

**EVS-EN 60804:2002**
Hind 0,00
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.

**EVS-EN 61027:2002**
Hind 229,00
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.

**EVS-EN 61043:2002**
Hind 283,00
Identne IEC 61043:1993
ja identne EN 61043:1994
**Electroacoustics - Instruments for the measurement of sound intensity - Measurement with pairs of pressure sensing microphones**
The purpose of this Standard is to ensure the accuracy of measurements of sound intensity applied to the determination of sound power in accordance with ISO 9614-1. To meet the requirements of that standard, instruments are required to analyse the sound intensity in one-third octave bands, and optionally to provide A-weighted band levels. They are also required to measure sound pressure level in addition to sound intensity level to facilitate the use of the field indicators described in ISO 9614-1.

**EVS-EN 61101:2002**
Hind 247,00
Identne IEC 61101:1991
ja identne EN 61101:1993
**The absolute calibration of hydrophones using the planar scanning technique in the frequency range 0,5 MHz to 15 MHz**
The standard specifies a method of absolute calibration of hydrophones based on the planar scanning technique in the frequency range 0,5 MHz to 15 MHz.

**EVS-EN 61102:2002**
Hind 338,00
Identne IEC 61102:1991 + A1:1993
ja identne EN 61102:1993 + A1:1994
**Measurement and characterisation of ultrasonic fields using hydrophones in the frequency range 0,5 MHz to 15 MHz**
The standard specifies the methods of use of calibrated piezoelectric hydrophones for the measurement in liquids of acoustic fields generated by ultrasonic medical equipment operating in the frequency range 0,5 MHz to 15 MHz.

**EVS-EN 61157:2002**
Hind 272,00
Identne IEC 61157:1992
ja identne EN 61157:1994
**Requirements for the declaration of the acoustic output of medical diagnostic ultrasonic equipment**
Establishes requirements for the declaration of the acoustic output information: 1.to be presented in technical data sheets supplied to prospective purchasers of equipment by manufacturers; 2.to be declared in the accompanying literature/ manual supplied by manufacturers; 3.as background information to be made available on request to interested parties by manufacturers.

**EVS-EN 61161:2002**
Hind 259,00
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 transducters 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.

**EVS-EN 61205:2002**
Hind 199,00
Identne IEC 61205:1993
ja identne EN 61205:1994
**Ultrasonics; dental descaler systems; measurement and declaration of the output characteristics**
Specifies: -essential non-thermal output characteristics of ultrasonic dental descalers; -the methods of measurement of the output performance of ultrasonic dental descalers; -the characteristics to be declared by the manufacturers of ultrasonic dental descalers.

**EVS-EN 61206:2002**
Hind 0,00
Identne IEC 61206:1993
ja identne EN 61206:1995
**Ultrasonics - Continuous-wave Doppler systems - Test procedures**
Describes the test methods for measuring the performance of continuous-wave ultrasonic Doppler flowmeters, velocimeters, or foetal heart detectors and special Doppler test objects for determining various performance properties of Doppler ultrasound systems. Does not include electrical safety and acoustic output. This publication has the status of a type 2 technical report.

**EVS-EN 61265:2002**
Hind 190,00
Identne IEC 61265:1995
ja identne EN 61265:1995
**Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure one-third-octave band sound pressure levels in noise certification of transport-category aeroplanes**
This International Standard specifies requirements for the electroacoustic performance of systems of instruments used to measure sound for the purpose of aeroplane noise certification, and recommends methods by which tests may be made periodically to verify that the performance continues to comply with the requirements given within stated tolerances.

**EVS-EN 61685:2002**
Hind 179,00
Identne IEC 61685:2001

ja identne EN 61685:2001
**Ultrasonics - Flow measurement systems - Flow test object**
Specifies parameters for a flow Doppler test object representing a blood vessel of known diameter at a certain depth in human tissue, carrying a steady flow. Establishes a flow Doppler test object which can be used to assess various aspects of the performance of Doppler diagnostic equipment.

**EVS-EN 61828:2002**
Hind 212,00
Identne IEC 61828:2001
ja identne EN 61828:2001
**Ultrasonics - Focusing transducers - Definitions and measurement methods for the transmitted fields**
Provides definitions for the transmitted field characteristics of focusing transducers for applications in medical ultrasound; relates these definitions to theoretical descriptions, design, and measurement of the transmitted fields of focusing transducers. Gives measurement methods for obtaining defined characteristics of focusing transducers. Specifies beam axis alignment methods appropriate for focusing transducers.

**EVS-EN 50332-1:2002**
Hind 83,00
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.

**EVS-EN 60118-0:2002**
Hind 155,00
Identne IEC 60118-0:1983 + A1:1994
ja identne EN 60118-0:1993 + A1:1994
**Hearing aids - Part 0: Measurement of electroacoustical characteristics**
Defines the measurement of physical performance characteristics of air-conduction hearing aids based on a free-field technique and measured with an ear simulator. Describes methods of measurement for evaluation of the electroacoustical characteristics of hearing aids.

**EVS-EN 60118-1:2002**
Hind 163,00
Identne IEC 60118-1:1995+A1:1998
ja identne EN 60118-1:1995+A1:1998
**Hearing aids - Part 1: Hearing aids with induction pick-up coil input**
This Standard describes a method of determining the physical performance of hearing aids using an induction pick-up coil within an audio-frequency magnetic field.

**EVS-EN 60118-4:2002**
Hind 109,00
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.

**EVS-EN 60118-6:2002**
Hind 92,00
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.

**EVS-EN 60318-1:2002**
Hind 139,00
Identne IEC 60318-1:1998
ja identne EN 60318-1:1998
**Electroacoustics - Simulators of human head and ear - Part 1: Ear simulator for the calibration of supra-aural earphones**
This International Standard relates to the specification of an ear simulator which covers the frequency band 20 Hz to 10000 Hz and is intended for calibrating supra-aural earphones used in audiometry and telephonometry applied to the ear without acoustical leakage. This device is not intended for the calibration of circumaural earphones.

**EVS-EN 60318-2:2002**
Hind 130,00
Identne IEC 60318-2:1998
ja identne EN 60318-2:1998
**Electroacoustics - Simulators of human head and ear - Part 2: An interim acoustic coupler for the calibration of audiometric earphones in the extended high-frequency range**
This part of IEC 60318 specifies two different adapters and the removable conical ring to be used with the IEC 60318-1 ear simulator to provide an interim acoustic coupler for the calibration of certain audiometric earphones designed for use in the extended high frequency range from 8 kHz up to 16 kHz. Environmental conditions for the calibration and use of the coupler are given in IEC 60318-1.

**EVS-EN 60318-3:2002**
Hind 130,00
Identne IEC 60318-3:1998
ja identne EN 60318-3:1998
**Electroacoustics - Simulators of human head and ear - Part 3: Acoustic coupler for the calibration of supra-aural earphones used in audiometry**
This International Standard describes an acoustic coupler for loading supra-aural audiometric earphones as specified in ISO 389-1 (to be published) with a specified acoustic impedance, when calibrating audiometers, in the frequency range of 125 Hz to 8000 Hz. The sound pressure developed by an earphone is not, in general, the same in the coupler as in a person´s ear. However, the IEC recommends its use as a simple and ready means for the exchange of specifications on audiometers and for the calibration of specified earphones used in audiometry.

**EVS-EN 60645-1:2002**
Hind 247,00
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.

**EVS-EN 61094-1:2002**
Hind 163,00
Identne IEC 61094-1:2000
ja identne EN 61094-1:2000
**Measurement microphones. Part 1: Specifications for laboratory standard microphones**
This part of IEC 1094 specifies mechanical dimensions and certain electroacoustic characteristics for condenser microphones used as laboratory standards for the realization of the unit of sound pressure, and for sound pressure measurements of the highest attainable accuracy. The specifications are intended to ensure that primary calibration by the reciprocity method can be readily carried out.

**EVS-EN 61094-2:2002**
Hind 272,00
Identne IEC 61094-2:1992
ja identne EN 61094-2:1993
**Measurement microphones - Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique**
Applies to laboratory standard microphones meeting the requirements of IEC 1094-1 and other types of condenser microphones having the same mechanical dimensions or specifies a primary method of determining the pressure sensivity so as to establish a reproducible and accurate basis for the measurement of sound pressure.

**EVS-EN 60118-12:2002**
Hind 139,00
Identne IEC 60118-12:1996
ja identne EN 60118-12:1996
**Hearing aids - Part 12: Dimensions of electrical connector systems**
This International Standard applies to plugs and connector systems for hearing aids and specifies the dimensions and their tolerances essential for ensuring interchangeability.

**EVS-EN 60118-13:2002**
Hind 155,00
Identne IEC 60118-13:1997
ja identne EN 60118-13:1997
**Hearing aids - Part 13: Electromagnetic compatibility (EMC)**
This International standard covers all relevant EMC-phenomena for hearing aids. It specifies measurement methods and acceptance levels for hearing aid immunity to high frequency electromagnetic fields originating from digital telephone systems as specified in IEC 61000-4-3. Measurement methods for hearing aids with non-acoustic outputs and for hearing aids connected to other equipment by cables are not given in this standard.

**EVS-EN 60118-14:2002**
Hind 139,00
Identne IEC 60118-14:1998
ja identne EN 60118-14:1998
**Hearing aids - Part 14: Specification of a digital interface**
This standard specifies the electrical and mechanical requirements for an interface device, to allow a general purpose device such as a desktop computer to connect to hearing aids, for the purpose of electrical setting of their operating parameters.

## 17.180.30
## Optilised mõõtevahendid

Optical measuring instruments

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 36455
Tähtaeg: 2003-02-01
Identne IEC 61746:2001
ja identne EN 61746:2001
**Calibration of optical time-domain reflectometers (OTDRs)**
Provides procedures for calibrating single-mode optical time domain reflectometers (ODTRs). It only covers ODTR measurement errors and uncertainties. The ODTR must be equipped with a minimum feature set: programmable index of refraction, display of a trace representation, two cursors, absolute distance measurement, displayed power level relative to a reference level. It does not cover correction of the ODTR response.

## 17.200
## Termodünaamika ja temperatuurimõõtmised

Thermodynamics and temperature measurements

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33358
Tähtaeg: 2003-03-01
Identne prEN 14597:2002
**Temperature control devices and temperature limiters for heat generating systems (central heating systems)**
This standard refers to EN60730-2-9 and modifies and replaces requirements of that standard as appropriate for the purposes of this standard. All clause references apply to EN 60730-2-9 used together with EN 60730-1, if not indicated otherwise

## 17.200.01
## Termodünaamika üldiselt

Thermodynamics in general

### UUED STANDARDID

**EVS-EN 60682:2002**
Hind 199,00
Identne IEC 60682:1980+ A1:1987+A2:1997
ja identne EN 60682:1993+A2:1997
**Method of measuring the pinch temperature of quartz glass lamps**
Specifies details of the type of thermocouple to be used to measure the pinch temperature of quartz glass lamps, three methods of preparation of the lamp and thermocouple, and the measurement to be made.

## 17.200.20
## Temperatuuri mõõtevahendid

Temperature-measuring instruments

### UUED STANDARDID

**EVS-EN 50112:2002**
Hind 92,00
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.

**EVS-EN 50113:2002**
Hind 66,00
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.

**EVS-EN 50212:2002**
Hind 92,00
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.

**EVS-EN 61152:2002**
Hind 83,00
Identne IEC 61152:1992
ja identne EN 61152:1994
**Dimensions of metal-sheathed thermometer elements**
Specifies diameters for metal-sheathed thermometer elements and tolerances on these diameters.

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

Electricity. Magnetism. Electrical and magnetic measurements

### UUED STANDARDID

**EVS-EN 60990:2002**
Hind 283,00
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.

**EVS-EN 61788-2:2002**
Hind 212,00
Identne IEC 61788-2:1999
ja identne EN 61788-2:1999
**Superconductivity - Part 1: Critical current measurement - Section 2: DC critical current of Nb3Sn composite superconductors**
This International Standard covers a test method for the determination of the dc critical current of Nb3Sn composite superconductors which are fabricated by either the bronze process or the internal tin diffusion process and have a copper/non-copper ratio larger than 0,2.

**EVS-EN 61788-3:2002**
Hind 139,00
Identne IEC 61788-3:2000
ja identne EN 61788-3:2001
**Superconductivity - Part 3: Critical current measurement; DC critical current of Ag-sheated Bi-2212 and Bi-2223 oxide superconductors**
Covers a test method for the determination of the d.c. critical current of short and straight Ag- or Ag alloy-sheathed Bi-2212 and Bi-2223 oxide superconductors that have a monolithic structure and a shape of round wire or flat or square tape containing mono- or multicores of oxides.

## 17.220.00
## Elekter. Magnetism. Elektrilised ja magnetilised mõõtmised

Electricity. Magnetism. Generel aspects

### UUED STANDARDID

**EVS-EN 50147-1:2002**
Hind 83,00
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 commmon measurement procedure for validating the shielding effectiveness of a shielded enclosure.

**EVS-EN 50147-2:2002**
Hind 130,00
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.

## 17.220.01
## Elekter. Magnetism. Elektrilised ja magnetilised mõõtmised. Üldised aspektid

Electricity. Magnetism. General aspects

### UUED STANDARDID

**EVS-EN 60909-0:2002**
Hind 306,00
Identne IEC 60909-0:2001
ja identne EN 60909-0:2001
**Short circuit currents in three-phase a.c. systems - Part 0: Calculation of currents**
This standard is applicable to the calculation of short-circuit currents in low-voltage three-phase a.c. systems and in high-voltage three-phase a.c. systems operating at nominel frequency 50 Hz or 60 Hz. Systems at highest voltages of 525 kV and above with long transmission lines need special consideration.

## 17.220.20
## Elektriliste ja magnetiliste suuruste mõõtmine

Measurement of electrical and magnetic quantities

### UUED STANDARDID

**EVS-EN 60270:2002**
Hind 283,00
Identne IEC 60270:2000
ja identne EN 60270:2001
**High-voltage test techniques - Partial discharge measurements**
The standard is applicable to the measurement of partial discharges which occur in electrical apparatus, components or systems when tested with alternating voltages up to 400 Hz or with direct voltage.

**EVS-EN 60514:2002**
Hind 283,00
Identne IEC 60514:1975
ja identne EN 60514:1995
**Acceptance inspection of Class 2 alternating-current watthour meters**
The methods and procedures included in this report apply to newly manufactured direct connected induction type watthour meters of Class 2, covered by IEC Publication 521, which are produced and delivered in large quantities.They provide for 100% inspection or sampling inspection for acceptance by the purchaser.

**EVS-EN 60688:2002**
Hind 295,00
Identne IEC 60688:1992+A1:1997+A2:2001
ja identne EN 60688:1992+A1:1999+A2:2001
**Electrical measuring transducers for converting a.c. electrical quantities to analogue or digital signals**
Applies to transducers with electrical inputs and outputs for making measurements of a.c. electrical quantities with a nominal frequency between 5 Hz and 1500 Hz. The output signal may be in the form of an analogue direct current or in digital form. Supersedes IEC 688-1 and 688-2.

**EVS-EN 60873:2002**
Hind 229,00
Identne IEC 60873:1986
ja identne EN 60873:1993
**Methods of evaluating the performance of electrical and pneumatic analogue chart recorders for use in industrial-process control systems**
Provides methods for evaluating the performance of all electrical and pneumatic analogue chart recorders operating from a standardized signal which may be used in process control. Continuous and dotted line traces, multiple-pen and multiple-channel instruments are covered.

**EVS-EN 60044-1:2002**
Hind 283,00
Identne IEC 60044-1:1996+A1:2000
ja identne EN 60044-1:1999+A1:2000
**Instrument transformers - Part 1: Current transformers**
This part of IEC 44 applies to newly manufactured current transformers for use with electrical measuring instruments and electrical protective devices at frequencies from 15 Hz to 100 Hz. Although the requirements are applicable primarily to trans formers with separate windings, they are also applicable, where appropriate to autotransformers.

**EVS-EN 60044-2:2002**
Hind 283,00
Identne IEC 60044-2:1997+A1:2000
ja identne EN 60044-2:1999+A1:2000
**Instrument transfomers - Part 2: Inductive voltage transformers**
This part of IEC 44 applies to new inductive voltage transformers for use with electrical measuring instruments and electrical protective devices at frequencies from 15 Hz to 100 Hz. Although this standard relates basically to transformers with separate windings, it is also applicable, where appropriate, to auto-transformers. This standard does not apply to transformers for use in laboratories.

**EVS-EN 60044-6:2002**
Hind 272,00
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 exponentailly decaying d.c. component of defined time constant.

**EVS-EN 60044-7:2002**
Hind 306,00
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.

**EVS-EN 61083-1:2002**
Hind 247,00
Identne IEC 61083-1:2001
ja identne EN 61083-1:2001
**Instruments and software used for measurements in high-voltage impulse tests - Part 1: Requirements for instruments**
This part of IEC 61083 is applicable to digital recorders and digital oscilloscopes, analog oscilloscopes and peak voltmeters used for measurements during tests with high impulse voltages and high impulse currents. It specifies the measuring characteristics and calibrations required to meet the measuring uncertainties and procedures specified in IEC 60060-2.

**EVS-EN 61083-2:2002**
Hind 190,00
Identne IEC 61083-2:1996
ja identne EN 61083-2:1997
**Digital recorders for measurements in high-voltage impulse tests - Part 2: Evaluation of software used for the determination of the parameters of impulse waveforms**
This part of IEC 1083 is applicable to the processing of records taken by digital recorders used for measurements during tests with high-voltage impulses and high current impulses as specified in IEC 60. It specifies the test procedures to be applied to assess the accuracy of software used to process and read the records of impulses and calibration signals.

**EVS-EN 61788-4:2002**
Hind 130,00
Identne IEC 61788-4:2001
ja identne EN 61788-4:2001
**Superconductivity - Part 4: Residual resistance ratio measurement; Residual resistance ratio of Nb-Ti composite superconductors**
Describes a "reference" method for the determination of the residual resistance ratio (RRR) of a composite superconductor comprised of Nb-Ti filaments and Cu, Cu-Ni or Cu/Cu-Ni matrix. This method is intended for use with superconductors that have a rectangular or round cross-section, RRR less than 350, and cross-sectional area less than 3 mm2. All measurements shall be done without an applied magnetic field. Optional acquisition methods are outlined in annex A.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 24403
Tähtaeg: 2001-01-01
Identne EN 50191:2000
**Erection and operation of electrical test equipment**
This standard is applicable to the erection and operation of fixed and temporary electrical test equipment. Compliance with this standard is not necessary, if contact with live parts presents no danger.
prEVS 55091
Tähtaeg: 2003-02-01
Identne IEC 62056-21:2002
ja identne EN 62056-21:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange**
Describes hardware and protocol specifications for local meter data exchange. In such systems, a hand-held unit (HHU) or a unit with equivalent functions is connected to a tariff device or a group of devices.
prEVS 55139
Tähtaeg: 2003-02-01
Identne EN 50383:2002
**Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations and fixed terminal stations for wireless telecommunication systems (110 MHz - 40 GHz)**
This clause describes the procedure to calculate, at points of investigation (POI), the electromagnetic field components and/or power density, radiated by an antenna
prEVS 55142
Tähtaeg: 2003-02-01
Identne EN 50384:2002
**Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz) Occupational**
This product standard applies to radio base stations and fixed terminal stations for wireless telecommunication systems as defined in Clause 3, operating in the frequency range 110 MHz to 40 GHz
prEVS 55145
Tähtaeg: 2003-02-01
Identne EN 50385:2002
**Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz) - General public**
This product standard applies to radio base stations and fixed terminal stations for wireless telecommunication systems as defined in Clause 3, operating in the frequency range 110 MHz to 40 GHz
prEVS 55158
Tähtaeg: 2003-02-01
Identne IEC 60404-14:2002
ja identne EN 60404-14:2002
**Magnetic materials - Part 14: Methods of measurement of the magnetic dipole moment of a ferromagnetic material specimen by the withdrawal or rotation method**
Applicable to all ferromagnetic materials. It is particularly aimed at the measurement of the magnetic dipole moment of permanent magnet (magnetically hard) materials and the measurement of the specific saturation magnetic polarization of cemented carbide
prEVS 55176
Tähtaeg: 2003-02-01
Identne IEC 60044-8:2002
ja identne EN 60044-8:2002
**Instrument transformers - Part 8: Electronic current transformers**

This part of IEC 60044 applies to newly manufactured electronic current transformers having an analogue voltage output or a digital output, for use with electrical measuring instruments and electrical protective devices at nominal frequencies from 15 Hz to 100 Hz.

prEVS 55181
Tähtaeg: 2003-02-01
Identne EN 50249:2002
**Electromagnetic locators for buried pipes and cables - Performance and safety**
This European standard specifies the performance and safety requirements for outdoor portable electromagnetic locators for the location of buried conductive pipes, cables and wires (including allied components) by means of detecting the electromagnetic field caused by a low of a.c. current

## 17.220.99
## Muud elektri ja magnetismiga seotud standardid

Other standards related to electricity and magnetism

## UUED STANDARDID

**EVS-EN 60343:2002**
Hind 179,00
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.

**EVS-EN 60599:2002**
Hind 247,00
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.

**EVS-EN 61006:2002**
Hind 229,00
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.

**EVS-EN 61065:2002**
Hind 139,00
Identne IEC 61065:1991
ja identne EN 61065:1993
**Method for evaluating the low temperature flow properties of mineral insulating oils after ageing**
The standard describes a method for assessing the changes in activity of pour point depressant additives in inhibited and uninhibited mineral insulating oils when aged in the presence of insulating kraft paper.

**EVS-EN 61074:2002**
Hind 179,00
Identne IEC 61074:1991
ja identne EN 61074:1993
**Determination of heats and temperatures of melting and crystallization of electrical insulating materials by differential scanning calorimetry**
The standard describes the method for thermally stable materials with well-defined exothermic and endothermic behaviour. The typical operating temperature range extends from -100 C to +500 C. The temperature range can be extended depending upon the instrumentation used.

**EVS-EN 61125:2002**
Hind 247,00
Identne IEC 61125:1992 + Cor.:1992
ja identne EN 61125:1993
**Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability**
This European Standard describes three test methods using the same apparatus for evaluating the oxidation stability of mineral insulating oils and of hydrocarbon-based insulating liquids.

**EVS-EN 61144:2002**
Hind 170,00
Identne IEC 61144:1992
ja identne EN 61144:1993
**Test method for the determination of oxygen index of insulating liquids**
This standard describes a method for measuring the oxygen index of insulating liquids. This test method is applicable to all liquids, the viscosity of which is lower than or equal to 50 mm2/S at 40 C +/- 1 C.

**EVS-EN 61198:2002**
Hind 0,00
Identne IEC 61198:1993
ja identne EN 61198:1994
**Mineral insulating oils - Methods for the determination of 2-furfural and related compounds**
This International Standard specifies test methods for the analysis of 2-furfural and related furan compounds resulting from the degradation of cellulosic insulation and found in mineral insulating oil samples taken from electrical equipment.

**EVS-EN 60243-2:2002**
Hind 109,00
Identne IEC 60243-2:2001
ja identne EN 60243-2:2001

**Electric strength of insulating materials - Test methods - Part 2: Additional requirements for tests using direct voltage**
This standard gives requirements additional to those in IEC 60243-1 for the determination of the electric strength of solid insulating materials under direct voltage stress.

**EVS-EN 60243-3:2002**
Hind 126,00
Identne IEC 60243-3:2001
ja identne EN 60243-3:2001
**Electrical strength of insulating materials - Test methods - Part 3: Additional requirements for 1, 2/50 µs impulse tests**
This international standard gives requirements additional to those in IEC 60243-1 for the determination of the electric strength of solid insulating materials under 1,2/50 micro seconds impulse voltage stress.

**EVS-EN 60371-2:2002**
Hind 212,00
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.

**EVS-EN 60455-2:2002**
Hind 212,00
Identne IEC 60455-2:1998
ja identne EN 60455-2:1999
**Resin based reactive compounds used for electrical insulation - Part 2: Methods of test**
This part of IEC 60455 specifies methods of test to be used for testing resin based reactive compounds, their components and cured compounds used for electrical insulation.

**EVS-EN 60672-2:2002**
Hind 272,00
Identne IEC 60672-2:1999
ja identne EN 60672-2:2000
**Ceramic and glass insulating materials - Part 2: Methods of test**
Applicable to ceramic, glass and glass-ceramic materials to be used for electrical insulation purposes. Specifies methods of test. Intended to provide test results typical of the material from which the test pieces are processed. Since, in the majority of cases, ceramic components for insulating purposes are of rather different size and shape to test pieces, the results of such tests provide only a guide to the actual properties of components. The limitations imposed by the method of forming and processing are discussed where relevant.

**EVS-EN 60216-4-2:2002**
Hind 179,00
Identne IEC 60216-4-2:2000
ja identne EN 60216-4-2:2000
**Electrical insulating materials - Thermal endurance properties - Part 4-2: Ageing ovens; Precision ovens for use up to 300 °C**
Covers minimum performance requirements for ventilated and electrically heated precision ovens for thermal endurance evaluation of electrical insulating materials and other appropriate applications. It covers ovens designed to operate over all or part of the temperature range from 20 K above room temperature up to 300°C. Two possible methods of achieving the required performance are described: a) where the required performance is achieved by precise control of temperature in a simple single chamber oven, i.e., upgraded versions of ovens conforming to IEC 60216-4-1, and, otherwise b)where the required performance is achieved by utilizing a second chamber (iso-box), mounted within the chamber of a single-chamber oven, the purpose of which is to reduce the magnitude of any temperature changes to an acceptable level whilst maintaining the required levels of air changes and circulation.

**EVS-EN 60216-4-3:2002**
Hind 163,00
Identne IEC 60216-4-3:2000
ja identne EN 60216-4-3:2000
**Electrical insulating materials - Thermal endurance properties - Part 4-3: Ageing ovens; Multi-chamber ovens**
This standard covers minimum requirements for ventilated and heated multi-chamber ovens for thermal endurance evaluation of electrical insulating materials and any other appropriate thermal conditioning application, where the use of single chamber ovens is inappropriate. It covers ovens designed to operate over all or part of the temperature range from 20 K above room temperature up to 300 C.

**EVS-EN 60061-2:2001/A25:2002**
Hind 190,00
Identne IEC 60061-2:1969/A25:2002
ja identne EN 60061-2:1993/A25:2002
**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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 26776
Tähtaeg: 2003-02-01
Identne IEC 60216-3:2002
ja identne EN 60216-3:2002
**Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics**
Specifies the calculation procedures to be used for deriving thermal endurance characteristics from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2. The experimental data may be obtained using non-destructive, destructive or proof tests. Data obtained from non-destructive or proof tests may be incomplete, in that measurement of times taken to reach the endpoint may have been terminated at some point after the median time but before all specimens have reached end-point. The procedures are illustrated by worked examples, and suitable computer programs are

recommended to facilitate the calculations.
prEVS 55182
Tähtaeg: 2003-02-01
Identne IEC 61340-2-1:2002
ja identne EN 61340-2-1:2002
**Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge**
Describes test methods for measuring the rate of dissipation of static charge of insulating and static dissipative materials and products. It includes a generic description of test methods and detailed test procedures for specific applications.
prEVS 55209
Tähtaeg: 2003-02-01
Identne IEC 60554-2:2001
ja identne EN 60554-2:2002
**Cellulosic papers for electrical purposes - Part 2: Methods of test**
Applies to cellulosic papers for electrical purposes. It specifies the methods of test to be used in testing cellulosic papers for electrical purposes to meet the requirements prescribed in the specification sheet of IEC 60554-3. In this standard, reference is made in several places to ISO standards accompanied by a short description of the method used. It is to be understood that this short description is meant for identification purposes only and that all details should be taken from the ISO standard itself.
prEVS 55243
Tähtaeg: 2003-02-01
Identne IEC 61340-3-1:2002
ja identne EN 61340-3-1:2002
**Electrostatics - Part 3-1: Methods for simulation of electrostatic effects - Human body model (HBM) - Component testing**
Describes the discharge current waveforms used to define the HBM and the basic equipment requirements used to develop these waveforms. Test parameters are defined for testing and classifying the electrostatic discharge (ESD) sensitivity of non-powered devices to the HBM. The purpose of this standard is to establish a test model that will replicate HBM failures and will define the HBM transient current discharge waveform and all necessary test parameters to ensure reliable, reproducible test results. Reproducible data will allow accurate comparisons of HBM ESD sensitivity levels.
prEVS 55266
Tähtaeg: 2003-02-01
Identne IEC 61340-4-3:2001
ja identne EN 61340-4-3:2001
**Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear**
Describes a test method for determining the electrical resistance of footwear used in the control of electrostatic potential on people. This standard is suitable for use by the manufacturer of footwear as well as the end user. A method for measuring the electrical resistance of footwear alone is described and serves as an acceptance test for new footwear. Insulating footwear is not included within the scope of this standard although the electrical resistance measurement techniques may be applicable.
prEVS 55467
Tähtaeg: 2003-02-01
Identne IEC 61340-3-2:2002
ja identne EN 61340-3-2:2002
**Electrostatics - Part 3-2: Methods for simulation of electrostatic effects - Machine model (MM) - Component testing**
Describes the discharge current waveforms used to define the MM and the basic equipment requirements used to develop these waveforms. Test parameters are defined for testing and classifying the electrostatic discharge (ESD) sensitivity of non-powered devices to the MM. The purpose of this standard is to establish a test model that will replicate MM failures and will define the MM transient current discharge waveform and all necessary test parameters to ensure reliable, reproducible test results. Reproducible data will allow accurate comparisons of MM ESD sensitivity levels.

## 17.240 Kiirgusmõõtmised

Radiation measurements

### UUED STANDARDID

**EVS-EN 60731:2002**
Hind 338,00
Identne IEC 60731:1997
ja identne EN 60731:1997
**Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy**
This international Standard specifies the performance requirements or radiotherapy dosimeters, as defined in 3.1, intended for the measurement of absorbed dose to water or air kerma (and their rates) in photon or electron radiation fields as used in radiotherapy.

**EVS-EN 61674:2002**
Hind 247,00
Identne IEC 61674:1997
ja identne EN 61674:1997
**Medical electrical equipment - Dosimeters with ionization chambers and/or semi-conductor detectors as used in x-ray diagnosis imaging**
This standard specifies the performance requirements of diagnostic dosemeters, as defined in 3.1, intended for the measurement of AIR KERMA, AIR KERMA LENGTH or AIR KERMA RATE, in photon radiation fields as used in radiography, including mammography, radioscopy and computed tomography (CT), for X-rays with generating potentials not greater than 150 kV.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55357
Tähtaeg: 2003-02-01
Identne IEC 60731:1997/A1:2002
ja identne EN 60731:1997/A1:2002
**Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy**
This international Standard specifies the performance requirements or radiotherapy dosimeters, as defined in 3.1, intended for the measurement of absorbed dose to water or air kerma (and their rates) in photon or electron radiation fields as used in radiotherapy.
prEVS 55359
Tähtaeg: 2003-02-01
Identne IEC 61674:1997/A1:2002
ja identne EN 61674:1997/A1:2002
**Medical electrical equipment - Dosimeters with ionization chambers and/or semi-conductor detectors as used in x-ray diagnosis imaging**

This standard specifies the performance requirements of diagnostic dosemeters, as defined in 3.1, intended for the measurement of AIR KERMA, AIR KERMA LENGTH or AIR KERMA RATE, in photon radiation fields as used in radiography, including mammography, radioscopy and computed tomography (CT), for X-rays with generating potentials not greater than 150 kV.

## 19
## KATSETAMINE

## TESTING

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55312
Tähtaeg: 2003-03-01
Identne prEN 14488-5:2002
**Testing sprayed concrete - Part 5: Determination of energy absorption capacity of fibre reinforced slab specimens**
This European Standard specifies a method for the determination of the load/deflection response of a slab specimen in order to calculate the energy absorption capacity up to a specified deflection

## 19.020
## Katsetingimused ja -protseduurid üldiselt

## Test conditions and procedures in general

### UUED STANDARDID

**EVS-EN 61115:2002**
Hind 283,00
Identne IEC 61115:1992
ja identne EN 61115:1993
**Expression of performance of sample handling systems for process analyzers**
The standard specifies the tests which should be carried out to determine the functional performance of sample handling systems. In addition, it specifies the information to be provided by the manufacturers and users of such systems.

**EVS-EN 60216-4-3:2002**
Hind 163,00
Identne IEC 60216-4-3:2000
ja identne EN 60216-4-3:2000
**Electrical insulating materials - Thermal endurance properties - Part 4-3: Ageing ovens; Multi-chamber ovens**
This standard covers minimum requirements for ventilated and heated multi-chamber ovens for thermal endurance evaluation of electrical insulating materials and any other appropriate thermal conditioning application, where the use of single chamber ovens is inappropriate. It covers ovens designed to operate over all or part of the temperature range from 20 K above room temperature up to 300 C.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 26776
Tähtaeg: 2003-02-01
Identne IEC 60216-3:2002
ja identne EN 60216-3:2002
**Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics**
Specifies the calculation procedures to be used for deriving thermal endurance characteristics from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2. The experimental data may be obtained using non-destructive, destructive or proof tests. Data obtained from non-destructive or proof tests may be incomplete, in that measurement of times taken to reach the endpoint may have been terminated at some point after the median time but before all specimens have reached end-point. The procedures are illustrated by worked examples, and suitable computer programs are recommended to facilitate the calculations.

## 19.040
## Keskkonnakatsetused

## Environmental testing

### UUED STANDARDID

**EVS-EN 50130-5:2002**
Hind 170,00
Identne EN 50130-5:1998
**Alarm systems - Part 5: Environmental test methods**
This standard specifies environmental test methods to be used for testing the system components of the following alarm systems, intended for use in and around buildings: Intruder alarm systems, hold-up alarm systems, social alarm systems, CCTV systems for security applications, access control systems for security applications. This standard specifies three equipment classes (Fixed, Movable & Portable equipment) and four environmental classes.

**EVS-EN 60068-1:2002**
Hind 259,00
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 af service.

**EVS-EN 61207-3:2002**
Hind 212,00
Identne IEC 61207-3:2002
ja identne EN 61207-3:2002
**Gas analyzers - Expression of performance - Part 3: Paramagnetic oxygen analyzers**
This standard applies to the three main methods outlined in Section 1.0; it considers essentail ancillary units and it applies to analysers installed indoors and outdoors. It shall be used in conjunction with Publication IEC 1207-1 "Expression of Performance of Gas Analysers". Note: Safety Critical App. may require an additional requirement of system and analyser specifications not covered in this document.

**EVS-EN 60068-2-1:2002**
Hind 212,00
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.

**EVS-EN 60068-2-2:2002**
Hind 272,00
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 ditrimental 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.

**EVS-EN 60068-2-7:2002**
Hind 179,00
Identne IEC 60068-2-7:1983 + A1:1986
ja identne EN 60068-2-7:1993
**Basic environmental testing procedures - Part 2: Tests - Test Ga and guidance: Acceleration, steady state**
The object of this standard is to prove the structural suitability and the satisfactory performance of components, equipment and other electrotechnical products, when subjected to forces produced by steady acceleration environments (other than gravity) such as occur in moving vehicles, especially flying vehicles, rotating parts and projectiles, and to provide a test of structural integrity for certain components.

**EVS-EN 60068-2-9:2002**
Hind 190,00
Identne IEC 60068-2-9:1975+A1:1984
ja identne EN 60068-2-9:1999
**Environmental testing - Part 2: Tests - Guidance for solar radiation testing**
The standard describes methods of simulation designed to examine the effect of solar radiation on equipment and components at the surface of the earth. To be used with Publication 68-2.5.

**EVS-EN 60068-3-1:2002**
Hind 229,00
Identne IEC 60068-3-1:1974+3-1A:1978
ja identne EN 60068-3-1:1999
**Environmental testing - Part 3: Background information - Section one: Cold and dry heat tests**
Gives background information for Tests A: Cold (IEC 68-2-1), and Tests B: Dry heat (IEC 68-2-2). Includes appendices on the effect of: chamber size on the surface temperature of a specimen when no forced air circulation is used; airflow on chamber conditions and on surface temperatures of test specimens; wire termination dimensions and material on surface temperature of a component; measurements of temperature, air velocity and emission coefficient.

**EVS-EN 60068-3-2:2002**
Hind 109,00
Identne IEC 60068-3-2:1976
ja identne EN 60068-3-2:1999
**Environmental testing - Part 3: Background information - Section 2: Combined temperature/low air pressure tests**
The standard gives background information for Test Z/AM: Combined cold/low air pressure tests for both heat-dissipating and non-heat-dissipating specimens of Publication 68-2-40, and for Test Z/BM: Combined dry-heat/low air pressure tests for both heat-dissipating and non-heat-dissipating specimens of Publication 68-2-41.

**EVS-EN 60068-3-3:2002**
Hind 295,00
Identne IEC 60068-3-3:1991
ja identne EN 60068-3-3:1993
**Environmental testing; part 3: guidance; seismic test methods for equipments**
Guidance is included in each of the three test methods referred to in this standard but it is specific to the test method. The guidance in this standard is directed towards choosing the appropriate test method and applying it to seismic testing.

**EVS-EN 60068-5-2:2002**
Hind 163,00
Identne IEC 60068-5-2:1990
ja identne EN 60068-5-2:1999
**Environmental testing - Part 5: Guide to drafting of test methods - Terms and definitions**
Defines terms used in the environmetal testing of electrotechnical products such as components, sub-assemblies, assemblies and equipments.

**EVS-EN 60721-3-0:2002**
Hind 163,00
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 severitites, 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.

**EVS-EN 60721-3-1:2002**
Hind 190,00
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.

**EVS-EN 60721-3-2:2002**
Hind 199,00
Identne IEC 60721-3-2+A2:1997
ja identne EN 60721-3-2+A2:1997
**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 paramenters 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.

**EVS-EN 60721-3-3:2002**
Hind 306,00

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.

**EVS-EN 60721-3-4:2002**
Hind 259,00
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.

**EVS-EN 60721-3-5:2002**
Hind 212,00
Identne IEC 60721-3-5:1997
ja identne EN 60721-3-5:1997
**Classification af 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.

**EVS-EN 60721-3-6:2002**
Hind 190,00
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.

**EVS-EN 60721-3-9:2002**
Hind 170,00
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.

**EVS-EN 60068-2-11:2002**
Hind 101,00
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.

**EVS-EN 60068-2-13:2002**
Hind 109,00
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.

**EVS-EN 60068-2-14:2002**
Hind 170,00
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.

**EVS-EN 60068-2-18:2002**
Hind 247,00
Identne IEC 60068-2-18:2000
ja identne EN 60068-2-18:2001
**Environmental testing - Part 2-18: Tests; Tests R and guidance: Water**
This part of IEC 60068 provides methods of tests applicable to electrothechnical products which, during transportation, storage or in service, may be subjected to falling drops, impacting water or immersion.

**EVS-EN 60068-2-21:2002**
Hind 212,00
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.

**EVS-EN 60068-2-27:2002**
Hind 247,00
Identne IEC 60068-2-27:1987
ja identne EN 60068-2-27:1993
**Basic environmental testing procedures - Part 2: Tests - Test Ea and guidance: Shock**
The object of the test is to determine the suitability of components and equipment for application where they are subjected to non-repetitive mechanical shocks and/or to assess their structural integrity.

**EVS-EN 60068-2-29:2002**
Hind 190,00
Identne IEC 60068-2-29:1987 + Corr.:1987
ja identne EN 60068-2-29:1993
**Basic environmental testing procedures - Part 2: Tests - Test Eb and guidance: Bump**
This standard provides a standard procedure for determining the abolity of a speciment of withstand specified severities of bump.

**EVS-EN 60068-2-30:2002**
Hind 139,00
Identne IEC 60068-2-30:1980+A1:1985
ja identne EN 60068-2-30:1999
**Environmental testing - Part 2: Tests - Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle)**
The object of the test is to determine the suitability of components, equipment or other articles for use and/or storage under conditions of high humidity when combined with cyclic temperature changes. This test replaces the original test D in the Publication 68-2-4 for future applications.

**EVS-EN 60068-2-31:2002**
Hind 101,00
Identne IEC 60068-2-31:1969 + A1:1982
ja identne EN 60068-2-31:1993
**Basic environmental testing procedures - Part 2: Tests - Test Ec: Drop and topple, primarily for equipment-type specimens**
The object of the test is to determine the effects upon a specimen of simple standard treatments intended to be representative of the knocks and jolts likely to occur during repair work or rough handling in use on a table or bench.

**EVS-EN 60068-2-32:2002**
Hind 126,00
Identne IEC 60068-2-32:1975 + A1,2:1990
ja identne EN 60068-2-32:1993
**Basic environmental testing procedures - Part 2: Tests - Test Ed: Free fall**
The object of the test is to determine the effects on specimen of simple standard treatments intended to be representive of the falls likely to be experienced during rough handling, or to demonstrate a minimum degree of robustness, for the purpose of assessing compliance with safety requirements.

**EVS-EN 60068-2-33:2002**
Hind 126,00
Identne IEC 60068-2-33:1971+A1:1978
ja identne EN 60068-2-33:1999
**Environmental testing - Part 2: Tests - Guidance on change of temperature tests**
This recommendation gives gives guidance to designers and testing personnel on the specification and use of change of temperature tests.

**EVS-EN 60068-2-38:2002**
Hind 130,00
Identne IEC 60068-2-38:1974
ja identne EN 60068-2-38:1999
**Environmental testing - Part 2: Tests - Test Z/AD: Composite temperature/humidity cyclic test**
The object of this standard is to provide a composite test procedure, primarily intended for component type specimen, to determine in an accelerated manner the resistance of specimens to the deteriorative effects of high temperature/humidity and cold conditions.

**EVS-EN 60068-2-39:2002**
Hind 130,00
Identne IEC 60068-2-39:1976
ja identne EN 60068-2-39:1999
**Environmental testing - Part 2: Tests - Test Z/AMD: Combined sequential cold, low air pressure, and damp heat test**
The object of this standard is to provide a standard environmental test procedure consisting of the application of cold, low air pressure and damp heat; the first two conditions in combination and the second condition combining with the third during the sequential transition from the first. The test employed are Test A and Test M, but although introduction of moisture is not exactly in accordance with Test D, this letter has been used in identification Z/AMD as being the most appropriate and informative.

**EVS-EN 60068-2-40:2002**
Hind 139,00
Identne 39997:1983
ja identne EN 60068-2-40:1999
**Environmental testing - Part 2: Tests - Test Z/AM: Combined cold/low air pressure tests**
The object of this test is to determine the ability of components or equipment or other articles to be stored and used under a simultaneous combination of low temperature and low air pressure.This combined test should normally be used only if the effects of combined environments will not be revealed by subjecting the specimen to single environments. The procedures given in this publication are limited to the case of specimens which achieve temperature stability during the test procedure.

**EVS-EN 60068-2-41:2002**
Hind 146,00
Identne IEC 60068-2-41:1976+A1:1983
ja identne EN 60068-2-41:1999
**Environmental testing - Part 2: Tests - Test Z/BM: Combined dry heat/low air pressure tests**
The object of this standard is to provide a standard test procedure to determine the suitability of components, equipment or other articles for use and/or storage under a combination of high temperature and low air pressure.

**EVS-EN 60068-2-47:2002**
Hind 179,00
Identne IEC 60068-2-47:1999
ja identne EN 60068-2-47:1999
**Environmental testing - Part 2-47: Test methods - Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests**
Specifies standard methods of mounting of components, and related mounting requirements, for dynamic tests such as shock, bump, vibration and steady-state acceleration.

**EVS-EN 60068-2-48:2002**
Hind 101,00
Identne IEC 60068-2-48:1982
ja identne EN 60068-2-48:1999
**Environmental testing - Part 2: Tests - Guidance on the application of the tests of IEC 60068 to simulate the effects of storage**
The standard provides guidance on the application of the tests to simulate effects of storage.

**EVS-EN 60068-2-50:2002**
Hind 139,00
Identne IEC 60068-2-50:1983
ja identne EN 60068-2-50:1999

**Environmental testing - Part 2: Tests - Tests Z/AFc: Combined cold/vibration (sinusoidal) tests for both heat-dissipating and non-heat-dissipating specimens**
The standard is basically a combination of test Fc: Vibration (sinusoidal) and test A: Cold.

**EVS-EN 60068-2-51:2002**
Hind 139,00
Identne IEC 60068-2-51:1983
ja identne EN 60068-2-51:1999
**Environmental testing - Part 2: Tests - Tests Z/BFc: Combined dry heat/vibration (sinusoidal) tests for both heat-dissipating and non-heat-dissipating specimens**
The standard is basically a combination of test Fc: Vibration (sinusoidal) and test B: Dry heat.

**EVS-EN 60068-2-55:2002**
Hind 190,00
Identne IEC 60068-2-55:1987
ja identne EN 60068-2-55:1993
**Basic environmental testing procedures - Part 2: Tests - Test Ee and guidance: Bounce**
The standard provides a standard procedure for determining the ability of a specimen to withstand specified severities of bounce.

**EVS-EN 60068-2-57:2002**
Hind 229,00
Identne IEC 60068-2-57:1999
ja identne EN 60068-2-57:2000
**Environmental testing - Part 2-57: Tests - Test Ff: Vibration - Time-history-method**
This standard provides a standard procedure for determinig, by the time-history method, the ability of a specimen to withstand specified severities of transient vibration.

**EVS-EN 60068-2-58:2002**
Hind 126,00
Identne IEC 60068-2-58:1999
ja identne EN 60068-2-58:1999
**Environmental testing - Part 2-58: Tests - Test Td: Test methods for solderability, resistance to dissolution of metallisation and to soldering heat of Surface Mounting Devices (SMD)**
The standard provides a standard procedure for determining the solderability, resistance to dissolution of metallization and resistance to soldering heat devices (SMD) (hereafter referred to as specimens). The procedure uses a solder bath and is applicable only to specimens of products designed to withstand short-term immersion in molten solder.

**EVS-EN 60068-2-59:2002**
Hind 247,00
Identne IEC 60068-2-59:1990
ja identne EN 60068-2-59:1993
**Environmental testing - Part 2: Test methods - Test Fe: Vibration - Sine beat method**
The standard details methods for testing components, equipments and other electrotechnical products which in service can be subjected to pulsating or oscillating forces of short duration caused for example by seismic or explosive phenomena or by vibration in machinery.

**EVS-EN 60068-2-61:2002**
Hind 212,00
Identne IEC 60068-2-61:1991
ja identne EN 60068-2-61:1993
**Environmental testing - Part 2: Test methods - Test Z/ABDM: Climatic sequence**
This International Standard provides standard composite test methods for determining the suitability of a specimen when subjected to environmental conditions consisting of a sequense of temperature, humitidy and, where required, low air pressure environmental stresses.

**EVS-EN 60068-2-64:2002**
Hind 295,00
Identne IEC 60068-2-64:1993 + Corr.:1993
ja identne EN 60068-2-64:1994
**Environmental testing - Part 2: Test methods - Test Fh: Vibration, broad-band random (digital control) and guidance**
The object of this International Standard is to provide two standard test methods (method 1 and method 2) for determining the ability of a specimen to withstand specified severities of broad-band random vibration. Neither test method can be considered more severe than the other, the difference being primarily that method 2 provides more information to quantify the applied test, and is therefore more reproducible.

**EVS-EN 60068-2-65:2002**
Hind 259,00
Identne IEC 60068-2-65:1993
ja identne EN 60068-2-65:1994
**Environmental testing - Part 2: Methods of test - Test Fg: Vibration, acoustically induced**
To provide standard procedures and guidance for conducting acoustic tests in order to determine the ability of a specimen to withstand vibration caused by a specified sound-pressure level environment to which it is, or is liable to be, subjected. For sound-pressure level environments of less than 120 dB acoustic tests are not normally required.

**EVS-EN 60068-2-66:2002**
Hind 199,00
Identne IEC 60068-2-66:1994
ja identne EN 60068-2-66:1994
**Environmental testing - Part 2: Test methods - Test Cx: Damp heat, steady state (unsaturated pressurized vapour)**
This International Standard provides a standard test procedure for the purpose of evaluating, in an accelerated manner, the resistance of small electrotechnical products, primarily non-hermetically sealed components, to the deteriorative effect of damp test.

**EVS-EN 60068-2-68:2002**
Hind 295,00
Identne IEC 60068-2-68:1994
ja identne EN 60068-2-68:1996
**Environmental testing - Part 2: Tests - Test L: Dust and sand**
Specifies test methods to determine the effects of dust and sand suspended in air, on electrotechnical products.

**EVS-EN 60068-2-74:2002**
Hind 155,00
Identne IEC 60068-2-74:1999
ja identne EN 60068-2-74:1999
**Environmental testing - Part 2: Tests - Test Xc: Fluid contamination**
This part of IEC 68 gives a method of test which provides a standard procedure to determine the ability of components, equipment or their constituent materials, hereinafter referred to as specimen, to withstand accidental contact with fluids, without being unacceptably affected. The fluids listed in this part of IEC 68 are representative of those commonly encountered in operational applications.

**EVS-EN 60068-2-75:2002**
Hind 229,00
Identne IEC 60068-2-75:1997
ja identne EN 60068-2-75:1997
**Environmental testing - Part 2: Tests - Test Eh: Hammer tests**

This part of IEC 60068 provides three standardized and co-ordinated test methods for determining the ability of a specimen to withstand specified severities of impact. It is used, in particular, to demonstrate an acceptable level of robustness when assessing the safety of a product and is primarily intended for the testing of electrotechnical items. It consists of the application of the specimen of the prescribed number of impacts defined by their impact energy and applied in the prescribed directions.

**EVS-EN 60068-2-77:2002**
Hind 139,00
Identne IEC 60068-2-77:1999
ja identne EN 60068-2-77:1999
**Environmental testing - Part 2-77: Tests - Test 77: Body strength and impact shock**
Provides test methods applicable to surface mounting devices made of glass or sintered materials such as capacitors, resistors and inductors incorporating ferrites. Two test methods exist: body strength and impact shock. The object of both tests is to evaluate the mechanical stresses applied to SMDs during and after mounting; these tests look at different mechanical stresses.

**EVS-HD 323.2.56 S1:2002**
Hind 109,00
Identne IEC 60068-2-56:1988
ja identne HD 323.2.56 S1:1990
**Basic environmental testing procedures; part 2: tests; test Cb: damp heat, steady state, primarily for equipment**
Determines the suitability of electrotechnical products, principally equipment, for use and storage under conditions of high humidity.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 33676
Tähtaeg: 2001-06-01
Identne IEC 260:1968
ja identne HD 98 S1:1977
**Test enclosures of non-injection type for constant relative humidity**
This Report specifies performance and constructional requirements for conditioning enclosures with forced air circulation which may be used to carry out humidity tests on components or equipment or similar articles. The relative humidity of the air in the enclosure is controlled by the use of saturated salt solutions or glycerine-water mixtures.
prEVS 40000
Tähtaeg: 2003-02-01
Identne IEC 60068-2-5:1975
ja identne EN 60068-2-5:1999
**Basic environmental testing procedures - Part 2: Tests -Test Sa: Simulated solar radiation at ground level**
The object of this test is to determine the effects (thermal, mechanical, chemical, electrical, etc.) produced on equipment and components as a result of exposure to solar radiation under the conditions experienced at the surface of the earth.

## 19.080 Elektrilised ja elektroonilised katse- ja mõõtevahendid

Electrical and electronic testing

## UUED STANDARDID

**EVS-EN 50073:2002**
Hind 179,00
Identne EN 50073:1999
**Guide for selection, installation, use and meaintenance 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.

**EVS-EN 50104:2002**
Hind 155,00
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.

**EVS-EN 60270:2002**
Hind 283,00
Identne IEC 60270:2000
ja identne EN 60270:2001
**High-voltage test techniques - Partial discharge measurements**
The standard is applicable to the measurement of partial discharges which occur in electrical apparatus, components or systems when tested with alternating voltages up to 400 Hz or with direct voltage.

**EVS-EN 61032:2002**
Hind 212,00
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.

**EVS-EN 61107:2002**
Hind 295,00
Identne IEC 61107:1996
ja identne EN 61107:1996
**Data exchange for meter reading, tariff and load control - Direct local data exchange**

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

**EVS-EN 61220:2002**
Hind 259,00
Identne IEC 61220:1993
ja identne EN 61220:1995
**Ultrasonics - Fields - Guidance for the measurement and characterization of ultrasonic fields generated by medical ultrasonic equipment using hydrophones in the frequency range 0,5 MHz to 15 MHz**
Provides guidance on the practical measurement of the acoustic output of various types of medical ultrasonic equipment. Contains also procedures for correcting limitations caused by the use of hydrophones with finite bandwidth and finite active element size.

**EVS-EN 61010-1:2002**
Hind 360,00
Identne IEC 61010-1:2001
ja identne EN 61010-1:2001
**Safety requirements for electrical equipment for measurement, control and laboratory use - Part 1: General requirements**
This International Standard specifies general safety requirements for electrical equipment intended for professional, industrial process, and educational use, including equipment and computing devices for: Measurement and test, control, laboratory use, and accessories intended for use with the above (e.g. sample handling equipment).

**EVS-EN 61083-1:2002**
Hind 247,00
Identne IEC 61083-1:2001
ja identne EN 61083-1:2001
**Instruments and software used for measurements in high-voltage impulse tests - Part 1: Requirements for instruments**
This part of IEC 61083 is applicable to digital recorders and digital oscilloscopes, analog oscilloscopes and peak voltmeters used for measurements during tests with high impulse voltages and high impulse currents. It specifies the measuring characteristics and calibrations required to meet the measuring uncertainties and procedures specified in IEC 60060-2.

**EVS-EN 61180-1:2002**
Hind 259,00
Identne IEC 61180-1:1992
ja identne EN 61180-1:1994
**High-voltage test techniques for low-voltage equipment - Part 1: Definitions, test and procedure requirements**
Applies to: -dielectric tests with direct voltage -dielectric tests with alternating voltage -dielectric tests with impulse voltage -tests with impulse current -tests with combinations of the above.

**EVS-EN 61207-1:2002**
Hind 229,00
Identne IEC 61207-1:1994
ja identne EN 61207-1:1994
**Expression of performance of gas analyzers; part 1: general**
Applies to gas analyzers used for the determination of certain constituents in gaseous mixtures. Specifies general aspects of terminology and definitions related to the performance. Unifies methods for making and verifying statements on functional performance. Specifies tests to determine functional performance.

**EVS-EN 61207-6:2002**
Hind 212,00
Identne IEC 61207-6:1994
ja identne EN 61207-6:1994
**Expression of performance of gas analyzers - Part 6: Photometric analyzers**
Applies to analyzers using non-dispersive and dispersive wavelength selection and using absorption, emission, or wavelength derivative techniques. Applies to analyzers receiving conditioned or unconditioned samples of gas under vacuum or pressurized, and to measurements directly within the sample gas.

**EVS-EN 60512-11-8:2002**
Hind 92,00
Identne IEC 60512-11-8:1995
ja identne EN 60512-11-8:1999
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 11: Climatic tests - Section 8: Test 11 h: Sand and dust**
This section of IEC 512-11 defines a standard test method to assess the ability of a connector to withstand driving fine sand and dust.

**EVS-EN 61010-2-045:2002**
Hind 212,00
Identne IEC 61010-2-045:2000
ja identne EN 61010-2-045:2000
**Safety requirements for electrical equipment for measurement control and laboratory use - Part 2-045: Particular requirements for washer-disinfectors used in medical, pharmaceutical, veterinary and laboratory fields**
This Standard applies to washer disinfectors and other equipment incorporating washing and disinfection processes for the treatment of soiled items used in the medical, veterinary, pharmaceutical, and laboratory fields. NOTE - This equipment may have one or more chambers and a loading and unloading system.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 40177
Tähtaeg: 2003-02-01
Identne IEC 61010-2-081:2001
ja identne EN 61010-2-081:2002
**Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes**
Applies to automatic and semi-automatic laboratory equipment for analysis and other purposes. Automatic and semi-automatic laboratory equipment consists of instruments or systems for measuring or modifying characteristics of samples, performing the process without manual intervention. Examples of such equipment are: analytical equipment, automatic sampler (e.g. pipettor), equipment for sample replication and amplification.

## 21.060.01 Kinnituselemendid üldiselt

Fasteners in general

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55163
Tähtaeg: 2003-03-01
Identne prEN 14592:2002
**Timber structures - Fasteners - Requirements**
For the purpose of this standard, fasteners for timber structures are taken to be nails, staples, screws, dowels, and bolts. Definitions of

these items are given in clause 4 below. Only products manufactured from steel are covered by this standard
prEVS 55374
Tähtaeg: 2003-03-01
Identne ISO 16426:2002
ja identne EN ISO 16426:2002
**Fasteners - Quality assurance system**
This International Standard specifies requirements for a faster quality assurance system to be met by the fastener manufacturers and distributors

## 21.060.40 Needid

### Rivets

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55067
Tähtaeg: 2003-03-01
Identne ISO 15975:2002
ja identne EN ISO 15975:2002
**Closed end blind rivets with break pull mandrel and protruding head - Al/AlA**
This International Standard specifies dimensional and mechanical characteristics and application data for closed end blind rivets with break pull mandrel and protruding head, with a commercial pure aluminium body (Al) and an aluminium alloy mandrel (AIA) and with nominal diameters, d, from 3,2 mm up to and including 4,8
prEVS 55068
Tähtaeg: 2003-03-01
Identne ISO 15977:2002
ja identne EN ISO 15977:2002
**Open end blind rivets with break pull mandrel and protruding head - AIA/St**
This International Standard specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with an aluminium body (Al) and a steel mandrel (St) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm
prEVS 55069
Tähtaeg: 2003-03-01
Identne ISO 15976:2002
ja identne EN ISO 15976:2002
**Closed end blind rivets with break pull mandrel and protrudiing head - St/St**
This International Standard specifies dimensional and mechanical characteristics and application data for closed end blind rivets with break pull mandrel and protruding head, with a steel body (St) and a steel mandrel (St) and with nominal diameters, d, from 3,2 mm up to and including 6,4 mm
prEVS 55070
Tähtaeg: 2003-03-01
Identne ISO 15978:2002
ja identne EN ISO 15978:2002
**Open end blind rivets with break pull mandrel and countersunk head - AIA/St**
This International Standard specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and countersunk head, with an aluminium alloy (AIA) body and a steel mandrel (St) and with nominal diameters, d, from 2,4 mm up to and including 5 mm
prEVS 55071
Tähtaeg: 2003-03-01
Identne ISO 15979:2002
ja identne EN ISO 15979:2002
**Open end blind rivets with break pull mandrel and protruding head - St/St**
This International Standard specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with a steel body (St) body and a steel mandrel (St) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm
prEVS 55072
Tähtaeg: 2003-03-01
Identne ISO 15981:2002
ja identne EN ISO 15981:2002
**Open end blind rivets with break pull mandrel and protruding head - AIA/AIA**
This International Standard specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with an aluminium body (ALA) and an aluminium mandrel (ALA) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm
prEVS 55075
Tähtaeg: 2003-03-01
Identne ISO 15983:2002
ja identne EN ISO 15983:2002
**Open end blind rivets with break pull mandrel and protruding head - A2/A2**
This International Standard specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and protruding head, with an austenitic stainless steel body (A2) and an austenitic stainless steel mandrel (A2) and with nominal diameters, d, from 3 mm up to and including 5 mm
prEVS 55377
Tähtaeg: 2003-03-01
Identne ISO 15982:2002
ja identne EN ISO 15982:2200
**Open end blind rivets with break pull mandrel and countersunk head - AIA/AIA**
This International Standard specifies dimensional and mechanical characteristics and application data for open end blind rivets with break pull mandrel and countersunk head, with an aluminium alloy body (AIA) and an aluminium alloy mandrel (AIA) and with nominal diameters, d, from 2,4 mm up to and including 6,4 mm

## 23.020.01 Gaasi- ja vedelikumahutid üldiselt

### Fluid storage devices in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 36697
Tähtaeg: 2003-03-01
Identne prEN 13160-1:2002
**Leak detection systems - Part 1: General principles**
This European Standard specifies the general principles for leak detection systems for use with double-skin tanks, single-skin tanks and pipework designed for water polluting fluids
prEVS 36700
Tähtaeg: 2003-03-01
Identne prEN 13160-2:2002
**Leak detection systems - Part 2: Pressure and vacuum systems**
This European Standard specifies the requirements for leak detection systems class I for use with double-skin systems, designed for water polluting fluids
prEVS 36701
Tähtaeg: 2003-03-01
Identne prEN 13160-3:2002

**Leak detection systems - Part 3: Liquid systems for tanks**
This European Standard specifies the requirements for leak detection systems class II for use with double-skin tanks designed for water polluting fluids
prEVS 36702
Tähtaeg: 2003-03-01
Identne prEN 13160-4:2002
**Leak detection systems - Part 4: Liquid and/or vapour sensor systems for use in leakage containments or interstitial spaces**
This standard specifies the requirements for leak detection systems - class III for use in the interstitial space of double-skin systems or in leakage containments of single skin systems designed for water polluting fluids
prEVS 36704
Tähtaeg: 2003-03-01
Identne prEN 13160-6:2002
**Leak detection systems - Part 6: Sensors in monitoring wells**
This European Standard specifies the requirements for leak detection systems class V for use with systems designed for fuels which are flammable, having a flash point up to but not exceeding 100 °C
prEVS 36705
Tähtaeg: 2003-03-01
Identne prEN 13160-7:2002
**Leak detection systems - Part 7: General requirements and test methods for interstitial spaces, leak protecting linings and leak protecting jackets**
This European Standard specifies the type test of the interstitial space and the general requirements and test methods for leak protecting linings and leak protecting jackets which are parts of leak detection systems

## 23.020.10 Statsionaarsed mahutid ja reservuaarid

Stationary containers and tanks

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 38374
Tähtaeg: 2003-03-01
Identne prEN 13121-1:2002
**GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance conditions**
This European Standard gives requirements for specification and acceptance conditions of raw materials for GRP tanks and vessels with or without lining for storage or processing of fluids, factory made or site built, non pressurised or pressurised, for use above ground

## 23.020.30 Surveanumad, gaasiballoonid

Pressure vessels, gas cylinders

### UUED STANDARDID

**EVS-EN 13109:2002**
Hind 83,00
Identne EN 13109:2002
**LPG tanks - Disposal**
This European standard specifies methods for the safe disposal of tanks above 150 litre water capacity.

**EVS-EN 14075:2002**
Hind 212,00
Identne EN 14075:2002
**Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m3 and for installation underground - Design and manufacture**
This European Standard specifies requirements for the design and manufacture of static welded steel cylindrical tanks, serially produced for the storage of liquefied petroleum gas (LPG) with a volume not greater than 13 m3 and for installation underground

**EVS-EN 1089-2:2002**
Hind 92,00
Identne EN 1089-2:2002
**Transportable gas cylinders - Gas cylinder identification (excluding LPG) - Part 2: Precautionary labels**
This European Standard specifies the design, content, i.e. hazard symbols and text, and application of precautionary labels intended for use on the shoulders of individual gas cylinders containing single gases or gas mixtures or immediately below (maximum 50 mm from the rounded part). Labels for bundles of cylinders and for LPG cylinders are not covered by this standard.

**EVS-EN 286-1:2000/A1:2002**
Hind 57,00
Identne EN 286-1:1998/A1:2002
**Simple unfired pressure vessels designed to contain air or nitrogen - Part 1: Pressure vessels for general purposes**
This part of this European Standard applies to the design and manufacture of welded, simple unfired pressure vessels manufactured in series, with a single compartment, here-in-after referred to as vessels, the essential safety requirements of which are given in Annex G

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55074
Tähtaeg: 2003-03-01
Identne prEN 13952:2002
**LPG cylinders - Filling procedures**
This European Standard specifies the requirements for the operation of a cylinder filing plant to ensure that filling of LPG cylinders is carried out in a controlled and safe manner. This European Standard does not cover requirements for filling LPG cylinders that are designed and equipped for filling by the user. This European Standard does not cover requirements for filling LPG containers on vehicles

## 23.020.40 Krüogeenanumad

Cryogenic vessels

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39434
Tähtaeg: 2003-03-01
Identne prEN 13458-3:2002
**Cryogenic vessels - Static vacuum insulated vessels - Part 3: Operational requirements**
This European Standard specifies operational requirements for static vacuum insulated vessels designed for a maximum allowable pressure of more than 0.5 bar. It may also be used as a guideline for vessels designed for a maximum allowable pressure of less than 0,5 bar

## 23.040
## Torustike osad ja torustikud

Pipeline components and pipelines

## UUED STANDARDID

**EVS-EN 60534-6-2:2002**
Hind 101,00
Identne IEC 60534-6-2:2000
ja identne EN 60534-6-2:2001
**Industrial-process control valves - Part 6-2: Mounting details for attachment of positioners to control valves; Positioner mounting on rotary actuators**
This section of IEC 60534-6 is intended to permit a variety of positioning devices, which respond to a rotary 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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55135
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-3:2002
ja identne prEN ISO 15874-3:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings (ISO/FDIS 15874-3:2002)**
This Part of prEN ISO 15874 specifies the characteristics of fittings for polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15874-1:2002)

## 23.040.01
## Torustike osad ja torustikud üldiselt

Pipeline components and pipelines in general

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55114
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15875-5:2002
ja identne prEN ISO 15875-5:2002
**Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 5: Fitness for purpose of the system**
This Part of prEN ISO 15875 specifies the characteristics of the fitness for purpose of crosslinked polyethylene (PE-X) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15875-1:2002)
prEVS 55115
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-1:2002
ja identne prEN ISO 15876-1:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 1: General**
This Part of prEN ISO 15876 specifies the general aspects of polybutylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1)
prEVS 55119
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-5:2002
ja identne prEN ISO 15876-5:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 3: Fittings**
This Part of prEN ISO 15876: specifies the characteristics of fittings for polypropylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15876-1:2002)
prEVS 55124
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-1:2002
ja identne prEN ISO 15874-1:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 1: General**
This Part of prEN ISO 15874 specifies the general aspects of polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1)
prEVS 55136
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-5:2002
ja identne prEN ISO 15874-5:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 5: Fitness for purpose of the system**
This Part of prEN ISO 15874 specifies the characteristics of the fitness for purpose of polypropylene (PP) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15874-1:2002)
prEVS 55137
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-1:2002
ja identne prEN ISO 15877-1:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 1: General**
This Part of prEN ISO 15877 specifies the general requirements of chlorinated poly(vinyl chloride) (PVC-C) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), under design pressures and temperatures appropriate to the class of application (see Table 1)
prEVS 55141
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-5:2002
ja identne prEN ISO 15877-5:2002

**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system**
This Part of prEN ISO 15877 specifies the characteristics of the fitness for purpose of chlorinated poly(vinyl chloride) (PVC-C) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption, (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15877-1:2002)

## 23.040.15
## Värvilisest metallist torud

Non-ferrous metal pipes

### UUED STANDARDID

**EVS-EN 13349:2002**
Hind 92,00
Identne EN 13349:2002
**Copper and coppper alloys - Pre-insulated copper tubes with solid covering**
This draft European Standard specifies the requirements, sampling, test methods and conditions of delivery for seamless round copper tubes covered with solid plastics material. It is applicable to tubes intended for: - distributing networks for hot water and cold water; - hot water heating systems (temperature not exceeding 95°C) including underfloor heating systems; - domestic gas and liquid fuel distribution

## 23.040.20
## Plasttorud

Plastics pipes

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 7347
Tähtaeg: 2003-03-01
Identne ISO/FDIS 3126:2002
ja identne prEN ISO 3126:2002
**Plastics piping systems - Plastics components - Determination of dimensions**
This European Standard specifies methods for measurement and/or determination of the dimensions of plastics pipes and fittings and the accuracy of the measurement. It specifies procedures for measuring angles, diameters, lengths, squareness and wall thicknesses for the purposes of checking conformity to geometric limits
prEVS 55086
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15875-2:2002
ja identne prEN ISO 15875-2:2002
**Plastics piping systems for hot and cold water installations - Crosslinked polethylene (PE-X) - Part 1: General**
This Part of prEN ISO 15875 specifies the general aspects of crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures according to the class of application (see Table 1)
prEVS 55116
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-2:2002
ja identne prEN ISO 15876-2:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 2: Pipes**
This Part of prEN ISO 15876 specifies the characteristics of pipes made of polybutylene (PB) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15876-1:2002)
prEVS 55134
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-4:2002
ja identne prEN ISO 15874-4:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes**
This part of prEN ISO 15874 specifies the characteristics of pipes made from polypropylene (PP) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems under operating pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15874-1:2002)
prEVS 55138
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-2:2002
ja identne prEN ISO 15877-2:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 2: Pipes**
This Part of prEN ISO 15877:2002 specifies the requirements of pipes made from chlorinated poly(vinyl chloride) (PVC-C) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), under design pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15877-1:2002)

## 23.040.45
## Plasttoruliitmikud

Plastics fittings

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55111
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15875-3:2002
ja identne prEN ISO 15875-3:2002
**Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings**
This Part of prEN ISO 15875 specifies the characteristics of fittings for crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption, (domestic systems) and for heating systems, under design pressures and temperatures appropriate to the class of

application (see Table 1 of prEN ISO 15875-1:2002)
prEVS 55117
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-3:2002 ja identne prEN ISO 15876-3:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 3: Fittings**
This Part of prEN ISO 15876: specifies the characteristics of fittings for polypropylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15876-1:2002)
prEVS 55135
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-3:2002 ja identne prEN ISO 15874-3:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings**
**(ISO/FDIS 15874-3:2002)**
This Part of prEN ISO 15874 specifies the characteristics of fittings for polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15874-1:2002)
prEVS 55140
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-3:2002 ja identne prEN ISO 15877-3:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings**
This Part of prEN ISO 15877 specifies the characteristics of fittings made from chlorinated poly(vinyl chloride) (PVC-C) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15877-1:2002)

## 23.040.60 Äärikud, muhvid jm toruühendused

### Flanges, couplings and joints

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 12194
Tähtaeg: 2003-03-01
Identne prEN 1759-3:2002
**Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, Class designated - Part 3: Copper alloy flanges**
This European Standard specifies requirements for circular copper alloy flanges and copper alloy collars combined with loose steel plate flanges in Class designations Class 150 and Class 300 and nominal sizes from DN 10 to DN 900 (NPS ½ to NPS 36) in the types shown in Table 1
prEVS 23158
Tähtaeg: 2003-03-01
Identne prEN 1092-3:2002
**Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 3: Copper alloy flanges**
This European Standard specifies requirements for circular copper alloy flanges and copper alloy collars combined with loose steel plate flanges in PN designations from PN 6 to PN 40 and nominal sizes from DN 10 to DN 1800 in the types shown in Table 1

## 23.040.70 Voolikud ja voolikuühendused

### Hoses and hose assemblies

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39491
Tähtaeg: 2003-03-01
Identne prEN 13483:2002
**Hoses and Hose assemblies with Internal vapour recovery for measured fuel dispensing system - Specification**
systems with an internal vapour recovery tubing or hose. The assemblies are intended for use at ambient temperatures between -30 °C and +65 °C and at a working pressure up to and including 3,5 bar
prEVS 55403
Tähtaeg: 2003-03-01
Identne prEN 1360:2002
**Rubber hoses and hose assemblies for measured fuel dispensing - Specification**
This European Standard specifies minimum requirements for three types of rubber hoses in two categories and two grades of hose assemblies used for measured fuel dispensing, including oxygenated fuels (up to a maximum of 15% oxygenated compounds), having a working temperature range of -30 °C to +55 °C. The maximum working pressure is 16 bar.1) Hoses can be constructed from rubber or thermoplastic elastomer (TPE)

## 23.040.99 Muud torustike komponendid

### Other pipeline components

### UUED STANDARDID

**EVS-EN 10289:2002**
Hind 190,00
Identne EN 10289:2002
**Steel tubes and fittings for onshore and offshore pipelines - External liquid applied epoxy and epoxy-modified coatings**

This European Standard specifies the reqiurements of liquid applied external coating, epoxy (EP) and epoxymodified (EP-MOD), for the corrosion protection of steel 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

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 36697
Tähtaeg: 2003-03-01
Identne prEN 13160-1:2002
**Leak detection systems - Part 1: General principles**
This European Standard specifies the general principles for leak detection systems for use with double-skin tanks, single-skin tanks and pipework designed for water polluting fluids
prEVS 36700
Tähtaeg: 2003-03-01
Identne prEN 13160-2:2002
**Leak detection systems - Part 2: Pressure and vacuum systems**
This European Standard specifies the requirements for leak detection systems class I for use with double-skin systems, designed for water polluting fluids
prEVS 36701
Tähtaeg: 2003-03-01
Identne prEN 13160-3:2002
**Leak detection systems - Part 3: Liquid systems for tanks**
This European Standard specifies the requirements for leak detection systems class II for use with double-skin tanks designed for water polluting fluids
prEVS 36702
Tähtaeg: 2003-03-01
Identne prEN 13160-4:2002
**Leak detection systems - Part 4: Liquid and/or vapour sensor systems for use in leakage containments or interstitial spaces**
This standard specifies the requirements for leak detection systems - class III for use in the interstitial space of double-skin systems or in leakage containments of single skin systems designed for water polluting fluids
prEVS 36704
Tähtaeg: 2003-03-01
Identne prEN 13160-6:2002
**Leak detection systems - Part 6: Sensors in monitoring wells**
This European Standard specifies the requirements for leak detection systems class V for use with systems designed for fuels which are flammable, having a flash point up to but not exceeding 100 °C
prEVS 36705
Tähtaeg: 2003-03-01
Identne prEN 13160-7:2002
**Leak detection systems - Part 7: General requirements and test methods for interstitial spaces, leak protecting linings and leak protecting jackets**
This European Standard specifies the type test of the interstitial space and the general requirements and test methods for leak protecting linings and leak protecting jackets which are parts of leak detection systems

# 23.060 Sulgeseadmed

Valves

## UUED STANDARDID

**EVS-EN 60534-3-1:2002**
Hind 109,00
Identne IEC 60534-3-1:2000
ja identne EN 60534-3-1:2000
**Industrial-process control valves - Part 3-1: Dimensions - Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves**
Section 1 of this standard specifies face-to-face (FTF) and centre-to-face (CTF) dimensions for given nominal sizes and pressure ratings of flanged, two-way, globe-type, straight pattern and angle pattern control valves. The nominal sizes included are DN 15 through DN 400 for straight pattern control valves and DN 25 through DN 400 for angle pattern control valves.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55363
Tähtaeg: 2003-02-01
Identne IEC 61514:2000
ja identne EN 61514:2002
**Industrial-process control systems - Methods of evaluating the performance of valve positioners with pneumatic outputs**
This European Standard specifies tests designed to determine the static and dynamic performance of single-acting or double-acting analogue positioners. The tests may be applied to positioners, which receive standard analogue input signals (as specified in IEC 60381 and IEC 60382) and have a pneumatic output. Positioners with pulsed or digital input signals, positioners with digital controllers and positioners with pulsed outputs are outside the scope of this standard.

# 23.060.40 Rõhuregulaatorid

Pressure regulators

## UUED STANDARDID

**EVS-EN 60534-1:2002**
Hind 146,00
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.

**EVS-EN 60534-2-1:2002**
Hind 272,00
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.

**EVS-EN 60534-2-3:2002**
Hind 199,00
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.

**EVS-EN 60534-3-2:2002**
Hind 101,00
Identne IEC 60534-3-2:2001
ja identne EN 60534-3-2:2001
**Industrial-process control valves - Part 3-2: Dimensions - Face-to-face dimensions for rotary control valves except butterfly valves.**
This section 2 of IEC 60534-3 gives the overall lenghts of following types: segmental ball, eccentric rotary plug, and barstock globe; wafer butterfly valves are excluded.

**EVS-EN 60534-3-3:2002**
Hind 83,00
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 buttweld, 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 buttweld, 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 buttweld end control valves.

**EVS-EN 60534-6-1:2002**
Hind 163,00
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 534-6 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.

**EVS-EN 60534-8-1:2002**
Hind 130,00
Identne IEC 60534-8-1:1986
ja identne EN 60534-8-1:2000
**Industrial-process control valves - Part 8: Noise consideration; Section 1: Laboratory measurement of noise generated by aerodynamic flow through control valves**
Defines equipment, methods and procedures for obtaining laboratory measurements of airborne sound-pressure levels radiated by control valves and/or associated piping configurations, including fixed restrictions, through which compressible fluids are passing. Provides a method of testing the noise-generating characteristics of control valves. The noise characteristics to be determined are useful for comparing the performance of different valves and planning measures for noise abatement.

**EVS-EN 60534-8-2:2002**
Hind 117,00
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.

**EVS-EN 60534-8-3:2002**
Hind 295,00
Identne IEC 60534-8-3:2000
ja identne EN 60534-8-3:2000
**Industrial-process control valves - Part 8-3: Noise considerations; Control valve aerodynamic noise prediction method**
This section of International Standard IEC 534-8 establishes a theoretical method to predict the external sound-pressure level generated in a control valve by the flow of compressible fluids. This method considers only single-phase dry gases and vapours and is based on the perfect gas laws. This section addresses only the noise generated by aerodynamic processes in valves and in the connected piping. It does not consider any noise generated by reflections, mechanical vibrations, unstable flow patterns, and other unpredictable behaviour.

**EVS-EN 60534-8-4:2002**
Hind 179,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 15558
Tähtaeg: 2003-03-01
Identne prEN 13918:2002
**Gas welding equipment - Integrated flowmeter regulators used on cylinders for welding, cutting and allied processes - Classification, specification and tests**
This European Standard specifies the requirements and type test methods of integrated flowmeter regulators for welding, cutting and allied processes. It is applicable to integrated flowmeter regulators which may be equipped with flow control and measuring devices of gas flows on gas cylinders normally used for compressed gases up to 300 bar1) (30 MPa) and carbon dioxide (CO2)

## 23.080 Pumbad

Pumps

## UUED STANDARDID

**EVS-EN 60335-2-41:2001/A1:2002**
Hind 66,00
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.

## 23.120
## Ventilaatorid. Puhurid. Kliimaseadmed

Ventilators. Fans. Air-conditioners

### UUED STANDARDID

**EVS-EN 60704-2-7:2002**
Hind 139,00
Identne IEC 60704-2-7:1997
ja identne EN 60704-2-7:1998
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for fans**
This standard applies to electrical fans (including their accessories and their component parts), for household and similar use, designed for a.c. or d.c. supply.

**EVS-EN 60335-2-65:2001/ A1:2002**
Hind 57,00
Identne IEC 60335-2-65:1993/A1:2000
ja identne EN 60335-2-65:1995/A1:2001
**Safety of household and similar electrical appliances - Part 2: Particular requirements for air-cleaning appliances**
Deals with the safety of electrical air-cleaning appliances for household and similar purposes, whose rated voltages is not more than 250 V for single-phase appliances and 480 V for other appliances. Is to be used in conjunction with IEC 335-1 (third edition).

## 23.140
## Kompressorid ja suruõhumasinad

Compressors and pneumatic machines

### UUED STANDARDID

**EVS-EN 60335-2-34:2002**
Hind 199,00
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.

## 25.040
## Tööstusautomaatika süsteemid

Industrial automation systems

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 38824
Tähtaeg: 2003-02-01
Identne IEC 62014-1:1998
ja identne EN 62014-1:2002
**Electronic design automation libraries - Part 1: Input/output buffer information specifications (IBIS version 3.2)**
Gives specifications for electronic behavioral of digital integrated circuit input/ output analog characteristics. It specifies a consistent software-parsable format for essential behavioral information. The goal of this standard is to support all simulators of all degrees of sophistication.

## 25.040.40
## Mõõtmine ja kontroll tööstusprotsessides

Industrial process measurement and control

### UUED STANDARDID

**EVS-EN 60382:2002**
Hind 109,00
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.

**EVS-EN 60873:2002**
Hind 229,00
Identne IEC 60873:1986
ja identne EN 60873:1993
**Methods of evaluating the performance of electrical and pneumatic analogue chart recorders for use in industrial-process control systems**
Provides methods for evaluating the performance of all electrical and pneumatic analogue chart recorders operating from a standardized signal which may be used in process control. Continuous and dotted line traces, multiple-pen and multiple-channel instruments are covered.

**EVS-EN 60534-1:2002**
Hind 146,00
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.

**EVS-EN 60546-1:2002**
Hind 229,00
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.

**EVS-EN 60546-2:2002**
Hind 117,00
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.

**EVS-EN 60654-1:2002**
Hind 229,00
Identne IEC 60654-1:1993

ja identne EN 60654-1:1993
**Industrial-process measurement and control equipment; operating conditions; part 1: climatic conditions**
Lists environmental climatic conditions e.g. air temperature humidity and air pressure in specified locations to which land-based and offshore industrial-process measurement and control systems may be exposed during operation, during periods when they are installed but inactive and during storage or transportation.

**EVS-EN 60654-2:2002**
Hind 163,00
Identne IEC 60654-2:1979 + A1:1992
ja identne EN 60654-2:1997
**Operating conditions for industrial process measurement and control equipment - Part 2: Power**
The standard gives the limiting values for power received by land-based and off-shore industrial process measurement and control systems or parts of systems, during operation. Maintenance and repair conditions are not considered.

**EVS-EN 60654-3:2002**
Hind 163,00
Identne IEC 60654-3:1983
ja identne EN 60654-3:1997
**Operating conditions for industrial-process measurement and control equipment - Part 3: Mechanical influences**
The standard considers the specific operating conditions of vibration, shock, seismic and mechanical stress conditions to which land-based, and off-shore, industrial-process measurement and control systems or parts of systems may be exposed during operation, storage or transportation. Maintenance and repair conditions are excluded from consideration.

**EVS-EN 60654-4:2002**
Hind 170,00
Identne IEC 60654-4:1987
ja identne EN 60654-4:1997
**Operating conditions for industrial-process measurement and control equipment - Part 4: Corrosive and erosive influences**
The standard considers the corrosive and erosive industrial environment to which land-based and off-shore, industrialprocess measurement and control systems or parts of systems may be exposed during operation, during periods when they are installed but inactive, during storage or transportation. Maintenace and repair conditions are not considered.

**EVS-EN 60770-1:2002**
Hind 190,00
Identne IEC 60770-1:1999
ja identne EN 60770-1:1999
**Transmitters for use in industrial-process control systems - Part 1: Methods for performance evaluation**
The Standard applies to transmitters which have either a standard electric current output signal or a standard pneumatic output signal in accordance with Publication 381-1 or Publication 382. The test detailled herein may be applied to transmitters which have other output signals, provided that allowance is made for such difference. For certain types of transmitters, where the sensor is an integral part, other specific IEC or ISO standards may need to be consulted (e.g. for chemical analysers, flowmeters, etc.)

**EVS-EN 61003-1:2002**
Hind 272,00
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.

**EVS-EN 61069-1:2002**
Hind 229,00
Identne IEC 61069-1:1991
ja identne EN 61069-1:1993
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 1: General considerations and methodology**
Provides methods and procedures for the assessment of industrial-process measurement and control systems. Is intended for users and manufacturers, and also those carrying out assessments as an independent party.

**EVS-EN 61069-3:2002**
Hind 212,00
Identne IEC 61069-3:1996
ja identne EN 61069-3:1996
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 3: Assessment of system functionality**
This part of IEC 1069 describes in detail the method to be used to systematically assess the functionality of an industrial process measurement and control system. The assessment methodology detailed in IEC 1069-2 is applied to obtain the functionality assessment programme. The subsidary functionality properties are analyzed, and criteria to be taken into account when assessing functionality are described.

**EVS-EN 61069-4:2002**
Hind 247,00
Identne IEC 61069-4:1997
ja identne EN 61069-4:1997
**Industrial process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 4: Assessment of system performance**
This part of IEC 1069 covers the method to be used to systematically assess the performance of an industrial process measurement and control systems. The assessment methodology detailed in IEC 1069-2 is applied to obtain the performance assessment programme. The subsidary performance properties are analyzed, and criteria to be taken into account when assessing performance are described.

**EVS-EN 61069-5:2002**
Hind 212,00
Identne IEC 61069-5:1994
ja identne EN 61069-5:1995
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 5: Assessment of system dependability**

This part of IEC 1069 describes in detail the method to be used to systematically assess the dependability of industrial-process measurement and control systems. The assessment methodology detailed in IEC 1069-2 is applied to obtain the dependability assessment programme. The subsidiary dependability properties are analyzed, and criteria to be taken into account when assessing dependability are described

**EVS-EN 61069-6:2002**
Hind 212,00
Identne IEC 61069-6:1998
ja identne EN 61069-6:1998
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assesment. Part 6: Assessment of system operability**
This part of IEC 1069 covers the method to be used to systematically assess the performance of an industrial process measurement and control systems. The assessment methodology detailed in IEC 1069-2 is applied to obtain the performance assessment programme. The subsidary performance properties are analyzed, and criteria to be taken into account when assessing performance are described.

**EVS-EN 61069-7:2002**
Hind 179,00
Identne IEC 61069-7:1999
ja identne EN 61069-7:1999
**Industrial process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 7: Assessment of system safety**
This part of IEC 61069 (formerly IEC 1069) deals with the method which should be used to assess the system property safety of industrial-process measurement and control systems. The treatment of safety in this standard is confined to hazards that can be present within the industrial-process measurement and control system itself. If the system mission includes activities which could affect the safety of the process or equipemnt under control, the requirements of these activities are the subject of IEC 61508.

**EVS-EN 61069-8:2002**
Hind 229,00
Identne IEC 61069-8:1999
ja identne EN 61069-8:1999
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 8: Assessment of non task related system properties**
This part of IEC 61069 deals with the method which should be used to assess the non task related properties of industrial process measurement and control systems. Assessment of a system is the judgement, based on evidence, of the system's suitability for a specific mission or class of missions.

**EVS-EN 61131-3:2002**
Hind 338,00
Identne IEC 61131-3:1993
ja identne EN 61131-3:1993
**Programmable controllers - Part 3: Programming languages**
This European Standard applies to the printed and displayed representation, using characters of the ISO/IEC 646 character set, of the programming languages to be used for programmable controllers. Specifies the syntax and semantics.

**EVS-EN 61131-5:2002**
Hind 283,00
Identne IEC 61131-5:2000
ja identne EN 61131-5:2001
**Programmable controllers - Part 5: Communications**
This part of IEC 61131 specifies communication aspects of a programmable controller. It specifies from the viewpoint of a PC how any device can communicate with a PC as a server and how a PC can communicate with any device.

**EVS-EN 60534-2-1:2002**
Hind 272,00
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.

**EVS-EN 60534-3-1:2002**
Hind 109,00
Identne IEC 60534-3-1:2000
ja identne EN 60534-3-1:2000
**Industrial-process control valves - Part 3-1: Dimensions - Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves**
Section 1 of this standard specifies face-to-face (FTF) and centre-to-face (CTF) dimensions for given nominal sizes and pressure ratings of flanged, two-way, globe-type, straight pattern and angle pattern control valves. The nominal sizes included are DN 15 through DN 400 for straight pattern control valves and DN 25 through DN 400 for angle pattern control valves.

**EVS-EN 60534-3-2:2002**
Hind 101,00
Identne IEC 60534-3-2:2001
ja identne EN 60534-3-2:2001
**Industrial-process control valves - Part 3-2: Dimensions - Face-to-face dimensions for rotary control valves except butterfly valves.**
This section 2 of IEC 60534-3 gives the overall lenghts of following types: segmental ball, eccentric rotary plug, and barstock globe; wafer butterfly valves are excluded.

**EVS-EN 60534-3-3:2002**
Hind 83,00
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 buttweld, 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 buttweld, 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 buttweld end control valves.

**EVS-EN 60534-6-2:2002**
Hind 101,00
Identne IEC 60534-6-2:2000
ja identne EN 60534-6-2:2001

**Industrial-process control valves - Part 6-2: Mounting details for attachment of positioners to control valves; Positioner mounting on rotary actuators**
This section of IEC 60534-6 is intended to permit a variety of positioning devices, which respond to a rotary 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.

**EVS-EN 60534-8-1:2002**
Hind 130,00
Identne IEC 60534-8-1:1986
ja identne EN 60534-8-1:2000
**Industrial-process control valves - Part 8: Noise consideration; Section 1: Laboratory measurement of noise generated by aerodynamic flow through control valves**
Defines equipment, methods and procedures for obtaining laboratory measurements of airborne sound-pressure levels radiated by control valves and/or associated piping configurations, including fixed restrictions, through which compressible fluids are passing. Provides a method of testing the noise-generating characteristics of control valves. The noise characteristics to be determined are useful for comparing the performance of different valves and planning measures for noise abatement.

**EVS-EN 60534-8-2:2002**
Hind 117,00
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.

**EVS-EN 60534-8-3:2002**
Hind 295,00
Identne IEC 60534-8-3:2000
ja identne EN 60534-8-3:2000
**Industrial-process control valves - Part 8-3: Noise considerations; Control valve aerodynamic noise prediction method**
This section of International Standard IEC 534-8 establishes a theoretical method to predict the external sound-pressure level generated in a control valve by the flow of compressible fluids. This method considers only single-phase dry gases and vapours and is based on the perfect gas laws. This section addresses only the noise generated by aerodynamic processes in valves and in the connected piping. It does not consider any noise generated by reflections, mechanical vibrations, unstable flow patterns, and other unpredictable behaviour.

**EVS-EN 60534-8-4:2002**
Hind 179,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 38827
Tähtaeg: 2003-02-01
Identne IEC 61131-7:2000
ja identne EN 61131-7:2000
**Programmable controllers - Part 7: Fuzzy control programming**
This part of IEC 61131 defines a language for programming of Fuzzy Control applications which use programmable controllers.

prEVS 54195
Tähtaeg: 2003-02-01
Identne ISO 10303-210:2001
ja identne EN ISO 10303-210:2002
**Industrial automation systems and integration - Product data representation and exchange - Part 210: Application protocol: Electronic assembly, interconnection, and packaging design**

prEVS 55363
Tähtaeg: 2003-02-01
Identne IEC 61514:2000
ja identne EN 61514:2002
**Industrial-process control systems - Methods of evaluating the performance of valve positioners with pneumatic outputs**
This European Standard specifies tests designed to determine the static and dynamic performance of single-acting or double-acting analogue positioners. The tests may be applied to positioners, which receive standard analogue input signals (as specified in IEC 60381 and IEC 60382) and have a pneumatic output. Positioners with pulsed or digital input signals, positioners with digital controllers and positioners with pulsed outputs are outside the scope of this standard.

## 25.080.10 Treipingid

Lathes

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55080
Tähtaeg: 2003-03-01
Identne EN 12415:2000/A1:2002
**Safety of machine tools - Small numerically controlled turning machines and turning centres**
This European Standard specifies requirements and/or measures to remove the hazards and limit risks on general purpose numerically controlled turning machines and turning centres which aredesigned primarily to work cold meta with no access to the work-zone during machining as defined in 3.1 and 3.2 and hereafter referred to as machines

## 25.080.60 Saagimispingid

Sawing machines

## UUED STANDARDID

**EVS-EN 50144-2-10:2002**
Hind 92,00
Identne EN 50144-2-10:2001
**Safety of hand-held electric motor operated tools - Part 2-10: Particular requirements for jig saws**
This standard applies to jig saws. NOTE: This standard does not apply to sabre saws.

**EVS-EN 50144-2-11:2002**
Hind 75,00

Identne EN 50144-2-11:1996
**Safety of hend-held electric motor operated tools - Part 2-11: Particular requirements for sabre saws and double blade reciprocating saws**
This standard applies to sabre saws and double blade reciprocating saws intended to cut wood and similar material

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55133
Tähtaeg: 2003-02-01
Identne IEC 61029-2-5:1993 + A1:2001
ja identne EN 61029-2-5:2002
**Safety of transportable motor-operated electric tools - Part 2: Particular requirements for band saws**
Applies to transportable band saws having a length of saw band not more than 2 500 mm and band wheels having a diameter of not more than 315 mm.

## 25.100.50 Keermepuurid ja -lõikurid

Taps and threading dies

### UUED STANDARDID

**EVS-EN 50144-2-9:2002**
Hind 75,00
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.

## 25.120.10 Sepistusseadmed. Pressid. Käärid

Forging equipment. Presses. Shears

### UUED STANDARDID

**EVS-EN 50144-2-6:2002**
Hind 117,00
Identne EN 50144-2-6:2000+A1:2001
**Safety of hand-held electric motor operated tools - Part 2-6: Particular requirements for hammers**
This standard applies to hammers including rotary hammers. This standard does not give requirements for the reduction of the risk arising from noise and vibration.

**EVS-EN 50144-2-8:2002**
Hind 75,00
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.

## 25.140.20 Elektritööriistad

Electric tools

### UUED STANDARDID

**EVS-EN 61176:2002**
Hind 190,00
Identne IEC 61176:1993
ja identne EN 61176:1993
**Hand-held electric mains voltage operated circular saws - Methods for measuring the performance**
This European Standard applies to hand-held electrically operated circular saws, intended for household and similar use both indoors and outdoors. Defines the principal performance characteristics of circular saws that are of interest to the user and describes the standardized methods for measuring these characteristics.

**EVS-EN 50144-2-6:2002**
Hind 117,00
Identne EN 50144-2-6:2000+A1:2001
**Safety of hand-held electric motor operated tools - Part 2-6: Particular requirements for hammers**
This standard applies to hammers including rotary hammers. This standard does not give requirements for the reduction of the risk arising from noise and vibration.

**EVS-EN 50144-2-7:2002**
Hind 75,00
Identne EN 50144-2-7:2000
**Safety of hand-held electric motor operated tools - Part 2-7: Particular requirements for sprayA guns**
This standard applies to spray guns for non-flammable materials. This standard does not give requirements for the reduction of the risk arising from noise and vibration..

**EVS-EN 50144-2-8:2002**
Hind 75,00
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.

**EVS-EN 50144-2-9:2002**
Hind 75,00
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.

**EVS-EN 50144-1:2001/A1:2002**
Hind 83,00
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.

**EVS-EN 50144-2-10:2002**
Hind 92,00
Identne EN 50144-2-10:2001
**Safety of hand-held electric motor operated tools - Part 2-10: Particular requirements for jig saws**
This standard applies to jig saws.
NOTE: This standard does not apply to sabre saws.

**EVS-EN 50144-2-11:2002**
Hind 75,00
Identne EN 50144-2-11:1996
**Safety of hend-held electric motor operated tools - Part 2-11: Particular requirements for sabre saws and double blade reciprocating saws**
This standard applies to sabre saws and double blade reciprocating saws intended to cut wood and similar material

**EVS-EN 50144-2-14:2002**
Hind 101,00
Identne EN 50144-2-14:2001
**Safety of hand-held electric motor operated tools - Part 2-14: Particular requirements for planers**
This standard applies to planers with a cutting width up to 150 mm.
NOTE: For planers with a cutting width above 150 mm other requirements may apply.

**EVS-EN 50144-2-15:2002**
Hind 126,00

Identne EN 50144-2-15:2001
**Safety of hand-held electric motor operated tools - Part 2-15: Particular requirements for hedge trimmers**
This standard applies to hedge trimmers which are designed for use by one operator, for trimming hedges and bushes utilizing one or more linear reciprocating cutter blades.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 22480
Tähtaeg: 2003-02-01
Identne EN 50144-2-3:2002
**Safety of hand-held electric motor operated tools - Part 2-3: Particular requirements for grinders, disk type sanders and polishers**
This standard applies to grinders, with maximum rated rotational speed corresponding to a peripheral speed of 80 m/s, polishers and disc type sanders.
prEVS 30507
Tähtaeg: 2003-02-01
Identne EN 50260-1:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 1: General requirements**
This standard applies to hand-held rechargeable battery-powered motor-operated or magnetically driven tools and the battery packs for such tools including those intended to be charged from chargers with a non-isolated output with an output voltage of not more than 250 V. Battery operated tools which can be operated while connected to the mains shall also comply with EN 50144-1.
prEVS 30514
Tähtaeg: 2003-02-01
Identne EN 50260-2-1:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-1: Particular requirements for drills**
This standard applies to drills. Impact drills are within the scope of this standard.
prEVS 30515
Tähtaeg: 2003-02-01
Identne EN 50260-2-2:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-2: Particular requirements for screwdrivers and impact wrenches**
This standard applies to screwdrivers and impact wrenches.
prEVS 30516
Tähtaeg: 2003-02-01
Identne EN 50260-2-4:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-4: Particular requirements for sanders**
This standard applies to sanders with the exception of all types of disc-type sanders which are covered by EN 50260-2-3.
prEVS 30517
Tähtaeg: 2003-02-01
Identne EN 50260-2-5:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-5: Particular requirements for circular saws and circular knives**
This standard applies to all types of circular saws for cutting wood and similar materials and circular knives.
prEVS 30518
Tähtaeg: 2003-02-01
Identne EN 50260-2-6:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-6: Particular requirements for hammers**
This standard applies to hammers including rotary hammers.
prEVS 30520
Tähtaeg: 2003-02-01
Identne EN 50260-2-7:2002
**Safety of hand-held battery-powered motoroperated tools and battery packs - Part 2-7: Particular requirements for spray guns**
This standard applies to spray guns for non-flammable materials.
prEVS 30522
Tähtaeg: 2003-02-01
Identne EN 50260-2-10:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-10: Particular requirements for reciprocating saws**
This standard applies to all types of reciprocating saws.
prEVS 30523
Tähtaeg: 2003-02-01
Identne EN 50260-2-14:2002
**Safety of hand-held battery-powered motor-operated tools and battery packs - Part 2-14: Particular requirements for routers and laminate trimmers**
This standard applies to routers and trimmers.
prEVS 55133
Tähtaeg: 2003-02-01
Identne IEC 61029-2-5:1993 + A1:2001
ja identne EN 61029-2-5:2002
**Safety of transportable motor-operated electric tools - Part 2: Particular requirements for band saws**
Applies to transportable band saws having a length of saw band not more than 2 500 mm and band wheels having a diameter of not more than 315 mm.
prEVS 55164
Tähtaeg: 2003-02-01
Identne EN 50144-2-13:2002
**Safety of hand-held electric motor operated tools - Part 2-13: Particular requirements for chain saws**
This standard applies to chain saws but does not apply to chain saws operated by two persons and to polecutters and pruners. This standards does not give requirements for the design of the tool to reduce the risks arising from noise and vibration

## 25.140.30 Käsitööriistad

Hand-operated tools

## UUED STANDARDID

**EVS-EN 50109-1:2002**
Hind 101,00
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.

**EVS-EN 50109-2-1:2002**
Hind 101,00
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.

**EVS-EN 50109-2-2:2002**
Hind 101,00
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.

**EVS-EN 50109-2-3:2002**
Hind 155,00
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.

**EVS-EN 50109-2-4:2002**
Hind 126,00
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.

**EVS-EN 50109-2-5:2002**
Hind 126,00
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.

## 25.160.30 Keevitusseadmed

Welding equipment

### UUED STANDARDID

**EVS-EN 13622:2002**
Hind 117,00
Identne EN 13622:2002
**Gas welding equipment - Terminology - Terms used for gas welding equipment**
This standard constitutes a compilation of technical terms and definitions specificly related to gas welding equipment.

**EVS-EN 60974-7:2002**
Hind 212,00
Identne IEC 60 974-7:2000
ja identne EN 60974-7:2000
**Arc welding equipment - Part 7: Torches**
Specifies safety and construction requirements for torches consisting of the torch body, the cable-hose assembly and other components. It does not apply to to torches for air-arc cutting/ gouging

## 25.180.10 Elektriahjud

Electric furnaces

### UUED STANDARDID

**EVS-EN 60239:2002**
Hind 170,00
Identne IEC 60239:1997
ja identne EN 60239:1997
**Nominal dimensions of cylindrical machined graphite electrodes with threaded sockets and nipples for use in electric arc furnaces**
This standard applies to turned and threaded cylindrical electrodes and to graphite nipples for use as full graphite columns on arc furnaces.

**EVS-EN 60398:2002**
Hind 155,00
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.

**EVS-EN 60646:2002**
Hind 155,00
Identne IEC 60646:1992
ja identne EN 60646:1998
**Test method for crucible induction furnaces**
This International Standard applies to electrical installations comprising industrial crucible induction furnaces for melting, holding and superheating. Its object is the standardization of test methods to determine the essential parameters and technical characteristic of electroheat installations comprising the type of furnaces indicated above.

**EVS-EN 60240-1:2002**
Hind 155,00
Identne IEC 60240-1:1992
ja identne EN 60240-1:1994
**Characteristics of electric infra-red emitters for industrial heating - Part 1: Short wave infra-red emitters**
This part deals with bulb reflector infra-red lamps and tubular emitters.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 33354
Tähtaeg: 2003-02-01
Identne IEC 60519-6:2002
ja identne EN 60519-6:2002
**Safety in electroheat installations - Part 6: Specifications for safety in industrial microwave heating equipment**
This standard is applicable to equipment using microwave energy alone or in combination with other kinds of energy for industrial heating of materials, and is to be read in conjunction with IEC Publication 519-1: Safety in Electroheat Installations, Part 1: General Requirements. This standard does not apply to appliances for household and similar purposes (see IEC Publication 335-25: Safety of Household and Similar Electrical Appliances, Part 2: Particular Requirements for Microwave Cooking Appliances).
prEVS 55180
Tähtaeg: 2003-02-01
Identne IEC 61922:2002
ja identne EN 61922:2002
**High-frequency induction heating installations - Test methods for the determination of power output of the generator**
Applicable to industrial radio- or high-frequency induction heating installations used for the purpose of thermal applications (e.g. for surface hardening, welding, soldering, melting, forging, zone refining of semiconductors, etc.). Relates to high-frequency induction heating installations in the frequency range up to 300 MHz for power levels of 500 W and above, comprising high-frequency generators and inductors together with necessary mechanical devices for charge handling (e.g. hardening machines). The main purpose is to provide the test methods for the determination of output power of industrial high-frequency induction heating power sources.

# 25.220.10 Haaveldus

Surface preparation

## UUED STANDARDID

**EVS-EN 60335-2-79:2001/A1:2002**
Hind 66,00
Identne IEC 60335-2-79:1995/A1:2000
ja identne EN 60335-2-79:1998/A1:2001
**Safety of household and similar electrical appliances - Part 2: Particular requirements for high pressure cleaners and steam cleaners, for industrial and commercial use**
This standard applies to high pressure cleaners having a pressure not less than 25 bars and not more than 250 bars with an input to the drive for the high pressure pump not exceeding 10 kW. It also applies to steam cleaners having a usable volume of the water container equal to or greater than 1,5 litres even if the pressure is less than 25 bars.

# 25.220.60 Orgaanilised pinded

Organic coatings

## UUED STANDARDID

**EVS-EN 10289:2002**
Hind 190,00
Identne EN 10289:2002
**Steel tubes and fittings for onshore and offshore pipelines - External liquid applied epoxy and epoxy-modified coatings**
This European Standard specifies the reqiurements of liquid applied external coating, epoxy (EP) and epoxymodified (EP-MOD), for the corrosion protection of steel 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

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 39319
Tähtaeg: 2003-03-01
Identne prEN 13438:2002
**Powder organic coatings for galvanized steel products for construction purposes**
This standard specifies performance requirements for powder coatings applied to galvanized steel products, for architectural (internal and external application), fencing and construction purposes. Galvanized steel products may be articles batch hot dip galvanized (galvanized after fabrication) or articles consisting of continuous hot dip galvanized sheet which is then subsequently fabricated
prEVS 55157
Tähtaeg: 2003-03-01
Identne prEN 10169:2002
**Pidevmeetodil orgaanilise materjaliga kaetud (rullis kaetud) tasapinnalised terastooted. Osa 1: Üldinfo (määratlused, materjalid, tolerantsid, katsemeetodid)**
This European Standard provides information on the selection and ordering of continuously organic coated (coil coated) steel flat products and specifies appropriate technical requirements for the products, e.g. for test methods and tolerances on coating thickness, appearance, and product dimensions and shape

# 27.020 Sisepõlemismootorid

Internal combustion engines

## UUED STANDARDID

**EVS-EN 55012:2002**
Hind 283,00
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.

## 27.040
## Gaasi- ja auruturbiinid. Aurumasinad

Gas and steam turbines. Steam engines

### UUED STANDARDID

**EVS-EN 45510-4-4:2002**
Hind 146,00
Identne EN 45510-4-4:2002
**Guide for procurement of power station equipment - Part 4-4: Boiler auxiliaries - Fuel preparation equipment**
This European Standard gives guidance on writing the technical specification for the procurement of fuel preparation plant for solid, liquid or gaseous fuels associated with steam generating plant, for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide

**EVS-EN 45510-4-5:2002**
Hind 190,00
Identne EN 45510-4-5:2002
**Guide for procurement of power station equipment - Part 4-5: Boiler auxiliaries - Coal handling and bulk storage plant**
This standard gives guidance on writing the technical specification for the procurement of coal handling and bulk storage plant for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide

## 27.100
## Elektrijaamad üldiselt

Power stations in general

### UUED STANDARDID

**EVS-EN 45510-2-5:2002**
Hind 170,00
Identne EN 45510-2-5:2002
**Guide for procurement of power station equipment - Part 2-5: Electrical equipment; Motors**
This Standard gives guidance on writing the tchnical specification for the procurement of motors for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide.

**EVS-EN 45510-2-7:2002**
Hind 163,00
Identne EN 45510-2-7:2002
**Guide for procurement of power station equipment - Part 2-7: Electrical equipment; Switchgear and controlgear**
This Standard gives guidance on writing the technical specification for the procurement of switchgear and controlgear for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide.

**EVS-EN 45510-4-4:2002**
Hind 146,00
Identne EN 45510-4-4:2002
**Guide for procurement of power station equipment - Part 4-4: Boiler auxiliaries - Fuel preparation equipment**
This European Standard gives guidance on writing the technical specification for the procurement of fuel preparation plant for solid, liquid or gaseous fuels associated with steam generating plant, for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide

**EVS-EN 45510-4-5:2002**
Hind 190,00
Identne EN 45510-4-5:2002
**Guide for procurement of power station equipment - Part 4-5: Boiler auxiliaries - Coal handling and bulk storage plant**
This standard gives guidance on writing the technical specification for the procurement of coal handling and bulk storage plant for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide

## 27.140
## Hüdroenergeetika

Hydraulic energy engineering

### UUED STANDARDID

**EVS-EN 60193:2002**
Hind 506,00
Identne IEC 60193:1999
ja identne EN 60193:1999
**Hydraulic turbines, storage pumps and pump-turbines - Model acceptance tests**
This International Standard applies to laboratory models of any type of impulse or reaction hydraulic turbine, storage pump or pump-turbine.

**EVS-EN 60609-2:2002**
Hind 170,00
Identne IEC 60609-2:1997
ja identne EN 60609-2:1999
**Cavitation pitting evaluation in hydraulic turbines, storage pumps and pump-turbines - Part 2: Evaluation in pelton turbines**
This part of IEC 609 serves as a basis for the formulation of guarantees on cavitation pitting on Pelton turbine runners and also for the measurement and evaluation of the amount of cavitation pitting on Pelton turbine runners of a given turbine, which is defined in the contract by power, specific hydraulic energy of machine (head), rotational speed, material, operation, etc.

## 27.160
## Päikeseenergeetika

Solar energy engineering

## UUED STANDARDID

**EVS-EN 61173:2002**
Hind 163,00
Identne IEC 61173:1992
ja identne EN 61173:1994
**Overvoltage protection for photovoltaic (PV) power generating systems - Guide**
This International Standard gives guidance on the protection of overvoltage issues for both stand-alone and grid-connected photovoltaic power generating systems. It is intended to identify sources of overvoltage hazards (including lightning) to define the types of protection such as grounding, shielding, stroke interception and protective devices.

**EVS-EN 61683:2002**
Hind 139,00
Identne IEC 61683:1999
ja identne EN 61683:2000
**Photovoltaic systems - Power conditioners - Procedure for measuring efficiency**
This document describes guidelines for measuring the efficiency of power conditioners used in stand-alone and utility-interactive photovoltaic systems, where the output of the power conditioners is a stable AC voltage of constant frequency or a stable DC voltage. The efficiency shall be calculated from a direct measurement of input and output power in the factory. An isolation transformer shall be included where it is applicable.

**EVS-EN 61701:2002**
Hind 83,00
Identne IEC 61701:1995
ja identne EN 61701:1999
**Salt mist corrosion testing of photovoltaic (PV) modules**
Determines the resistance of the module to corrosion from salt mist.

**EVS-EN 61702:2002**
Hind 92,00
Identne IEC 61702:1995
ja identne EN 61702:1999
**Rating of direct coupled photovoltaic (PV) pumping systems**
Defines predicted short-term characteristics (instantaneous and for a typical daily period) of direct coupled photovoltaic (PV) water pumping systems.

**EVS-EN 61721:2002**
Hind 83,00
Identne IEC 61721:1995
ja identne EN 61721:1999
**Susceptibility of a photovoltaic (PV) module to accidental impact damage (resistance to impact test)**
Determines the susceptibility of a module to accidental impact damage.

**EVS-EN 61725:2002**
Hind 109,00
Identne IEC 61725:1997
ja identne EN 61725:1997
**Analytical expression for daily solar profiles**
This procedure provides a normative equation for analytically deriving a set of data points or a curve of irradiance versus time of day for a synthetic solar day.

**EVS-EN 61829:2002**
Hind 130,00
Identne IEC 61829:1995
ja identne EN 61829:1998
**Crystalline silicon photovoltaic (PV) array - On-site measurement of I-V characteristics**
This International standard describes procedures for on-site measurement of crystalline silicon photovoltaic (PV) array characteristics and for extrapolating these data to Standard Test Conditions (STC) or other selected temperatures and irradiance values. Measurements of PV array I-V characteristics under actual on-site conditions and their extrapolation to Acceptance Test Conditions (ATC) can provide (see annex A and QC 001002): - data on power rating - verification of installed array power performance relative to design specifications - detection of possible differences between on-site module characteristics and laboratory or factory measurements - detection of possible performance degradation of modules and arrays with respect to on-site initial data For a particular module on-site measurement extrapolated to Standard Test Conditions (STC) can be directly compared with results previously obtained in laboratory or factory for that module, provided that in both measurements the reference devices have the same spectral and spatial response as described in the relevant IEC 904. Data from on-site array measurements contain diode, cable and mismatch lossos. Therefore, they are not directly comparable to the sum of the respective module data. If a PV array is formed with sub-arrays of different tilt, orientation, technology or electrical configuration, the procedure described here will be applied to each unique PV sub-array.

**EVS-EN 60904-1:2002**
Hind 109,00
Identne IEC 60904-1:1987
ja identne EN 60904-1:1993
**Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics**
Describes measurement procedures for current-voltage characteristics of crystalline silicon photovoltaic devices in natural or simulated sunlight. These procedures are applicable to a single solar cell, a sub-assembly of solar cells, or a flat module.

**EVS-EN 60904-2:2002**
Hind 163,00
Identne IEC 60904-2:1989+ A1:1998
ja identne EN 60904-2:1993+ A1:1998
**Photovoltaic devices - Part 2: Requirements for reference solar cells**
Applies to the following crystalline silicon photovoltaic devices for terrestrial applications: single solar cells with or without protective cover, sub-assemblies at solar cells, and flat modules.

**EVS-EN 60904-3:2002**
Hind 179,00
Identne IEC 60904-3:1989
ja identne EN 60904-3:1993
**Photovoltaic devices - Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data**
Applies to the following crystalline silicon photovoltaic devices for terrestrial applications: single solar cells with or without protective cover, sub-assemblies at solar cells, and flat modules.

**EVS-EN 60904-7:2002**
Hind 83,00
Identne IEC 60904-7:1998
ja identne EN 60904-7:1998

**Photovoltaic devices - Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device**
This part of IEC 904 describes the procedure for determining the error introduced in the testing of a photovoltaic device caused by the interaction of the mismatch between the spectral responses of the test specimen and the reference device, and the mismatch between the test spectrum and the reference spectrum. The procedure applies only to linear photovoltaic devices.

**EVS-EN 60904-8:2002**
Hind 126,00
Identne IEC 60904-8:1998
ja identne EN 60904-8:1998
**Photovoltaic devices - Part 8: Measurement of spectral response of a photovoltaic (PV) device**
This part of IEC 60904 gives guidance for the measurement of the relative spectral response of both linear and non-linear photovoltaic devices. This is only applicable to single-junction devices.

**EVS-EN 60904-10:2002**
Hind 163,00
Identne IEC 60904-10:1998
ja identne EN 60904-10:1998
**Photovoltaic devices - Part 10: Methods of linearity measurement**
This standard describes procedures for determining the degree of linearity of any photovoltaic device parameter with respect to a test parameter. It is primarily intended for use by calibration laboratories, module manufacturers and system designers. It applies to all PV devices and is intended to be carried out on a sample or on a comparable device of indentical technology. It is to be performed prior to all measurement and correction procedures that require a linear device.

## 27.180 Tuulegeneraatorid jt alternatiivsed energiaallikad

Wind turbine systems and other alternative sources of energy

### UUED STANDARDID

**EVS-EN 61724:2002**
Hind 179,00
Identne IEC 61724:1998
ja identne EN 61724:1998
**Photovoltaic system performance monitoring - Guidelines for measurement, data exchange and analysis**
This International standard recommends procedures for the monitoring of energy-related PV system characteristics such as in-plane irradiance, array output, storage input and output, and power conditioner input and output, and for the exchange and analysis of monitored data. The purpose of these procedures is to assess the overall performance of PV systems configured as stand-alone or utility grid-connected, or as hybridised with non-PV power sources such as engine generators and wind turbines. This standard may not be applicable to small stand-alone systems due to the relatively high cost of the measurement equipment.

## 29.020 Elektrotehnika üldküsimused

Electrical engineering in general

### UUED STANDARDID

**EVS-EN 50102:2002**
Hind 101,00
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).

**EVS-EN 50160:2002**
Hind 126,00
Identne EN 50160:1999
**Elektrijaotusvõrkude pinge tunnussuurused**
Käesolev standard normib madal- ja keskpingeelektrivõrkude pinge olulisemad tunnussuurused tarbija liitumispunktis normaaltalitlustingimustel. Standard normib iga tarbija oodatavad toitepinge tunnussuurused või nende piirväärtused, kuid ei kirjelda toitevõrku ühendatud tarbija keskmist olukorda.

**EVS-EN 55020:2002**
Hind 316,00
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.

**EVS-EN 60059:2002**
Hind 75,00
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.

**EVS-EN 60073:2002**
Hind 170,00
Identne IEC 60073:2002
ja identne EN 60073:2002
**Basic and safety principles for man-machines interface, marking and identification - Coning principles for indication devices and actuators**

This International Standard establishes general rules for assigning particular meanings to certain visual, acoustic and tactile indications in order to - increase the safety of persons, property and/or the environment through the safe monitoring and control of the equipment or process; - faciliate the proper monitoring, control and maintenance of the equipment or process; - facilitate the rapid recognition of control conditions and actuator positions.

**EVS-EN 60445:2002**
Hind 146,00
Identne IEC 60445:1999
ja identne EN 60445:2000
**Basic and safety principles for man-machine interface, marking and idetification - Idetification of equipment terminals and of terminations of certain designated conductors, including general rules for an alphanumeric system**
This standard applies to the identification and marking of terminals of electrical equipment distributed as an unit such as resistors, fuses, relays, contactors, transformers, rotating machines and, whenever applicable, to combinations of such equipment (e.g. assembiles). It also applies to the identification of terminations of certain designated conductors.

**EVS-EN 60446:2002**
Hind 126,00
Identne IEC 60446:1999
ja identne EN 60446:1999
**Basic and safety principles for man-machine interface, marking and identification - Identification of conductors by colours or numerals**
This standard provides general rules for the use of certain colours or numerals to identify conductors including conductors in cables or cores and for busbars, electrical equipment and installations with the aim of avoiding ambiquity and ensuring safe operation.

**EVS-EN 60447:2002**
Hind 212,00
Identne IEC 60447:1993
ja identne EN 60447:1993
**Man-machine interface (MMI) - Actuating principles**
This standard establishes general actuating principles for manually operated actuators forming part of the man-machine interface associated with electrical equipment. The standard has the status of a basic safety publication in accordance with IEC Guide 104.

**EVS-EN 60707:2002**
Hind 117,00
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/m3, 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 is 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.

**EVS-EN 61140:2002**
Hind 259,00
Identne IEC 61140:2001
ja identne EN 61140:2002
**Protection against electric shock - Common aspects for installation and equipment**
Applies to the protection of persons and animals against electric shock. It is intended to give fundamental principles and requirements which are common to electrical installations, systems and equipment or necessary for their co-ordination. Prepared for installations, systems and equipment without a voltage limit. NOTE - There are some clauses in this standard which refer to low-voltage and high-voltage systems, installations and equipment. For the purpose of this standard, low - voltage is any rated voltage up to and including 1 000 V a.c. or 1 500 V d.c. High voltage is any rated voltage exceeding 1 000 V a.c. or 1 500 V d.c. The requirements of this standard apply only if they are incorporated, or are referred to, in the relevant standards. It is not intended to be used as a stand-alone standard. Has the status of a basic safety publication in accordance with IEC Guide 104.

**EVS-EN 50065-1:2002**
Hind 146,00
Identne EN 50065-1:2001
**Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 1: General requirements, frequency bands and electromagnetic disturbances**
This standard applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 kHz to transmit information on low-voltage electrical systems, either on the public supply system or within installations in consumers' premises.

**EVS-EN 50147-1:2002**
Hind 83,00
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 commmon measurement procedure for validating the shielding effectiveness of a shielded enclosure.

**EVS-EN 50147-2:2002**
Hind 130,00
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.

**EVS-EN 61082-1:2002**
Hind 381,00
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.

**EVS-EN 61082-2:2002**
Hind 360,00
Identne IEC 61082-2:1993

ja identne EN 61082-2:1994
**Preparation of documents used in electrotechnology - Part 2: Function-oriented diagrams**
This standard provides rules for function oriented-diagrams such as overview diagrams, function diagrams and circuit diagrams.

**EVS-EN 61082-3:2002**
Hind 247,00
Identne IEC 61082-3:1993
ja identne EN 61082-3:1994
**Preparation of documents used in electrotechnology - Part 3: Connection diagrams, tables and lists**
This standard provides rules for connection diagrams, tables and lists.

**EVS-EN 61082-4:2002**
Hind 247,00
Identne IEC 61082-4:1996
ja identne EN 61082-4:1996
**Preparation of documents used in electrotechnology - Part 4: Location and installation documents**
This part of IEC 1082 provides rules for location and installation documents mainly used for installation work. It covers different systems and objects such as arrangement or installation drawings for site, buildings and equipment, installation drawings or diagrams for site or buildings, and drawings for location on or in components.

**EVS-EN 61180-2:2002**
Hind 163,00
Identne IEC 61180-2:1994
ja identne EN 61180-2:1994
**High-voltage test techniques for low-voltage equipment - Part 2: Test equipment**
Applicable to the test equipment used for dielectric tests on low-voltage equipment. It covers tests with direct, alternating or impulse voltage, impulse current, and tests with a combination of impulse current.

**EVS-EN 60204-11:2002**
Hind 295,00
Identne IEC 60204-11:2000
ja identne EN 60204-11:2000
**Safety of machinery - Electrical equipment of machines - Part 11: Requirements for HV equipment for voltages above 1000 V a.c. or 1500 V d.c. and not exceeding 36 kV**
This part of IEC 60204 applies to the application of electrical and electronic equipment and systems to machines, including a group of machines working together in a co-ordinated manner, but excluding higher level system aspects (i.e., communications between systems).

**EVS-EN 50091-1-2:2002**
Hind 212,00
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.

**EVS-EN 60695-5-1:2002**
Hind 170,00
Identne IEC 60695-5-1:1993
ja identne EN 60695-5-1:1993
**Fire hazard testing - Part 5: Assessment of potential corrosion damage by fire effluent - Section 1: General guidance**
This section of IEC 60695-5 is intended to give guidance on the assessment of corrosion damage: a) to electrotechnical equipment and systems from fire effluent; b) to building structures from fire effluent emitted by electrotechnical equipment and systems.

**EVS-EN 60695-8-1:2002**
Hind 155,00
Identne IEC 60695-8-1:2001
ja identne EN 60695-8-1:2001
**Fire hazard testing - Part 8-1: Heat release - General Guidance**
Provides guidance in the assessment of heat release form electrotechnical products and materials from which they are constructed.

**EVS-EN 60695-9-1:2002**
Hind 126,00
Identne IEC 60695-9-1:1998
ja identne EN 60695-9-1:1999
**Fire hazard testing - Part 9-1: Surface spread of flame - General Guidance**
This part of IEC 60695 provides guidance in the assessment of surface spread of flame for the electrotechnical products and materials from which they are formed.

**EVS-EN 61000-4-5:2002**
Hind 295,00
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.

**EVS-EN 61000-4-6:2002**
Hind 272,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 35796
Tähtaeg: 2003-02-01
Identne IEC 60695-10-3:2002
ja identne EN 60695-10-3:2002
**Fire hazard testing - Part 10-3: Abnormal heat - Mould stress relief distortion test**

This part of IEC 60695-10 specifies the mould strees relief distortion test method for Product Committes. It is applicable to equipment including parts of polymeric materials. This test is intended to simulate the effects caused by relieving of moulding stress by conditioning the product or part at a temperature higher than the maximum normal operating temperature and observing the nature of the resulting changes.
prEVS 55108
Tähtaeg: 2003-02-01
Identne IEC 60695-1-30:2002
ja identne EN 60695-1-30:2002
**Fire hazard testing - Part 1-30: Guidance for assessing the fire hazard of electrotechnical products - Use of preselection testing procedures**
This part is intended to provide: a) generic guidance; and b) guidance for assessing the significance, relevance and limitations of the data from preselection fire tests compared to the data from fire tests that provide input for hazard assessment. Priority is given to fire hazard assessment tests made on the final end-product; however, in certain cases preselection tests may be agreed upon for practical reasons. Examples of test methods which contain combustion characteristics tests specified in the international test methods of IEC and ISO are listed in annex A. Has the status of a basic safety publication in accordance with IEC Guide 104.
prEVS 55143
Tähtaeg: 2003-01-01
Identne IEC 61024-1:1990
**Ehitiste piksekaitse. Osa 1: Üldmõisted**
This standard is applicable to the design and installation of Lightning Protection Systems (LPS) for common structures up to 60 m high.
prEVS 55144
Tähtaeg: 2003-01-01
Identne IEC 61024-1-1:1993
**Ehitiste piksekaitse. Osa1-1: Üldmõisted. Juhis A: Piksekaitse süsteemide kaitsetasemete valik**
Contains information on the classification of structures according to the consequential effects of a lightning stroke. Gives procedures for the selection of a lightning protection system. Is to be used with part 1.
prEVS 55146
Tähtaeg: 2003-01-01
Identne IEC 61024-1-2:1998
**Ehitiste piksekaitse. Osa1-2: Üldmõisted. Juhis B: Piksekaitse süsteemide projekteerimine, paigaldamine, hooldus ja kontroll**
Applicable to the design and installation of Lightning Protection Systems (SPS) for common structures up to 60 m high, in accordance with IEC 61024-1. Provides guidelines on how to use IEC 61024-1 and assists the user with the physical design and construction, maintenance and inspection of an LPS
prEVS 55177
Tähtaeg: 2003-02-01
Identne IEC 61286:2001
ja identne EN 61286:2001
**Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange**
Specifies a standardized coded graphic character set for use in drawings and diagrams, and for the design of graphical symbols. Edition 2 describes the correspondence between this character set and that of ISO/IEC 10646-1.
prEVS 55182
Tähtaeg: 2003-02-01
Identne IEC 61340-2-1:2002
ja identne EN 61340-2-1:2002
**Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge**
Describes test methods for measuring the rate of dissipation of static charge of insulating and static dissipative materials and products. It includes a generic description of test methods and detailed test procedures for specific applications.
prEVS 55210
Tähtaeg: 2003-02-01
Identne IEC 60848:2002
ja identne EN 60848:2002
**GRAFCET specification language for sequential function charts**
Defines the GRAFCET specification language for the functional description of the behaviour of the sequential part of a control system.Specifies the symbols and the rules for the graphical representation of this language, as well as for its interpretation. This standard has been prepared for automated production systems of industrial applications.However no particular area of application is excluded.
prEVS 55243
Tähtaeg: 2003-02-01
Identne IEC 61340-3-1:2002
ja identne EN 61340-3-1:2002
**Electrostatics - Part 3-1: Methods for simulation of electrostatic effects - Human body model (HBM) - Component testing**
Describes the discharge current waveforms used to define the HBM and the basic equipment requirements used to develop these waveforms. Test parameters are defined for testing and classifying the electrostatic discharge (ESD) sensitivity of non-powered devices to the HBM. The purpose of this standard is to establish a test model that will replicate HBM failures and will define the HBM transient current discharge waveform and all necessary test parameters to ensure reliable, reproducible test results. Reproducible data will allow accurate comparisons of HBM ESD sensitivity levels.
prEVS 55266
Tähtaeg: 2003-02-01
Identne IEC 61340-4-3:2001
ja identne EN 61340-4-3:2001
**Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear**
Describes a test method for determining the electrical resistance of footwear used in the control of electrostatic potential on people. This standard is suitable for use by the manufacturer of footwear as well as the end user. A method for measuring the electrical resistance of footwear alone is described and serves as an acceptance test for new footwear. Insulating footwear is not included within the scope of this standard although the electrical resistance measurement techniques may be applicable.
prEVS 55391
Tähtaeg: 2003-02-01
Identne EN 50083-8:2002
**Cable networks for television signals, sound signals and interactive services - Part 8: Electromagnetic compatibility for networks**

This standard for electromagnetic compatibility for installations applies to cabled distribution systems for television, sound and interactive multimedia signals (with the wording "systems" in the sence of the scope of CLC/TC 109) and covers the frequency range 0,3 MHz - 3,0 GHz.
prEVS 55467
Tähtaeg: 2003-02-01
Identne IEC 61340-3-2:2002
ja identne EN 61340-3-2:2002
**Electrostatics - Part 3-2: Methods for simulation of electrostatic effects - Machine model (MM) - Component testing**
Describes the discharge current waveforms used to define the MM and the basic equipment requirements used to develop these waveforms. Test parameters are defined for testing and classifying the electrostatic discharge (ESD) sensitivity of non-powered devices to the MM. The purpose of this standard is to establish a test model that will replicate MM failures and will define the MM transient current discharge waveform and all necessary test parameters to ensure reliable, reproducible test results. Reproducible data will allow accurate comparisons of MM ESD sensitivity levels.

## 29.030 Magnetmaterjalid

Magnetic materials

### UUED STANDARDID

**EVS-EN 60404-2:2002**
Hind 179,00
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.

**EVS-EN 60404-4:2002**
Hind 229,00
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.

**EVS-EN 60424-2:2002**
Hind 126,00
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.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 28119
Tähtaeg: 2003-02-01
Identne IEC 60431:1983 + A2:1996
ja identne EN 60431:1995 + A2:1998
**Dimensions of square cores (RM-cores) made of magnetic oxides and associated parts**
The standard specifies the dimensions that are of importance for mechanical interchangeability for apreferred range of square cores (RM-cores) made of magnetic oxides, the dimensional limits for wound coil formers to be used with these cores and the locations of their terminal pins on a 2,54 mm printed wiring grid in relation to the base outlines of the cores.
prEVS 55158
Tähtaeg: 2003-02-01
Identne IEC 60404-14:2002
ja identne EN 60404-14:2002
**Magnetic materials - Part 14: Methods of measurement of the magnetic dipole moment of a ferromagnetic material specimen by the withdrawal or rotation method**
Applicable to all ferromagnetic materials. It is particularly aimed at the measurement of the magnetic dipole moment of permanent magnet (magnetically hard) materials and the measurement of the specific saturation magnetic polarization of cemented carbide
prEVS 55202
Tähtaeg: 2003-02-01
Identne EN 125401:1991
**Blank Detail Specification: Adjusters used with magnetic oxide (ferrite) cores for use in inductors and tuned transformers**

## 29.035.01 Isolatsioonimaterjalid üldiselt

Insulating materials in general

### UUED STANDARDID

**EVS-EN 60343:2002**
Hind 179,00
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.

**EVS-EN 61006:2002**
Hind 229,00
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.

**EVS-EN 61074:2002**
Hind 179,00
Identne IEC 61074:1991
ja identne EN 61074:1993

**Determination of heats and temperatures of melting and crystallization of electrical insulating materials by differential scanning calorimetry**
The standard describes the method for thermally stable materials with well-defined exothermic and endothermic behaviour. The typical operating temperature range extends from -100 C to +500 C. The temperature range can be extended depending upon the instrumentation used.

**EVS-EN 60243-2:2002**
Hind 109,00
Identne IEC 60243-2:2001
ja identne EN 60243-2:2001
**Electric strength of insulating materials - Test methods - Part 2: Additional requirements for tests using direct voltage**
This standard gives requirements additional to those in IEC 60243-1 for the determination of the electric strength of solid insulating materials under direct voltage stress.

**EVS-EN 60243-3:2002**
Hind 126,00
Identne IEC 60243-3:2001
ja identne EN 60243-3:2001
**Electrical strength of insulating materials - Test methods - Part 3: Additional requirements for 1, 2/50 µs impulse tests**
This international standard gives requirements additional to those in IEC 60243-1 for the determination of the electric strength of solid insulating materials under 1,2/50 micro seconds impulse voltage stress.

**EVS-EN 60455-1:2002**
Hind 130,00
Identne IEC 60455-1:1998
ja identne EN 60455-1:1998
**Resin based reactive compounds used for electrical insulation - Part 1: Definitions and general requirements**
This part of IEC 60455 relates to resin based reactive compounds and their components used for electrical insulation. All reactive compounds are solvent-free and may contain reactive dilutants and fillers. The reactions involved in curing are polymerization and or/crosslinking. This standard does not relate to reactive compounds used as coating powders.

**EVS-EN 60455-2:2002**
Hind 212,00
Identne IEC 60455-2:1998
ja identne EN 60455-2:1999
**Resin based reactive compounds used for electrical insulation - Part 2: Methods of test**
This part of IEC 60455 specifies methods of test to be used for testing resin based reactive compounds, their components and cured compounds used for electrical insulation.

**EVS-EN 60464-1:2002**
Hind 117,00
Identne IEC 60464-1:1998
ja identne EN 60464-1:1999
**Varnishes used for electrical insulation - Part 1: Definitions and general requirements**
This part of IEC 60464 relates to varnishes used for electrical insulation. All varnishes contain solvent. The varnishes may be used for finishing impregnating applications, and may be dried or dried and cured at ambient or elevated temperatures.

**EVS-EN 60626-3:2002**
Hind 295,00
Identne IEC 60626-3:1996+A1:1999
ja identne EN 60626-3:1996+A1:1999
**Combined flexible materials for electrical insulation - Part 3: Specifications for individual materials**
This part of IEC 626 specifies dimensional and performance requirements for individual combined flexible materials. This part is in the form of groups of sheets. Sheets are numbered in accordance with TABLE 1 entitled "Master Listing for IEC-626 Part 3 Sheet Identification"

**EVS-EN 60684-2:2002**
Hind 247,00
Identne IEC 60684-2:1997
ja identne EN 60684-2:1997
**Flexible insulating sleeving - Part 2: Methods of test**
This part of IEC 60684 gives methods of test for flexible insulating sleeving, including heat shrinkable sleeving intended primarily for insulating electrical conductors and connections of electrical apparatus, although they may be used for other purposes.

**EVS-EN 61234-2:2002**
Hind 101,00
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.

**EVS-EN 60216-4-2:2002**
Hind 179,00
Identne IEC 60216-4-2:2000
ja identne EN 60216-4-2:2000
**Electrical insulating materials - Thermal endurance properties - Part 4-2: Ageing ovens; Precision ovens for use up to 300 °C**
Covers minimum performance requirements for ventilated and electrically heated precision ovens for thermal endurance evaluation of electrical insulating materials and other appropriate applications. It covers ovens designed to operate over all or part of the temperature range from 20 K above room temperature up to 300°C. Two possible methods of achieving the required performance are described: a) where the required performance is achieved by precise control of temperature in a simple single chamber oven, i.e., upgraded versions of ovens conforming to IEC 60216-4-1, and, otherwise b)where the required performance is achieved by utilizing a second chamber (iso-box), mounted within the chamber of a single-chamber oven, the purpose of which is to reduce the magnitude of any temperature changes to an acceptable level whilst maintaining the required levels of air changes and circulation.

**EVS-EN 60216-4-3:2002**
Hind 163,00
Identne IEC 60216-4-3:2000
ja identne EN 60216-4-3:2000
**Electrical insulating materials - Thermal endurance properties - Part 4-3: Ageing ovens; Multi-chamber ovens**

This standard covers minimum requirements for ventilated and heated multi-chamber ovens for thermal endurance evaluation of electrical insulating materials and any other appropriate thermal conditioning application, where the use of single chamber ovens is inappropriate. It covers ovens designed to operate over all or part of the temperature range from 20 K above room temperature up to 300 C.

**EVS-EN 60455-3-5:2002**
Hind 117,00
Identne IEC 60455-3-5:2001
ja identne EN 60455-3-5:2001
**Resin based reactive compounds used for electrical insulation - Part 3: Specifications for individual materials; Sheet 5: Unsaturated polyester based impregnating resins**
Gives the requirements for unsaturated polyester based impregnating resins and includes requirements for certain properties at elevated temperature.

**EVS-EN 60464-3-1:2002**
Hind 101,00
Identne IEC 60464-3-1:2001
ja identne EN 60464-3-1:2001
**Varnishes used for electrical insulation - Part 3: Specifications for individual materials; Sheet 1: Ambient curing finishing varnishes**
Gives the requirements for ambient curing finishing varnishes.

**EVS-EN 60464-3-2:2002**
Hind 117,00
Identne IEC 60464-3-2:2001
ja identne EN 60464-3-2:2001
**Varnishes used for electrical insulation - Part 3: Specifications for individual materials; Sheet 2: Hot curing impregnating varnishes**
This sheet specifies requirements for hot curing impregnating varnishes and includes requirements for certain properties at elevated temperatures.

**EVS-EN 60061-2:2001/A25:2002**
Hind 190,00
Identne IEC 60061-2:1969/A25:2002
ja identne EN 60061-2:1993/A25:2002
**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.

**EVS-EN 60684-3-151:2002**
Hind 109,00
Identne IEC 60684-3-151:1998
ja identne EN 60684-3-151:1998
**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 151: Extruded PVC/nitrile rubber - General purposes**
This sheet of IEC 60684-3 gives the requirements for non-heat-shrinkable sleeving, extruded from compounds based on a blend of polyvinyl chloride and acrylonitrile elastomers. Sleeving of this type is normally available with internal diameter up to 25 mm, and in the following opaque colours: Black, brown, red, orange, yellow, green, blue, violet, grey, white, pink and green/yellow.

**EVS-EN 60684-3-212:2002**
Hind 139,00
Identne IEC 60684-3-212:1998
ja identne EN 60684-3-212:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 212: Heat-shrinkable polyolefin sleeving, flame retarded, shrink ratio 2:1**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, flame retarded polyolefin sleeving with a temperature index of 135 °C and a nominal shrink ratio of 2:1. This sleeving is normally supplied with internal diameter up to 102 mm and in the following colours: black,brown, red, yellow, green blue, orange, violet, grey, white and green/yellow. Sizes or colours other than those specifically listed in this standard may by available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-213:2002**
Hind 117,00
Identne IEC 60684-3-213:1998
ja identne EN 60684-3-213:1999
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 213: Heat-shrinkable, polyolefin sleeving, not flame retarded, shrink ratio 2:1**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable polyolefin sleeving with a thermal index of 135 and a nominal shrink ratio of 2:1. The sleeving is not flame retarded. This sleeving is normally supplied with internal diameter up to 102 mm and is transparent. Sizes other than those specifially listed in this standard may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-217:2002**
Hind 130,00
Identne IEC 60684-3-217:1998
ja identne EN 60684-3-217:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 217: Heat-shrinkable, polyolefin sleeving, flame retarded, shrink ratio 3:1**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, flame retarded polyolefin sleeving with a temperature index of 135 and a nominal shrink ratio of 3:1. This sleeving is normally supplied with internal diameters up to 39 mm and in the following colours: black, brown, red, yellow, green, blue, orange, violet, grey and white. Sizes or colours other than those specifically listed in this standard may by available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-218:2002**
Hind 126,00
Identne IEC 60684-3-218:1998
ja identne EN 60684-3-218:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 218: Heat-shrinkable, polyolefin sleeving, not flame retarded, shrink ratio 3:1**

This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, polyolefin sleeving with a temperature index of 135 and a nominal shrink ratio of 3:1. The sleeving is not flame retarded. This sleeving is normally supplied with internal diameter up to 39 mm and is transparent. Sizes or colours other than those specifically listed in this standard may by available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-228:2002**
Hind 139,00
Identne IEC 60684-3-228:1998
ja identne EN 60684-3-228:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 228: Heat-shrinkable semi-rigid, polyvinylidene fluoride sleeving, flame retarded, fluid resistant, shrink ratio 2:1**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, flame retarded fluid resistant polyvinylidene fluoride sleeving with a temperature index of 175 and a nominal shrink ratio of 2:1. This sleeving is normally supplied with internal diameter up to 25,4 mm and the standard colour is transparent. Sizes or colours other than those specifically listed in this standard may by available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-233:2002**
Hind 139,00
Identne IEC 60684-3-233:1998
ja identne EN 60684-3-233:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 233: Heat-shrinkable, fluoroelastomer sleeving, flame retarded, fluid resistant, shrink ratio 2:1**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, flame retarded fluid resistant, fluoroelastomer sleeving with a temperature index of 200 and a nominal shrink ratio of 2:1. This sleeving is normally supplied with internal diameter up to 51 mm and the standard colour is black. Sizes or colours other than those specifically listed in this standard may by available as custom items. These items shall be considered to comply with this standard if they comply with the propterty requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-271:2002**
Hind 139,00
Identne IEC 60684-3-271:1998
ja identne EN 60684-3-271:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 271: Heat-shrinkable elastomer sleeving, flame retarded, fluid resistant, shrink ratio 2:1**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, flame retarded, fluid resistant, elastomer sleeving with a temperature index of 120 and a nominal shrink ratio of 2:1. This sleeving is normally supplied with internal diameter up to 102 mm and the standard colour is black. Sizes or colours other than those specifically listed in this standard may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

**EVS-EN 60684-3-272:2002**
Hind 139,00
Identne IEC 60684-3-272:1998
ja identne EN 60684-3-272:1998
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 272: Heat-shrinkable elastomer sleeving, flame retarded, fluid resistant, shrink ratio 2:1, thin wall**
This sheet of IEC 60684-3 gives the requirements for one type of heat-shrinkable, flame retarded, fluid resistant, elastomer sleeving with a temperature index of 120 and a nominal shrink ratio of 2:1. This sleeving is normally supplied with internal diameter up to 102 mm and the standard colour is black. Sizes or colours other than those specifically listed in this standard may be available as custom items. These items shall be considered to comply with this standard if they comply with the property requirements listed in tables 1, 2, 3, 4 and 5.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 26776
Tähtaeg: 2003-02-01
Identne IEC 60216-3:2002
ja identne EN 60216-3:2002
**Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics**
Specifies the calculation procedures to be used for deriving thermal endurance characteristics from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2. The experimental data may be obtained using non-destructive, destructive or proof tests. Data obtained from non-destructive or proof tests may be incomplete, in that measurement of times taken to reach the endpoint may have been terminated at some point after the median time but before all specimens have reached end-point. The procedures are illustrated by worked examples, and suitable computer programs are recommended to facilitate the calculations.
prEVS 55346
Tähtaeg: 2003-02-01
Identne IEC 829:1988
ja identne HD 541 S1:1991
**Methods of test for the determination of the initability of solid electrical insulating materials when exposed to electrically heated wire sources**
Methods of test for the determination of the initability of solid electrical insulating materials when exposed to electrically heated wire sources

## 29.035.10
## Paberist ja kartongist isolatsioonimaterjalid

Paper and board insulating materials

### UUED STANDARDID

**EVS-EN 60819-2:2002**
Hind 155,00
Identne IEC 60819-2:2001
ja identne EN 60819-2:2001
**Non-cellulosic papers for electrical purposes - Part 2: Methods of test**
This part 2 of the standard contains the test methods to be used in testing non cellulosic papers for electrical purposes to meet the requirements prescribed in the specification sheets of part 3.

**EVS-EN 60641-3-1:2002**
Hind 259,00
Identne IEC 60641-3-1:1992
ja identne EN 60641-3-1:1994
**Specification for pressboard and presspaper for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Requirements for pressboard, types B.0.1, B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3, B.5.1, B.6.1 and B.7.1**
Gives the requirements for pressboard for electrical purposes comprised of 100 % sulphate wood pulp or a mixture of sulphate wood pulp and cotton.

**EVS-EN 60641-3-2:2002**
Hind 179,00
Identne IEC 60641-3-2:1992
ja identne EN 60641-3-2:1994
**Specification for pressboard and presspaper for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Requirements for presspaper, types P.2.1, P.4.1, P.4.2, P.4.3, P.6.1 and P.7.1**
Gives the requirements for presspaper for electrical purposes comprised of 100 % sulphate wood pulp or 100 % cotton or a mixture of sulphate wood pulp and cotton.

**EVS-EN 60819-3-1:2002**
Hind 92,00
Identne IEC 60819-3-1:2001
ja identne EN 60819-3-1:2001
**Non-cellulosic papers for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Filled glass paper**
This sheet of IEC 819-3 specifies requirements for two types of filled glass paper designated P-FG: Type 1: High inorganic content paper ( Maximum organic content approximately 15%) and Type 2: Medium inorganic content paper (Maximum organic content approximately 25%).

**EVS-EN 60819-3-2:2002**
Hind 92,00
Identne IEC 60819-3-2:2001
ja identne EN 60819-3-2:2001
**Non-cellulosic papers for electrical purposes - Part 3: Specifications for individual materials - Sheet 2: Hybrid inorganic-organic paper**
This sheet of IEC 819-3 specifies requirements for a single type of hybrid inorganic-organic paper made from polyethylene-terephthalate fibres filled with silicates of aluminium and designated P-H.

**EVS-EN 60819-3-4:2002**
Hind 101,00
Identne IEC 60819-3-4:2001
ja identne EN 60819-3-4:2001
**Non-cellulosic papers for electrical purposes - Part 3: Specifications for individual materials; Sheet 4: Aramid fibre paper containing not more than 50 % of mica particles**
Specifies requirements for two types of aramid fibre paper containing mica particles and designated as PAaM. type 1: calendered aramid paper containing mica particles. type 2: uncalendered aramid paper containing mica particles.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55209
Tähtaeg: 2003-02-01
Identne IEC 60554-2:2001
ja identne EN 60554-2:2002
**Cellulosic papers for electrical purposes - Part 2: Methods of test**
Applies to cellulosic papers for electrical purposes. It specifies the methods of test to be used in testing cellulosic papers for electrical purposes to meet the requirements prescribed in the specification sheet of IEC 60554-3. In this standard, reference is made in several places to ISO standards accompanied by a short description of the method used. It is to be understood that this short description is meant for identification purposes only and that all details should be taken from the ISO standard itself.

## 29.035.20
## Plastikust ja kummist isolatsioonimaterjalid

Plastics and rubber insulating materials

### UUED STANDARDID

**EVS-EN 60674-1:2002**
Hind 92,00
Identne IEC 60674-1:1980
ja identne EN 60674-1:1998
**Specification for plastic films for electrical purposes - Part 1: Definitions and general requirements**
This standard is applicable to plastic films used for electrical purposes. This Part 1 gives definitions for, and specifies general requirements to be fulfilled by, plastic films used for electrical purposes.

**EVS-EN 61068-1:2002**
Hind 101,00
Identne IEC 61068-1:1991
ja identne EN 61068-1:1997
**Specification for polyester fibre woven tapes - Part 1: Definitions, designation and general requirements**
Specifies requirements for tapes woven on shuttleless looms for continuous filament polyester fibres. Nominal thicknesses of 0,13 mm and 0,25 mm and nominal widths of 15 mm, 20 mm and 25 mm are covered. The standard combinations on nominal thickness and nominal width are specified and an additional designation is included for tapes which, whilst complying with the majority of the requirments of this part, are supplied with non-standard widths.

**EVS-EN 61068-2:2002**
Hind 101,00
Identne IEC 61068-2:1991
ja identne EN 61068-2:1997
**Specification for polyester fibre woven tapes - Part 2: Methods of test**
Gives methods of test to demonstrate compliance with the general requirements of Part 1 and the specific requirements of Part 3 of the standard.

**EVS-EN 61234-1:2002**
Hind 139,00
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.

**EVS-EN 60454-3-14:2002**
Hind 101,00
Identne IEC 60454-3-14:2001
ja identne EN 60454-3-14:2001
**Pressure sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 14: Polytetrafluoroethylene film tapes with pressure sensitive adhesive**
This sheet of IEC 60454-3 contains the requirements for polytetrafluoroethylene film with pressure sensitive adhesive. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specfication alone.

**EVS-EN 60454-3-15:2002**
Hind 101,00
Identne IEC 60454-3-15:2001
ja identne EN 60454-3-15:2001
**Pressure sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 15: Polyester film/polyester non woven combinations with rubber thermosetting adhesive**
This sheet of IEC 60454-3 contains the requirements for polytetrafluoroethylene film with pressure sensitive adhesive. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specfication alone.

**EVS-EN 60454-3-17:2002**
Hind 101,00
Identne IEC 60454-3-17:2001
ja identne EN 60454-3-17:2001
**Pressure sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 17: Polyester/epoxy combinations with pressure sensitive adhesive**
This sheet of IEC 60454-3 contains the requirements for polyester/epoxy combination tapes with pressure sensitive adhesive. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specfication alone.

**EVS-EN 60684-3-100 kuni 105:2002**
Hind 155,00
Identne IEC 60684-3-100 to 105:2001
ja identne EN 60684-3-100 to 105:2001
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving; Sheets 100 to 105: Extruded PVC sleeving**
Gives the requirements for three types of non-heatshrinkable sleeving, extruded from PVC. Sleeving of this type is normally available with an internal diameter up to 50 mm and in a range of wall thicknesses between 0,2 mm and 1,8 mm. Each sheet covers up to three levels of wall thickness, "thin wall", "standard wall" and "thick wall" related to nominal internal diameter and with corresponding differences in requirements for breakdown voltage. Sheets 100 and 103 cover sleeving having a temperature range of -10 °C to 90 °C. Sheets 101 and 104 cover sleeving having a temperature range of -10 °C to 105 °C. Sheets 102 and 105 cover sleeving having a temperature range of -40 °C to 70 °C.

**EVS-EN 60684-3-121 kuni 124:2002**
Hind 117,00
Identne IEC 60684-3-121 to 124: 2001
ja identne EN 60684-3-121 to 124: 2001
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving; Sheets 121 to 124: Extruded silicone sleeving**
Gives the requirements for four types of non-heatshrinkable sleeving, extruded from silicone elastomer. These sleevings are normally available with internal diameter up to 25 mm and in a range of wall thicknesses between 0,1 mm and 2,0 mm. National standards may select a restricted list of preferred combinations of internal diameter and wall thickness.

**EVS-EN 60684-3-136:2002**
Hind 109,00
Identne IEC 60684-3-136:1997
ja identne EN 60684-3-136:1998
**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 136: Extruded fluorosilicone sleeving - General purpose**
This sheet of IEC 60684-3 gives the requirements for non-heat-shrinkable sleeving, extruded from compounds based on fluorosilicone rubber. Sleeving of this type is normally available with internal diameters up to 25 mm, and in a range of different wall thicknesses between 0.1 mm and 2.0 mm. National standards may select a restricted list of preferred combinations of internal diameter and wall thickness. These sleevings are normally available in the following opaque colours: black, brown, red, orange, yellow, green, blue, violet, grey, white, pink and green/yellow. They are also availabe in colourless translucent/transparent form.

**EVS-EN 60684-3-145 kuni 147:2002**
Hind 117,00
Identne IEC 60684-3-145 to 147: 2001
ja identne EN 60684-3-145 to 147: 2001
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 145 to 147: Extruded PTFE sleeving**

This sheet of IEC 60684-3 gives the requirements for three type of non-heat shrinkable sleeving, extruded from PTFE. Sleeving of this type is normally available with internal diameters up to 8,53 mm and in the range of wall thicknesses between 0,15 and 0,51 mm.

**EVS-EN 60684-3-211:2002**
Hind 139,00
Identne IEC 60684-3-211:1992
ja identne EN 60684-3-211:1994
**Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheet 211: Heat-shrinkable sleeving, general purpose, semi-rigid polyolefin, shrink ratio 2:1**
Gives the requirements for semi-rigid, heat-shrinkable polyolefin sleeving with a nominal shrink ratio of 2:1 that has been found suitable for temperatures up to 135 °C. Type 1: General purpose, flame-retarded, opaque colours. Type 2: General purpose, n

**EVS-EN 60684-3-246:2002**
Hind 126,00
Identne IEC 60684-3-246:2001
ja identne EN 60684-3-246:2002
**Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheet 246: Heat-shrinkable polyolefin sleeving, dual-wall, not flame-retarded**
The outer layer is a semi-rigid crosslinked polyolefin material as described in IEC 684-3-211, type 2. The inner layer is a substantially non-crosslinked polyolefin that flows and fuses during the shrinkage process to provide a seal. Sleeving of this type is normally available in bore sizes up to 25mm.

**EVS-EN 60684-3-343 kuni 345:2002**
Hind 117,00
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

**EVS-EN 60684-3-340 kuni 342:2002**
Hind 139,00
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.

**EVS-EN 60684-3-409:2002**
Hind 126,00
Identne IEC 60684-3-409:1999
ja identne EN 60684-3-409:1999
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheets 409: Glass textile sleeving with polyurethane (PUR)-based coating**
This standard gives requirements for E type glass sleeving in a braided construction with a continuous polyurethane(PUR)-based coating.The sleeving is normally available in bore sizes between 0,5 mm and 30 mm.

**EVS-EN 60811-2-1:2001/A1:2002**
Hind 83,00
Identne IEC 60811-2-1:1998/ A1:2001
ja identne EN 60811-2-1:1998/ A1:2001
**Insulating and sheathing materials of electric and optical cables - Common test methods - Part 2-1: Methods specific to elastomeric compounds - Ozone resistance, hot set and mineral oil immersion tests**
This Standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This Section One of part 2 gives the methods for the ozone resistance test, hot set test and mineral oil immersion test, which apply to elastomeric compounds.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 36015
Tähtaeg: 2002-12-01
Identne IEC 62011-1:1998
ja identne EN 62011-1:2002
**Insulating materials - Industrial, rigid, moulded, laminated tubes and rods of rectangular and hexagonal cross-section based on thermosetting resins for electrical purposes - Part 1: Definitions, designations and general requirements**
Contains the definitions and designations related to, and the general requirements to be fulfilled by, industrial, rigid, moulded, laminated tubes of rectangular cross-section and rods of rectangular and hexagonal cross-section. The moulded sections are manufactured using either phenolic or epoxy resins as the binder and using the following reinforcements: cellulosic paper, cotton cloth or glass cloth. This standard covers both rods and tubes of natural colour and those containing colouring matter or other additives. Materials which conform to this standard meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this standard alone. colour and those containing colouring matter or other additives.
prEVS 55101
Tähtaeg: 2003-02-01
Identne IEC 60684-3-211:2002
ja identne EN 60684-3-211:2002
**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 211: Heat-shrinkable sleeving, semi-rigid polyolefin, shrink ratio 2:1**

Gives the requirements for semi-rigid, heat-shrinkable polyolefin sleeving with a nominal shrink ratio of 2:1 that has been found suitable for temperatures up to 135 °C. Type 1: General purpose, flame-retarded, opaque colours. Type 2: General purpose, n
prEVS 55102
Tähtaeg: 2003-02-01
Identne IEC 60684-3-403 to 405: 2002
ja identne EN 60684-3-403 to 405: 2002
**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheets 403 to 405: Glass textile sleeving with acrylic based coating**
Gives the requirements for three types of E-type glass sleeving using either braided or knitted construction with a continuous acrylic based coating, and differentiated by their breakdown voltage: high breakdown voltage (sheet 403), medium breakdown voltage (sheet 404) and low breakdown voltage (sheet 405). These sleevings have been found suitable for use at temperatures up to 155 °C. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.
prEVS 55103
Tähtaeg: 2003-02-01
Identne IEC 60684-3-420 to 422: 2002
ja identne EN 60684-3-420 to 422: 2002
**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheets 420 to 422: Polyethylene terephthalate textile sleeving with acrylic based coating**
Gives the requirements for three types of sleeving constructed from polyethylene terephthalate yarns using either braided or knitted construction, with a continuous acrylic based coating and differentiated by their breakdown voltage: high breakdown voltage (sheet 420), medium breakdown voltage (sheet 421) and low breakdown voltage (sheet 422). Experience of product performance indicates that sleeving of the types specified in these sheets may be suitable for operation at 130 °C or in some applications at temperatures up to 155 °C.
prEVS 55305
Tähtaeg: 2003-02-01
Identne IEC 684-3-403 to 405: 1988
ja identne HD 523.3.403 to 405 S1: 1990
**Specification for flexible insulating sleeving - Part 3: Specification requirements for individual types of sleeving - Sheets 403 to 405: Glass textile sleeving with acrylic based coating**
Specification for flexible insulating sleeving -Specification requirements for individual types of sleeving. Glass textile sleeving with acrylic based coating

## 29.035.30 Klaasist ja keraamilised isolatsioonimaterjalid

### Glass and ceramic insulating materials

### UUED STANDARDID

**EVS-EN 60672-2:2002**
Hind 272,00
Identne IEC 60672-2:1999
ja identne EN 60672-2:2000
**Ceramic and glass insulating materials - Part 2: Methods of test**
Applicable to ceramic, glass and glass-ceramic materials to be used for electrical insulation purposes. Specifies methods of test. Intended to provide test results typical of the material from which the test pieces are processed. Since, in the majority of cases, ceramic components for insulating purposes are of rather different size and shape to test pieces, the results of such tests provide only a guide to the actual properties of components. The limitations imposed by the method of forming and processing are discussed where relevant.

**EVS-EN 60672-3:2002**
Hind 155,00
Identne IEC 60672-3:1997
ja identne EN 60672-3:1997
**Ceramic and glass-insulating materials - Part 3: Specifications for individual materials**
The part of IEC 60672 is applicable to ceramic, glass-ceramic, glass-mica and glass materials for electrical insulation purposes. It provides, for guidance, a classification of materials for general electrical insulating purposes, and indicates, typical numerical values for the characteristics relevant to each subgroup or type of material as determined by the test methods defined in IEC 60672-2.

**EVS-EN 61067-1:2002**
Hind 117,00
Identne IEC 61067-1:1991
ja identne EN 61067-1:1997
**Specification for glass and glass polyester fibre woven tapes - Part 1: Definitions, classification and general requirements**
This standard specifies requirements for loomstate, continuous filament tapes woven on conventional or shuttleless looms from either glass fibres or a combination of glass and polyester fibres. The ranges of nominal sizes covered by this standard are: width: 10 mm to 50 mm, thickness: 0,05 mm to 0,40 mm.

**EVS-EN 61067-2:2002**
Hind 126,00
Identne IEC 61067-2:1992
ja identne EN 61067-2:1997
**Specification for glass and glass polyester fibre woven tapes - Part 2: Methods of test**
This International Standard specifies requirements for loomstate, continuous filament tapes woven on conventional or shuttleless looms from either glass fibres or a combination of glass and polyester fibres. This part of IEC 1067 gives methods of test to demonstrate compliance with the general requirements of Part 1 and the specific requirements of Part 3.

## 29.035.50 Vilgul põhinevad materjalid

### Mica based materials

### UUED STANDARDID

**EVS-EN 60371-2:2002**
Hind 212,00
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.

## 29.040.10
## Isoleerivad õlid

Insulating oils

## UUED STANDARDID

**EVS-EN 60599:2002**
Hind 247,00
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.

**EVS-EN 61065:2002**
Hind 139,00
Identne IEC 61065:1991
ja identne EN 61065:1993
**Method for evaluating the low temperature flow properties of mineral insulating oils after ageing**
The standard describes a method for assessing the changes in activity of pour point depressant additives in inhibited and uninhibited mineral insulating oils when aged in the presence of insulating kraft paper.

**EVS-EN 61099:2002**
Hind 170,00
Identne IEC 61099:1992
ja identne EN 61099:1992
**Specification for unused synthetic organic esters for electrical purposes**
Specifies characteristics of synthetic organic esters intended for use as insulating liquids in transformers and other electrical equipment.

**EVS-EN 61100:2002**
Hind 117,00
Identne IEC 61100:1992
ja identne EN 61100:1992
**Classification of insulating liquids according to fire point and net calorific value**
The standard defines a system for classifying insulating liquids according to firepoint and net calorific value. The characteristics on which the system is based are given together with limiting values.

**EVS-EN 61125:2002**
Hind 247,00
Identne IEC 61125:1992 + Cor.:1992
ja identne EN 61125:1993
**Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability**
This European Standard describes three test methods using the same apparatus for evaluating the oxidation stability of mineral insulating oils and of hydrocarbon-based insulating liquids.

**EVS-EN 61144:2002**
Hind 170,00
Identne IEC 61144:1992
ja identne EN 61144:1993
**Test method for the determination of oxygen index of insulating liquids**
This standard describes a method for measuring the oxygen index of insulating liquids. This test method is applicable to all liquids, the viscosity of which is lower than or equal to 50 mm2/S at 40 C +/- 1 C.

**EVS-EN 61179:2002**
Hind 456,00
Identne IEC 61179:1993
ja identne EN 61179:1993
**Helical-scan digital composite video cassette recording system using 19 mm magnetic tape, format D2 (NTSC, PAL, PAL-M)**
This European Standard specifies the content, format and recording method of the data blocks forming the helical records of the tape containing video, audio and associated data using the 19 mm type D-2 cassette.

**EVS-EN 61181:2002**
Hind 155,00
Identne IEC 61181:1993
ja identne EN 61181:1993
**Impregnated insulating materials - Application of dissolved gas analysis (DGA) to factory tests on electrical equipment**
This European Standard specifies analysis requirements and procedures, and recommends sensitivity and precision criteria for factory testing of power transformers, reactors and instrument transformers.

**EVS-EN 61198:2002**
Hind 0,00
Identne IEC 61198:1993
ja identne EN 61198:1994
**Mineral insulating oils - Methods for the determination of 2-furfural and related compounds**
This International Standard specifies test methods for the analysis of 2-furfural and related furan compounds resulting from the degradation of cellulosic insulation and found in mineral insulating oil samples taken from electrical equipment.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55343
Tähtaeg: 2003-02-01
Identne EN 50375:2002
**Testing methodology for wipers used in electrical insulating oil**
This European standard specifies testing procedures for fibrous wipers to be used with equipment normally containing electrical insulating oil. Such testing is necessary to rank commercial products, so that possible contamination of insulating oil and electrical equipment with fibres during maintainance operations may be minimized.

## 29.040.20
## Isoleerivad gaasid

Insulating gases

## UUED STANDARDID

**EVS-EN 61203:2002**
Hind 139,00
Identne IEC 61203:1992
ja identne EN 61203:1994
**Synthetic organic esters for electrical purposes - Guide for maintenance of transformer esters in equipment**
This International Standard is a guide to the maintenance of synthetic organic esters, originally complying with the requirements of IEC 1099, in transformers with rated voltages up to 35 kV. It is intended to assist the equipment operator in assessing the quality of the liquid during use in the equipment and maintaining it in a serviceable condition.

**EVS-EN 60454-1:2002**
Hind 163,00
Identne IEC 60454-1:1992
ja identne EN 60454-1:1994
**Specifications for pressure-sensitive adhesive tapes for electrical purposes - Part 1: General requirements**
Specifies general requirements for pressure-sensitive adhesive tapes for electrical purposes. Particular types of tape are designated by using the code letters for the form and nature of backing material given in a new table, followed by the figures for temperature index and code letters for the adhesive, as indicated in an updated table.

**EVS-EN 60454-2:2002**
Hind 283,00
Identne IEC 60454-2:1994
ja identne EN 60454-2:1995
**Specification for pressure-sensitive adhesive tapes for electrical purposes Part 2: Methods of test**
Describes methods of determining the mechanical and electrical resistance and the adhesive properties of pressure-sensitive adhesive tapes, and the test methods to be used.

**EVS-EN 60544-1:2002**
Hind 272,00
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, y-rays, and electrons, a guide to dosimetry terminology, methods of determining exposure and absorbed dose, and methods of calculating absorbed dose.

**EVS-EN 61086-1:2002**
Hind 109,00
Identne IEC 61086-1:1992
ja identne EN 61086-1:1994
**Specification for coatings for loaded printed wire boards (conformal coatings) - Part 1: Definitions, classification and general requirements**
Gives the definition, classification and general requirements for electrical insulating materials suitable for application as coatings for loaded printed wire boards (conformal coatings).

**EVS-EN 61086-2:2002**
Hind 229,00
Identne IEC 61086-2:1992
ja identne EN 61086-2:1994
**Specification for coatings for loaded printed wire boards (conformal coatings) - Part 2: Methods of test**
Gives the methods of test for electrical insulating materials suitable for application as coatings for loaded printed wire boards (conformal coatings). The tests are: visual assessment, properties after thermal cycling, resistance to organic liquids, coating removal, dissipation factor and permittivity, insulation resistance after damp heat, mould growth, shelf life, flammability, tackiness, loss of volatile matter, thermal ageing, insulation resistance after salt mist, extreme altitude and temperature test, electric strength.

**EVS-EN 60674-3-4:2002**
Hind 109,00
Identne IEC 60674-3-4 to 6:1993
ja identne EN 60674-3-4 to 6:1995
**Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheets 4 to 6: Requirements for polyimide films used for electrical insulation**
Gives the requirements for the following polyimide films with or without heat sealable fluoroethylene-propylene (FEP) coatings; based on poly (N, N'-p,p'-oxydiphenylene pyromellitimide) (sheet 4); based on poly (N, N'-p-phenylene biphenyl tetra carboxylimide) (sheet 5); based on poly (N, N'-p,p'-oxydiphenylene biphenyl-tetracarboxylimide) (sheet 6).

**EVS-EN 61086-3-1:2002**
Hind 126,00
Identne IEC 61086-3-1:1995
ja identne EN 61086-3-1:1995
**Coatings for loaded printed wire boards (conformal coatings) - Part 3: Specifications for individual materials - Sheet 1: Coatings for general purpose (class 1) and for high reliability (class 2)**
This sheet of IEC 1086-3 gives the methods of test for electrical insulating materials suitable for application as coatings for loaded printed wire boards (conformal coatings).

**EVS-EN 60811-1-1:2001/A1:2002**
Hind 75,00
Identne IEC 60811-1-1:1993/ A1:2001
ja identne EN 60811-1-1:1995/ A1:2001
**Insulating and sheathing materials of electric cables - Common test methods - Part 1: General application - Section 1: Measurement of thickness and overall dimensions - Tests for determining the mechanical properties**
The International Standard IEC 811-1 specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cable for power distribution and telecommunications including cables used on ships. This section of IEC 811-1 gives the methods for measuring thicknesses and overall dimensions, and for determining the mechanical properties, which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP etc.).

**EVS-EN 60811-1-2:2001/A2:2002**
Hind 101,00
Identne IEC 60811-1-2:1985/A2:2000
ja identne EN 60811-1-2:1995/A2:2000
**Insulating and sheathing materials of electric cables - Common test methods - Part 1: General application - Section 2: Thermal ageing methods**
This standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This Section Two of Part 1 gives the thermal ageing methods which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP, etc.).

**EVS-EN 60811-1-3:2001/A1:2002**
Hind 83,00
Identne IEC 60811-1-3:1993/A1:2001
ja identne EN 60811-1-3:1995/A1:2001
**Insulating and sheathing materials of electric cables Common test methods - Part 1: General application Section 3: Methods for determining the density - Water absorption tests - Shrinkage test**
This section of IEC 811-1 specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This section three of part 1 gives the methods for determining the density, water absorption tests and shrinkage test which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP, etc.).

**EVS-EN 60811-1-4:2001/A2:2002**
Hind 75,00
Identne IEC 60811-1-4:1985/A2:2001
ja identne EN 60811-1-4:1995/A2:2001
**Insulating and sheathing materials of electric cables - Common test methods - Part 1: General application - Section 4: Test at low temperature**
This standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This Section Four of Part 1 gives the methods for tests at low temperature which apply to PVC and PE compounds.

**EVS-EN 60811-3-1:2001/A2:2002**
Hind 83,00
Identne IEC 60811-3-1:1985/A2:2001
ja identne EN 60811-3-1:1995/A2:2001
**Insulating and sheathing materials of electric cables - Common test methods - Part 3: Methods specific to PVC compounds - Section 1: Pressure test at high temperature - Tests for resistance to cracking**
This Standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This secton One of Part 3 gives the methods for pressure test at high temperature and for tests for resistance to cracking, which apply to PVC compounds.

**EVS-HD 621 S1:2002**
Hind 433,00
Identne HD 621 S1:1996
**Medium voltage impregnated paper insulated distribution cables**
HD 621 applies to impregnated paper insulated cables for rated voltages U0/U(Um) from 3.6/6(7.2)kV up to 20.8/36(42)kV used in power distribution systems. Part 1 specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD. Test methods are given in HD 605 EN 60811, HD 383 and HD 405 and in IEC 55-1and IEC 229. Part 2 covers all those test methods which are specified to paper insulated cables, and not included in HD 605. The particular types of cables are specified in Parts 3 and 4.

## 29.045
## Pooljuhtmaterjalid

### Semiconducting materials

### UUED STANDARDID

**EVS-EN 60146-1-3:2002**
Hind 179,00
Identne IEC 60146-1-3:1991
ja identne EN 60146-1-3:1993
**Semiconductor convertors; general requirements and line commutated convertors; part 1-3: transformers and reactors**
Specifies characteristics wherein convertor transformers differ from ordinary power transformers. In all other respects, the rules specified in IEC 60076 shall apply.

## 29.050
## Juhid

### Conducting materials

### UUED STANDARDID

**EVS-EN 61788-1:2002**
Hind 199,00
Identne IEC 61788-1:1998
ja identne EN 61788-1:1998
**Superconductivity - Part 1: Critical current measurement - DC critical current of Cu/Nb-Ti composite superconductors**
This part of IEC 61788-1 covers a test method for the determination of the d.c. critical current of Cu/Nb-Ti composite superconductors that have a copper/superconductor ratio larger than 1. This method is intended for use with superconductors that have critical currents less than 1 000 A and n-values larger than 12, under standard test conditions and at magnetic fields less than or equal to 0,7 of the upper critical magnetic field. The test specimen is immersed in a liquid helium bath during testing. The Cu/Nb-Ti composite test conductor has a monolithic structure with a round or rectangular cross-sectional area that is less than 2 square milimeters. The specimen geometry used in this test method is an inductively coiled specimen. Deviations from this test method is allowed for routine tests and other specific restrictions are given in this standard. Cu/Nb-Ti conductors with critical currents above 1 000 A or cross-sectional areas greater than 2 square milimeters could be measured with

the present method with an anticipated reduction in precision and a more significant self-field effect (see annex B). Other, more specialized, specimen test geometries may be more appropriate for larger conductor testing which have been omitted from this present standard for simplicity and to retain precision. The test method given in this standard is expected to apply to other superconducting composite wires after some appropriate modifications.

**EVS-EN 61788-2:2002**
Hind 212,00
Identne IEC 61788-2:1999
ja identne EN 61788-2:1999
**Superconductivity - Part 1: Critical current measurement - Section 2: DC critical current of Nb3Sn composite superconductors**
This International Standard covers a test method for the determination of the dc critical current of Nb3Sn composite superconductors which are fabricated by either the bronze process or the internal tin diffusion process and have a copper/non-copper ratio larger than 0,2.

**EVS-EN 61788-3:2002**
Hind 139,00
Identne IEC 61788-3:2000
ja identne EN 61788-3:2001
**Superconductivity - Part 3: Critical current measurement; DC critical current of Ag-sheated Bi-2212 and Bi-2223 oxide superconductors**
Covers a test method for the determination of the d.c. critical current of short and straight Ag- or Ag alloy-sheathed Bi-2212 and Bi-2223 oxide superconductors that have a monolithic structure and a shape of round wire or flat or square tape containing mono- or multicores of oxides.

**EVS-EN 61788-4:2002**
Hind 130,00
Identne IEC 61788-4:2001
ja identne EN 61788-4:2001
**Superconductivity - Part 4: Residual resistance ratio measurement; Residual resistance ratio of Nb-Ti composite superconductors**
Describes a "reference" method for the determination of the residual resistance ratio (RRR) of a composite superconductor comprised of Nb-Ti filaments and Cu, Cu-Ni or Cu/Cu-Ni matrix. This method is intended for use with superconductors that have a rectangular or round cross-section, RRR less than 350, and cross-sectional area less than 3 mm2. All measurements shall be done without an applied magnetic field. Optional acquisition methods are outlined in annex A.

**EVS-EN 61788-5:2002**
Hind 117,00
Identne IEC 61788-5:2000
ja identne EN 61788-5:2001
**Superconductivity - Part 5: Matrix to superconductor volume ratio measurement; Copper to superconductor volume ratio of Cu/Nb-Ti composite superconductors**
Covers a test method for the determination of copper to superconductor volume ratio of Cu/Nb-Ti composite superconducting wire. The Cu/Nb-Ti composite test conductor discussed in this method has a monolithic structure with a round or rectangular cross-section. This test method is carried out by dissolving the copper with nitric acid. Deviations from this test method that are allowed for routine tests and other specific restrictions are given in this standard.

**EVS-EN 61788-6:2002**
Hind 126,00
Identne IEC 61788-6:2000
ja identne EN 61788-6:2001
**Superconductivity - Part 6: Mechanical properties measurement; Room temperature tensile test of Cu/Nb-Ti composite superconductors**
Covers a test method detailing the tensile test procedures to be carried out on Cu/Nb-Ti superconductive composite wires at room temperature. This test is used to measure modulus of elasticity, 0,2% proof strength of the composite due to a yelding of the copper component, and tensile strength.

**EVS-HD 383 S2:2002**
Hind 179,00
Identne IEC 60228:1978+A1:1993
ja identne HD 383 S2:1986+A1:1989+A2:1993
**Conductors of insulated cables; guide to the dimensional limits of circular conductors**
Specifies standardized nominal cross-section areas from 0.5 mm2 to 2 000 mm2, numbers and diameters of wires and resistance values of conductors in electric cables and flexible cords. Classifies conductors for: 1.Cables for fixed installations -Class 1, solid conductors; -Class 2, stranded conductors. 2.Flexible copper conductors -Class 5, -Class 6 (more flexible than Class 5). Includes table of temperature correction factors kt for conductor resistance to correct the measured resistance at t °C to 20°C. Does not apply to conductors for telecommunication purposes. Applies to conductors of special design only when stated in the specification for the type of cable. Conductors of special design are, for example. conductors for pressure cables, conductors in extra-flexible welding cables or in special types of flexible cables for having the cores twisted together with unusually short lays. This publication supersedes IEC 60180 (1965). Note: -In this edition, the number of classes of conductors has been reduced from 6 to 4.

## 29.060.10 Elektrijuhid

Wires

## UUED STANDARDID

**EVS-EN 50182:2002**
Hind 247,00
Identne EN 50182:2001
**Conductors for overhead lines - Round wire concentric lay stranded conductors**
This European Standard specifies the electrical and mechanical characteristics of round wire concentric lay bare overhead electrical conductors stranded in alternate directions, with or without grease as per prEN 50326, made of one or a combination of any of the following: a) Hard drawn Aluminium as per HD 532 S1 designated AL1 b) Aluminium alloy as per prEN 50183 designated AL2 to AL7 c) ST1A, ST2B, ST3D, ST4A, ST5E, and ST6C designated the grade and class of zinc coated steel wire as per prEN 50189 d) 20SA (grades A and B), 27SA, 30SA, and 40SA designated the class of aluminium-clad steel wire as per EN 61232. Conductors made of zinc coated steel wires only are not included.

**EVS-EN 50189:2002**
Hind 0,00
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

**EVS-EN 60889:2002**
Hind 92,00
Identne IEC 60889:1987
ja identne EN 60889:1997
**Hard-drawn aluminium wire for overhead line conductors**
Applies to hard-drawn aluminium wires for the manufacture of stranded conductors for overhead power transmission purposes. It specifies the mechanical and electrical properties of wires in the diameter range 1.25 mm to 5.00 mm.

**EVS-EN 60317-1:2002**
Hind 163,00
Identne IEC 60317-1:1990+A1:1997+A2:1997
ja identne EN 60317-1:1994+A1:1997+A2:1998
**Specifications for particular types of winding wires - Part 1: Polyvinyl acetal enamelled round copper wire, class 105**
Deals with insulated wires used for windings of electrical equipment. This recommendation is composed by basic dimensions, methods of test, specifications for particular types of wires and packaging. It recommends requirements for a well-defined range of wires. Part 1: Polyvinyl acetal enamelled round copper wire, class 105.

**EVS-EN 60317-4:2002**
Hind 155,00
Identne IEC 60317-4:1990+A1:1997+A2:1999
ja identne EN 60317-4:1994+A1:1998+A2:2000
**Specifications for particular types of winding wires - Part 4: Solderable polyurethane enamelled round copper wire, class 130**
This International Standard specifies the requirements of solderable ena- melled round copper winding wire of class 130 with a sole coating based on polyurethane resin, which may be modified provided it remains the chemical identity of the original resin and meets all specified wire requirements. Class 130 is a thermal class that requires a minimum temperature index of 130 and a heat shock temperature of at least 155 °C. The range of nominal conductor diameters covered by this standard is: - Grade 1: 0,018 mm up to and including 2,000 mm, - Grade 2: 0,020 mm up to and including 2,000 mm.

**EVS-EN 60317-7:2002**
Hind 155,00
Identne IEC 60317-7:1990+A1:1997+A2:1997
ja identne EN 60317-7:1994+A1:1997+A2:1998
**Specifications for particular types of winding wires - Part 7: Polyimide enamelled round copper wire, class 220**
This International Standard specifies the requirements of enamelled round copper winding wire of class 220 with a sole coating based on polyimide resin. Class 220 is a thermal class that requires a minimum temperature index of 220 and a heat shock temperature of at least 240 °C. The range of nominal conductor diameters covered by this standard is: - Grade 1: 0,020 mm up to and including 2,000 mm, - Grade 2: 0,020 mm up to and including 5,000 mm.

**EVS-EN 60317-8:2002**
Hind 163,00
Identne IEC 60317-8:1990+A1:1997+A2:1997
ja identne EN 60317-8:1994+A1:1997+A2:1998
**Specifications for particular types of winding wires - Part 8: Polyesterimide enamelled round copper wire, class 180**
This International Standard specifies the requirements of enamelled round copper winding wire of class 180 with a sole coating based on poly- esterimide resin, which may be modified provided it remains the chemical identity of the original resin and meets all specified wire requirements. Class 180 is a thermal class that requires a minimum temperature index of 180 and a heat shock temperature of at least 200 °C. The range of nominal conductor diameters covered by this standard is Grade 1: 0,018 mm up to and incl. 3.150 mm, Gr.2: 0,020 mm to 5,000 mm, Gr.3: 0,250 mm to 1,600 mm.

**EVS-EN 60317-11:2002**
Hind 190,00
Identne IEC 60317-11:1999
ja identne EN 60317-11:2000
**Specifications for particular types of winding wires - Part 11: Bunched solderable polyurethane enamelled round copper wires, class 130, with silk covering**
This International Standard specifies the requirements of bunched solder-able enamelled round copper winding wires, class 130, with silk covering. This covering consists of one or two layers of silk. The single wire is a solderable polyurethane enamelled round copper winding wire, class 130 (IEC 317-4).

**EVS-EN 60317-12:2002**
Hind 139,00
Identne IEC 60317-12:1990+A1:1997
ja identne EN 60317-12:1994+A1:1998
**Specifications for particular types of winding wires - Part 12: Polyvinyl acetal enamelled round copper wire, class 120**
This International Standard specifies the requirements of enamelled round copper winding wire of class 120 with a sole coating based on polyvinyl acetal resin, which may be modified provided it remains the chemical identity of the original resin and meets all specified wire requirements. Class 120 is a thermal class that requires a minimum temperature index of 120 and a heat shock temperature of at least 155 °C. The range of nominal conductor diameters covered by this standard is: - Grade 1: 0,040 mm up to and incl. 2,500 mm, - Gr.2: 0,040 mm to 5,000 mm, Gr.3:0,040 mm to 5,000 mm

**EVS-EN 60317-13:2002**
Hind 163,00
Identne IEC 60317-13:1990+A1:1997+A2:1997
ja identne EN 60317-13:1994+A1:1997+A2:1998

**Specifications for particular types of winding wires - Part 13: Polyester or polyesterimide overcoated with polyamide-imide, enamelled round copper wire, class 200**
This International Standard specifies the requirements of enamelled round copper winding wire of class 200 with a dual coating. The coating may be modified provided it remains the chemical identity of the original resin and meets all specified wire requirements. Class 200 is a thermal class that requires a minimum temperature index of 200 and a heat shock temperature of at least 220 °C. The range of nominal conductor diameters covered by this standard is: - Grade 1: 0,050 mm up to and including 2,000 mm, - Grade 2: 0,050 mm up to and including 5,000 mm.

**EVS-EN 60317-14:2002**
Hind 139,00
Identne IEC 60317-14:1990+ A1:1997
ja identne EN 60317-14:1994+ A1:1998

**Specifications for particular types of winding wires - Part 14: Polyvinyl acetal enamelled round aluminium wire, class 105**
This International Standard specifies the requirements of enamelled round aluminium winding wire of class 105 with a sole coating based on polyvinyl acetal resin, which may be modified provided it remains the chemical identity of the original resin and meets all specified wire requirements. Class 105 is a thermal class that requires a minimum temperature index of 105 and a heat shock temperature of at least 155 °C. The range of nominal conductor diameters covered by this standard is: - Grade 1: 0,040 mm up to and including 1,600 mm, - Grade 2: 0,040 mm up to and including 5,000 mm.

**EVS-EN 60317-25:2002**
Hind 163,00
Identne IEC 60317-25:1990+ A1:1997+A2:1997
ja identne EN 60317-25:1996+ A1:1997+A2:1998

**Specifications for particular types of winding wires - Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200**
This International Standard specifies the requirements of enamelled round aluminium winding wire of class 200 with a dual coating. The underlying coating is based on polyester or polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is based on polyamide-imide resin. Class 200 is a thermal class that requires a minimum temperature index of 200 and a heat shock temperature of at least 220 °C.

**EVS-EN 60317-26:2002**
Hind 139,00
Identne IEC 60317-26:1990+ A1:1997
ja identne EN 60317-26:1996+ A1:1998

**Specifications for particular types of winding wires Part 26: Polyamide-imide enamelled round copper wire, class 200**
This International Standard specifies the requirements of enamelled round copper winding wire of class 200 with a sole coating based on polyamide-imide resin. The temperature in degrees Celsius corresponding to the temperature index is not necessarily that at which it is recommended that the wire be operated and this will depend on many factors, including the type of equipment involved.

**EVS-EN 60317-27:2002**
Hind 146,00
Identne IEC 60317-27:1998+A1:1999
ja identne EN 60317-27:1998+ A1:2000

**Specifications for particular types of winding wires - Part 27: Paper tape covered rectangular copper wire**
This International Standard specifies the general requirements of paper covered rectangular copper winding wires. This covering consists of two or more lappings of paper tape. The range of nominal conductor dimensions covered by this standard is: - width: min. 2,0 mm max. 16,0 mm; - thickness: min. 0,80 mm max. 5,60 mm.

**EVS-EN 60317-29:2002**
Hind 130,00
Identne IEC 60317-29:1990+A1:1997
ja identne EN 60317-29:1996+A1:1998

**Specifications for particular types of winding wires - Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200**
This International Standard specifies the requirements of enamelled rectangular copper winding wire of class 200 with a dual coating. The underlying coating is based on polyester or polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is based on polyamide-imide resin. Class 200 is a thermal class that requires a minimum temperature index of 200 and a heat shock temperature of at least 220 °C.

**EVS-EN 60317-30:2002**
Hind 130,00
Identne IEC 60317-30:1990+ A1:1997
ja identne EN 60317-30:1996+ A1:1998

**Specifications for particular types of winding wires - Part 30: Polyimide enamelled rectangular copper wire, class 220**
This International Standard specifies the requirements of enamelled rectangular copper winding wire of class 220 with a sole coating based on polyimide resin. Class 220 is a thermal class that requires a minimum temperature index of 220 and a heat shock temperature of at least 240 °C.

**EVS-EN 60317-31:2002**
Hind 139,00
Identne IEC 60317-31:1990+ A1:1997
ja identne EN 60317-31:1996+ A1:1997

**Specifications for particular types of winding wires - Part 31: Glass-fibre wound, polyester or polyesterimide varnish-treated, bare or enamelled rectangular copper wire, temperature index 180**

This International Standard specifies the requirements of glass-fibre wound, polyester or polyesterimide varnish-treated, bare or grade 2 enamelled rectangular copper winding wire, temperature index 180. The temperature index of the glass-fibre wound varnish-treated wire is dependent upon the type of varnish used. The varnish applied to the glass-fibre is based upon polyester or polyesterimide resin and shall have a minimum temperature index of 180. The method of test is to be agreed between purchaser and supplier.

**EVS-EN 60317-32:2002**
Hind 139,00
Identne IEC 60317-32:1990+ A1:1997
ja identne EN 60317-32:1996+ A1:1997

**Specifications for particular types of winding wires - Part 32: Glass-fibre wound, polyester or polyesterimide varnish-treated, bare or enamelled rectangular copper wire, temperature index 155**

This International Standard specifies the requirements of polyester or polyesterimide varnish-treated glass-fibre wound, polyester or polyesterimide varnish-treated, bare or grade 2 enamelled rectangular copper winding wire, temperature index 155. When an enamelled wire is used, it must have a minimum class of 130.

**EVS-EN 60317-33:2002**
Hind 139,00
Identne IEC 60317-33:1990+ A1:1997
ja identne EN 60317-33:1996+ A1:1997

**Specifications for particular types of winding wires - Part 33: Glass-fibre wound, silicone varnished-treated, bare or enamelled rectangular copper wire, temperature index 200**

This International Standard specifies the requirements of glass-fibre wound, silicone varnish-treated, bare or grade 2 enamelled rectangular copper winding wire, temperature index 200. When an enamelled wire is used, it must have a minimum class of 180.

**EVS-EN 60317-34:2002**
Hind 109,00
Identne IEC 60317-34:1997
ja identne EN 60317-34:1997

**Specifications for particular types of winding wires - Part 34: Polyester enamelled round copper wire, class 130 L**

This International Standard specifies the requirements of enamelled round copper winding wire of class 130 L with a sole coating based on polyester resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. Class 130 L is a thermal class that requires a minimum temperature index of 130 and a heat shock temperature of at least 155 °C.

**EVS-EN 60317-35:2002**
Hind 190,00
Identne IEC 60317-35:1992+ A1:1997+A2:1999
ja identne EN 60317-35:1994+ A1:1998+A2:2000

**Specifications for particular types of winding wires - Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer**

This part of IEC 317 specifies the requirements of solderable enamelled round copper winding wire of class 155 with a dual coating. The underlying coating is based on polyurethane resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is a bonding layer based on a thermoplasitc resin. Class 155 is a thermal class that requires a minimum temperature index of 155 and a heat shock temperature of at least 175 °C.

**EVS-EN 60317-36:2002**
Hind 190,00
Identne IEC 60317-36:1992+ A1:1997+A2:1999
ja identne EN 60317-36:1994+ A1:1998+A2:2000

**Specifications for particular types of winding wires - Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer**

This part of IEC 317 specifies the requirements of solderable enamelled round copper winding wire of class 180 with a dual coating. The underlying coating is based on polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is a bonding layer based on thermoplastic resin. Class 180 is a thermal class that requires a minimum temperature index of 180 and a heat shock temperature of at least 200 °C.

**EVS-EN 60317-37:2002**
Hind 190,00
Identne IEC 60317-37:1992+ A1:1997+A2:1999
ja identne EN 60317-37:1994+ A1:1998+A2:2000

**Specifications for particular types of winding wires - Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer**

This part of IEC 317 specifies the requirements of enamelled round copper winding wire of class 180 with a dual coating. The underlying coating is based on polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The superimposed coating is a bonding layer based on a thermoplastic resin. Class 180 is a thermal class that requires a minimum temperature index of 180 and a heat shock temperature of at least 200 °C.

**EVS-EN 60317-38:2002**
Hind 179,00
Identne IEC 60317-38:1992+ A1:1997+A2:1999
ja identne EN 60317-38:1994+ A1:1998+A2:2000

**Specifications for particular types of winding wire - Part 38: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200, with a bonding layer**

This part of IEC 317 specifies the requirements of enamelled round copper winding wire of class 200 with a triple coating. The underlying coating is based on polyester or polyester-imide resin, which may be modified providing it retains the chemical identity of the original resin and meets all specified wire requirements. The secondary coating is based on polyamide-imide resin. The third coating is a bonding layer based on a thermoplastic or thermosetting resin.

**EVS-EN 60317-39:2002**
Hind 155,00
Identne IEC 60317-39:1992+ A1:1997

ja identne EN 60317-39:1994+ A1:1998

**Specifications for particular types of winding wires - Part 39: Glass-fibre braided, polyester or polyesterimide varnish-treated, bare or enamelled rectangular copper wire, temperature index 180**

This part of IEC 317 specifies the requirements of glass-fibre braided, polyester or polyesterimide varnish-treated, bare or enamelled rectangular copper winding wire, temperature index 180. The temperature index of the glass-fibre braided varnish-treated wire is dependent upon the type of varnish used. The varnish applied to the glass-fibre is based upon polyester or polyesterimide resin and shall have a minimum temperature index of 180. The method of test is to be agreed between purchaser and supplier.

**EVS-EN 60317-40:2002**

Hind 155,00

Identne IEC 60317-40:1992+ A1:1997

ja identne EN 60317-40:1994+ A1:1998

**Specifications for particular types of winding wires - Part 40: Glass-fibre braided, silicone varnish-treated, bare or enamelled rectangular copper wire, temperature index 200**

This part of IEC 317 specifies the requirements of glass-fibre braided, silicone varnish treated, bare or enamelled rectangular copper winding wire, temperature index 200. The temperature index of the glass-fibre wound varnish-treated wire is dependent upon the type of varnish used. The varnish applied to the glass-fibre is based upon silicone resin and shall have a minimum temperature index of 200. The method of test is to be agreed between purchaser and supplier.

**EVS-EN 60317-42:2002**

Hind 109,00

Identne IEC 60317-42:1997

ja identne EN 60317-42:1997

**Specifications for particular types of winding wires - Part 42: Polyester-amide-imide enamelled round copper wire, class 200**

Specifications for particular types of winding wires - Part 42: Polyester-amide-imide enamelled round copper winding wire, class 200

**EVS-EN 60317-43:2002**

Hind 155,00

Identne IEC 60317-43:1997

ja identne EN 60317-43:1997

**Specifications for particular types of winding wires - Part 43: Aromatic polyimide tape wrapped round copper wire, class 240**

This part of IEC 317 specifies requirements of tape wrapped round copper winding wire of class 240. The insulation consists of one or two wrappings of aromatic polyimide tape.

**EVS-EN 60317-44:2002**

Hind 139,00

Identne IEC 60317-44:1997

ja identne EN 60317-44:1997

**Specifications for particular types of winding wires - Part 44: Aromatic polyimide tape wrapped rectangular copper wire, class 240**

This part of IEC 317 specifies requirements of tape wrapped rectangular copper winding wire of class 240. The insulation consists of one or two wrappings of aromatic polyimide tape.

**EVS-EN 60317-45:2002**

Hind 109,00

Identne IEC 60317-45:1998

ja identne EN 60317-45:1998

**Specification for particular types of winding wires - Part 45: Polyester enamelled round copper wire, class 130**

This part of IEC 317 specifies the requirements of solderable enamelled round copper winding wire of class 130 with a sole coating based on polyester resin, which may be modified providing it retains the chemical identity or the original resin and meets all specified wire requirements.

**EVS-EN 60317-46:2002**

Hind 117,00

Identne IEC 60317-46:1997

ja identne EN 60317-46:1997

**Specification for particular types of winding wires - Part 46: Aromatic polyimide enamelled round copper wire, class 240**

This part of IEC 317 specifies the requirements of enamelled round copper winding wire of class 240 with a sole coating of aromatic polyimide resin. Class 240 is thermal class that requires a minimum temperature index of 240 and heat shock temperature of at least 260 Degrees celcius.

**EVS-EN 60317-47:2002**

Hind 109,00

Identne IEC 60317-47:1997

ja identne EN 60317-47:1997

**Specification for particular types of winding wires - Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240**

This part of IEC 317 specifies the requirements of enamelled rectangular copper winding wire of class 240 with a sole coating of aromatic polyimide resin. Class 240 is thermal class that requires a minimum temperature index of 240 and heat shock temperature of at least 260 Degrees celcius.

**EVS-EN 60317-48:2002**

Hind 101,00

Identne IEC 60317-48:1999

ja identne EN 60317-48:2000

**Specification for particular types of winding wires - Part 48: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 155**

This part of IEC 60317 specifies requirements of glass-fibre wound or varnish impregnated, bare, grade 1 or grade 2 enamelled round copper winding wire, temperature index 155. The impregnating agent can be, for instance, polyester or polyesterimide resin based.

**EVS-EN 60317-49:2002**

Hind 101,00

Identne IEC 60317-49:1999

ja identne EN 60317-49:2000

**Specifications for particular types of winding wires. Part 49: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180**

This International Standard specifies the requirements of glass-fibre wound resin or varnish impregnated, bare, grade 1 or grade 2 enamelled round copper winding wire, temperature index 180. The impregnating agent can be, for instance, polyester or polyesterimide resin based.

**EVS-EN 60317-50:2002**

Hind 101,00

Identne IEC 60317-50:1999

ja identne EN 60317-50:2000

**Specifications for particular types of winding wires. - Part 50: Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire, temperature index 200**

This International Standard specifies the requirements of glass-fibre wound resin or varnish impregnated, bare, grade 1 or grade 2 enamelled round copper winding wire, temperature index 200. The impregnating agent can b, for instance, polyesterimide or silicone resin based.

**EVS-EN 60317-51:2002**
Hind 109,00
Identne IEC 60317-51:2001
ja identne EN 60317-51:2001
**Specifications for particular types of winding wires - Part 51: Solderable polyurethane enamelled round copper wire, Class 180.**
This international standard specifies the requirements of solderable enamelled round copper winding wire of class 180 with a sole coating based on polyurethane resin, which may be modified providing it retains the chemical identity of the original resin and meet all specified wire requirements. Class 180 is a thermal class that requires a minimum temperature index of 180 °C and a heat shock of at least 200 °C. The temperature in degrees celsius corresponding to the temperature index is not necessarily that at which it is recommended that the wire be operated and this will depend on many factors, including the type of equipment involved. The range of nominal conductor diameters covered by this standard is: - Grade 1: 0,018 mm up to and including 1.00 mm - Grade 2: 0,020 mm up to and including 1.00 mm

**EVS-EN 60317-52:2002**
Hind 155,00
Identne IEC 60317-52:1999
ja identne EN 60317-52:1999
**Specifications for particular types of winding wires - Part 52: Aromatic polyamide (aramid) tape wrapped round copper wire, temperature index 220**
This part of IEC 60317 specifies requirements for tape wrapped round copper winding wire of temperature index 220. The insulation consists of one or more wrappings of aromatic polyamide (aramid) tape of various thicknesses. NOTE - For this type of wire the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperature index and heat shock temperature cannot be specified.

**EVS-EN 60317-53:2002**
Hind 190,00
Identne IEC 60317-53:1999
ja identne EN 60317-53:1999
**Specifications for particular types of winding wires - Part 53: Aromatic polyamide (aramid) tape wrapped rectangular copper wire, temperature index 220**
This part of IEC 60317 specifies requirements for tape wrapped rectangular copper winding wire of temperature index 220. The insulation consists of one or more wrappings of aromatic polyamide (aramid) tape of various thickness. NOTE - For this type of wire, the heat shock test is inappropriate and therefore a heat shock temperature cannot be established. Consequently, a class based on the requirements for temperture index and heat shock temperature cannot be specified.

**EVS-EN 60264-3-1:2002**
Hind 101,00
Identne IEC 60264-3-1:1999
ja identne EN 60264-3-1:2000
**Packaging of winding wires - Part 3-1: Taper barrelled delivery spools - Basic dimensions**
Specifies the basic dimensions for taper barrelled delivery spools for winding wires.

**EVS-EN 60264-3-2:2002**
Hind 117,00
Identne IEC 60264-3-2:1999
ja identne EN 60264-3-2:1999
**Packaging of winding wires - Part 3-2: Taper barrelled delivery spools - Specification for returnable spools made from thermoplastic materials**
Specifies the requirements for returnable taper barrelled delivery spools made from thermoplastic material.

**EVS-EN 60264-3-4:2002**
Hind 92,00
Identne IEC 60264-3-4:1999
ja identne EN 60264-3-4:1999
**Packaging of winding wires - Part 3-4: Taper barrelled delivery spools - Basic dimensions of containers for taper barrelled delivery spools**
Specifies the basic dimensions of containers for taper barrelled delivery spools standardized in IEC 264-3-1.

**EVS-EN 60264-3-5:2002**
Hind 109,00
Identne IEC 60264-3-5:1999
ja identne EN 60264-3-5:1999
**Packaging of winding wires - Part 3-5: Taper barrelled delivery spools - Specification for spool containers made from thermoplastic material**
This section of IEC 264-3 specifies the requirements for spool containers made from thermoplastic material and used for taper barrelled delivery spools.

**EVS-EN 60264-4-2:2002**
Hind 139,00
Identne IEC 60264-4-2:1992
ja identne EN 60264-4-2:1994
**Packaging of windig wires - Part 4: Methods of test - Section 2: Containers made from thermoplastic material for taper barrelled delivery spools**
Describes the methods of test for containers made from thermoplastic material to be used for taper barrelled delivery spools for winding wires.

**EVS-EN 60264-5-2:2002**
Hind 109,00
Identne IEC 60264-5-2:2001
ja identne EN 60264-5-2:2001
**Packaging of winding wires - Part 5-2: Cylindrical barelled delivery spools with conical flanges - Specification for returnable spools made from thermoplastic material**
Specifies the requirements for returnable cylindrical barrelled delivery spools with conical flanges made from thermoplastic material.

**EVS-EN 60317-0-1:2002**
Hind 229,00
Identne IEC 60317-0-1:1997+ A1:1999
ja identne EN 60317-0-1:1998+ A1:2000
**Specifications for particular types of winding wires - Part 0: General requirements - Section 1: Enamelled round copper wire**
Deals with insulated wires used for windings of electrical equipment. This recommendation is composed of basic dimensions, methods of test, specifications for particular types of wires and packaging. It recommends requirements for a well-defined range of wires. Specifies the general requirements of enamelled round copper winding wires with or without bonding layer. This publication

supersedes IEC 182-1:1984 and IEC 182-2:1987.

**EVS-EN 60317-0-2:2002**
Hind 212,00
Identne IEC 60317-0-2:1997+ A1:1999
ja identne EN 60317-0-2:1998+ A1:2000
**Specifications for particular types of winding wires - Part 0: General requirements - Section 2: Enamelled rectangular copper wire**
Deals with insulated wires used for windings of electrical equipment. This recommendation is composed of basic dimensions, methods of test, specifications for particular types of wires and packaging. It recommends requirements for a well-defined range of wires. Specifies the general requirements of enamelled round copper winding wires with or without bonding layer. This publication supersedes IEC 182-1:1984 and IEC 182-2:1987.

**EVS-EN 60317-0-3:2002**
Hind 199,00
Identne IEC 60317-0-3:1997+ A1:1999
ja identne EN 60317-0-3:1998+ A1:2000
**Specifications for particular types of winding wires - Part 0: General requirements - Section 3: Enamelled round aluminium wire**
Deals with insulated wires used for windings of electrical equipment. This recommendation is composed of basic dimensions, methods of test, specifications for particular types of wires and packaging. It recommends requirements for a well-defined range of wires. Specifies the general requirements of enamelled round copper winding wires with or without bonding layer. This publication supersedes IEC 182-1:1984 and IEC 182-2:1987.

**EVS-EN 60317-0-4:2002**
Hind 212,00
Identne IEC 60317-0-4:1997+ A1:1999
ja identne EN 60317-0-4:1998+ A1:2000
**Specifications for particular types of winding wires - Part 0: General requirements - Section 4: Glass-fibre wound resin or varnish impregnated, bare or enamelled rectangular copper wire**
Deals with insulated wires used for windings of electrical equipment. This recommendation is composed of basic dimensions, methods of test, specifications for particular types of wires and packaging. It recommends requirements for a well-defined range of wires. Specifies the general requirements of enamelled rectangular copper winding wires with or without bonding layer. This publication supersedes IEC 182-3.

**EVS-EN 60317-0-5:2002**
Hind 247,00
Identne IEC 60317-0-5:1992+A1:1997+A2:1999
ja identne EN 60317-0-5:1994+A1:1998+A2:2000
**Specifications for particular types of winding wires - Part 0: General requirements - Section 5: Glass-fibre braided, bare or enamelled rectangular copper wire**
Deals with insulated wires used for windings of electrical equipment. This recommendation is composed by basic dimensions, methods of test, specifica- tions for particular types of wires and packaging. It recommends require-ments for a well-defined range of wires. Specifies the general requirements of glass-fibre braided bare and of glass-fibre braided enamelled rectangular copper winding wires.

**EVS-EN 60317-0-6:2002**
Hind 179,00
Identne IEC 60317-0-6:2001
ja identne EN 60317-0-6:2001
**Specifications for particular types of winding wires - Part 0-6: General requirements - Glass-fibre wound resin or varnish impregnated, bare or enamelled round copper wire**
This international standard specifies general requirements of glass-fibre wound resin or varnish impregnated, bare and of glass-fibre wound impregnated, enamelled round copper winding wires. The range of nominal conductor diameters is given in the relevant specification sheet. When a reference is made to a winding wire according to one of the IEC 60317 series mentioned under clause 2, the following information shall be given in the description: - reference to IEC specification, - nominal conductor dimensions in mm (width x thickness), -grade of coating and glass covering.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55297
Tähtaeg: 2002-12-01
Identne IEC 60317-28:1990 + A1:1997
ja identne EN 60317-28:1996 + A1:1998
**Specifications for particular types of winding wires. Part 28: Polyesterimide enamelled rectangular copper wire, class 180**

## 29.060.20
## Kaablid

Cables

## UUED STANDARDID

**EVS-EN 50018:2001**
Hind 212,00
Identne EN 50018:2000
**Electrical apparatus for potentially explosive atmospheres - Flameproof enclosures "d"**
This European Standard contains the specific requirements for the construction and testing of electrical apparatus with type of protection flameproof enclosure "d", intended for use in potentially xplosive atmospheres. This European Standard supplements European Standard EN 50014, the requirements of which apply to electrical apparatus with flameproof enclosure.

**EVS-EN 50143:2002**
Hind 170,00
Identne EN 50143:1997
**Cables for signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 kV but not exceeding 10 kV**
EN 50143 applies to single core cables of rated voltage Uo/U up to and including 5/10 kV used with electric signs and high-voltage luminous-discharge-tube installations. These cables are for use in installations complying with EN 50107. The particular types of cables are speified in clause 6-9 of this standard.

**EVS-EN 50200:2002**
Hind 155,00
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.

**EVS-EN 61138:2002**
Hind 190,00
Identne IEC 61138:1994 + A1:1995
ja identne EN 61138:1997
**Cables for portable earthing and short-circuiting equipment**
Applies to flexible cables with covering based on ethylene propylene rubber (EPR) or on polyvinyl chloride (PVC) for portable earthing and short-circuiting equipment.

**EVS-EN 60811-1-1:2001/A1:2002**
Hind 75,00
Identne IEC 60811-1-1:1993/ A1:2001
ja identne EN 60811-1-1:1995/ A1:2001
**Insulating and sheathing materials of electric cables - Common test methods - Part 1: General application - Section 1: Measurement of thickness and overall dimensions - Tests for determining the mechanical properties**
The International Standard IEC 811-1 specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cable for power distribution and telecommunications including cables used on ships. This section of IEC 811-1 gives the methods for measuring thicknesses and overall dimensions, and for determining the mechanical properties, which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP etc.).

**EVS-EN 60811-1-2:2001/A2:2002**
Hind 101,00
Identne IEC 60811-1-2:1985/A2:2000
ja identne EN 60811-1-2:1995/A2:2000
**Insulating and sheathing materials of electric cables - Common test methods - Part 1: General application - Section 2: Thermal ageing methods**
This standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This Section Two of Part 1 gives the thermal ageing methods which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP, etc.).

**EVS-EN 60811-1-3:2001/A1:2002**
Hind 83,00
Identne IEC 60811-1-3:1993/ A1:2001
ja identne EN 60811-1-3:1995/ A1:2001
**Insulating and sheathing materials of electric cables Common test methods - Part 1: General application Section 3: Methods for determining the density - Water absorption tests - Shrinkage test**
This section of IEC 811-1 specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This section three of part 1 gives the methods for determining the density, water absorption tests and shrinkage test which apply to the most common types of insulating and sheathing compounds (elastomeric, PVC, PE, PP, etc.).

**EVS-EN 60811-1-4:2001/A2:2002**
Hind 75,00
Identne IEC 60811-1-4:1985/ A2:2001
ja identne EN 60811-1-4:1995/ A2:2001
**Insulating and sheathing materials of electric cables - Common test methods - Part 1: General application - Section 4: Test at low temperature**
This standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This Section Four of Part 1 gives the methods for tests at low temperature which apply to PVC and PE compounds.

**EVS-EN 60811-2-1:2001/A1:2002**
Hind 83,00
Identne IEC 60811-2-1:1998/ A1:2001
ja identne EN 60811-2-1:1998/ A1:2001
**Insulating and sheathing materials of electric and optical cables - Common test methods - Part 2-1: Methods specific to elastomeric compounds - Ozone resistance, hot set and mineral oil immersion tests**
This Standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This Section One of part 2 gives the methods for the ozone resistance test, hot set test and mineral oil immersion test, which apply to elastomeric compounds.

**EVS-EN 60811-3-1:2001/A2:2002**
Hind 83,00
Identne IEC 60811-3-1:1985/ A2:2001
ja identne EN 60811-3-1:1995/ A2:2001
**Insulating and sheathing materials of electric cables - Common test methods - Part 3: Methods specific to PVC compounds - Section 1: Pressure test at high temperature - Tests for resistance to cracking**
This Standard specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications including cables used on ships. This secton One of Part 3 gives the methods for pressure test at high temperature and for tests for resistance to cracking, which apply to PVC compounds.

**EVS-HD 620 S1:2002**
Hind 0,00
Identne HD 620 S1:1996
**Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to 20,8/36 (42) kV**
HD 620 applies to cables with extruded instulation and for rated voltages Uo/U(Um) from 3.6/6 (7.2) kV up to 20.8/36(42) kV used in power distribution systems of voltages not exceeding the maximum rms value of the system voltage Um. This Part (Part 1) specifies the general requirements

applicable to these cables, unless otherwise specified in the particular sections of this HD

**EVS-HD 621 S1:2002**
Hind 433,00
Identne HD 621 S1:1996
**Medium voltage impregnated paper insulated distribution cables**
HD 621 applies to impregnated paper insulated cables for rated voltages U0/U(Um) from 3.6/6(7.2)kV up to 20.8/36(42)kV used in power distribution systems. Part 1 specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD. Test methods are given in HD 605 EN 60811, HD 383 and HD 405 and in IEC 55-1and IEC 229. Part 2 covers all those test methods which are specified to paper insulated cables, and not included in HD 605. The particular types of cables are specified in Parts 3 and 4.

**EVS-HD 622 S1:2002**
Hind 472,00
Identne HD 622 S1:1996+A1:2000
**Power cables having rated voltage from 3,6/6 (7,2) kV op to and including 20,8/36 (42) kV with special fire performance for use in power stations.**
HD 622 applies to rigid cables for fixed installations having rated voltage Uo/U (Um) from 3.6/6 (7.2) kV up to and including 20.8/36 (42) kV in systems of voltages not exceeding the maximum r.m.s. value of the system voltage Um. This part 1 specifies the general requirements applicable to these cables, additional or deviating requirements are given in the particular sections of this HD.

**EVS-HD 628 S1:2002**
Hind 170,00
Identne HD 628 S1:1996+A1:2001
**Test methods for accessories for power cables with rated voltage from 3,6/6kV (Um = 7,2 kV) up to and including 20,8/36 kV (Um = 42 kV)**
This standard specifies the test methods to be used for type testing accessories for power cables with rated voltage from 3,6/6(7,2) kV up to and including 20,8/36(42) kV. Test methods are specified for accessories for polymeric and paper cables to HD 620 and HD 621.

**EVS-HD 21.11 S1:2001**
Hind 83,00
Identne HD 21.11 S1:1995
**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 Uo/U 300/300 V for use indoors as internal wiring or direct supply connection to luminaires. Each cable shall comply with the appropriate requirements given in Part 1 of the HD and the particular requirements of this Part 11.

**EVS-HD 21.12 S1:2001**
Hind 109,00
Identne HD 21.12 S1:1994
**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V - Part 12: Heat-resistant flexible cables (cords)**
This part of the HD details the particular specifications for heat-resistant polyvinyl chloride insulated and sheathed flexible cables of rated voltage up to and including 300/500V, for a rated conductor temperature not exceeding 90°C.

**EVS-HD 21.13 S1:2001**
Hind 117,00
Identne HD 21.13 S1:1995
**Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V - Part 13: Oil resistant PVC sheathed cables with two or more conductors**
This part 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 opration of 70°C.

**EVS-HD 629.1 S1:2002**
Hind 170,00
Identne HD 629.1
S1:1996+A1:2001
**Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV - Part 1: Cables with extruded insulation**
This standard specifies performance requirements for type tests for cable accessories for use on extruded insulation power cables as specified in HD 620. Accessories for special applications such as submarine cables, ships cables or hazardous situations (explosive environments, fire resistant cables or seismic conditions) are not included.

**EVS-HD 629.2 S1:2002**
Hind 163,00
Identne HD 629.2
S1:1997+A1:2001
**Test requirements on accessories for use on power cables of rated voltage from 3,6/6(7,2)kV up to 20,8/36(42)kV - Part 2: Cables with impregnated paper insulation**
This standard specifies performance requirements for cable accessories for use on impregnated paper insulated power cables as specified in HD 621. Accessories for pressure type power cables and for special applications such as submarine cables, ships cables or hazardous situations (explosive environments, fire resistant cables or seismic conditions) are not included.

**EVS-HD 605 S1:2001/A3:2002**
Hind 83,00
Identne HD 605 S1:1994/A3:2002
**Electrical cables - Additional test methods**
This HD collates and specifies the test methods to be used for testing polymeric insulated and sheathed electic 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 pratical application to each specific type.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 35043
Tähtaeg: 2003-02-01
Identne EN 50264-1:2002
**Railway applications -Railway rolling stock cables having special fire performance - Standard wall - Part 1: General requirements**
Part 1 of EN 50264 specifies the general requirements applicable to the cables given in part 2 and part 3 of EN 50264. It includes the detailed requirements for the

insulating and sheathing materials and other components called up in the separate parts. In particular EN 50264-1 specifies those requirements relating to fire safety which enable the cables to satisfy Hazard Levels 2, 3 and 4 of EN 45545-1.
prEVS 35045
Tähtaeg: 2003-02-01
Identne EN 50264-2:2002
**Railway applicactions - Railway rolling stock cables having special fire performance - Standard wall - Part 2: Single core cables**
Part 2 of EN 50264 specifies requirements for, and constructions and dimensions of, single core cables of the following types and voltage ratings: 0,6/1 kV unscreened, unsheathed (1 mm2 to 400 mm2), 1,8/3 kV unscreened, unsheathed (1,5 mm2 to 400 mm2), 1,8/3 kV unscreened sheathed (1,5 mm2 to 400 mm2), 3,6/6 kV unscreened, sheathed (2,5 mm2 to 400 mm2). All cables have class 5 tinned copper conductors to HD 383, halogen-free insulation and where applicable halogen-free sheath.
prEVS 35048
Tähtaeg: 2003-02-01
Identne EN 50264-3:2002
**Railway applicactions - Railway rolling stock cables having special fire performance - Standard wall - Part : Multicore cables**
Part 3 of EN 50264 specifies requirements for, and constructions and dimensions of, multicore cables of the following types and voltage ratings: 300 V/500 V Screened or unscreened (1 mm 2 , 1,5 mm 2 and 2,5 mm 2, number of cores from 2 to 40) - 0,6 kV/1 kV Screened or unscreened, (1 mm 2 to 50 mm 2 , 2, 3 and 4 core)
prEVS 36701
Tähtaeg: 2003-03-01
Identne prEN 13160-3:2002
**Leak detection systems - Part 3: Liquid systems for tanks**
This European Standard specifies the requirements for leak detection systems class II for use with double-skin tanks designed for water polluting fluids
prEVS 55199
Tähtaeg: 2003-02-01
Identne EN 50305:2002
**Railway applications -Railway rolling stock cables having special fire performance -Test methods**
This standard specifies special test methods applicable to cables, and their constituent insulating and streathing materials, for use of railway rolling stock. Such cables are specified in the various parts of EN 50264 and EN 50306
prEVS 55337
Tähtaeg: 2003-02-01
Identne HD 632 S1:1998/A1:2002
**Power cables with extruded insulation and their accessories for rated voltages above 36 kV (Um = 42 kV) up to 150 kV (Um = 170 kV)**
This standard specifies test requirements for power cables for fixed installations with extruded insulation of the types listed in sub-clause 1.5 and their accessories for rated voltages U above 36 kV (Um = 42 kV) up to and including 150 kV (Um = 170 kV).
prEVS 55452
Tähtaeg: 2003-02-01
Identne EN 50018:2000/A1:2002
**Electrical apparatus for potentially explosive atmospheres - Flameproof enclosures "d"**
This European Standard contains the specific requirements for the construction and testing of electrical apparatus with type of protection flameproof enclosure "d", intended for use in potentially xplosive atmospheres. This European Standard supplements European Standard EN 50014, the requirements of which apply to electrical apparatus with flameproof enclosure.
prEVS 55455
Tähtaeg: 2003-02-01
Identne HD 22.4 S3:1995/A2:2002
**Rubber insulated cables of rated voltages up to and including 450/750 V - Part 4: Cords and flexible cables**
This part of (Part 4) of the HD details the particular specifications for EPR insulated and braided cords and EPR insulated and EPR, rubber or polychloroprene or other equivalent synthetic elastomer sheathed cords and flexible cables of rated voltages up to and including 450/750 V.

## 29.080.00
## Isolatsioon

Insulation. General

### UUED STANDARDID

**EVS-EN 50209:2002**
Hind 75,00
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.

## 29.080.10
## Isolaatorid

Insulators

### UUED STANDARDID

**EVS-EN 50089:2002**
Hind 101,00
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.
**EVS-EN 60168:2002**
Hind 326,00
Identne IEC 60168:1994+A1:1997+A2:2000 ja identne EN 60168:1994+A1:1997+A2:2000
**Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 kV**

Applies to post insulators and post insulator units of caramic material or glass for indoor and outdoor service in electrical installations or equipment operating on alternating current with a nominal voltage greater Athan 1 000 V and a frequency not greater than 100 Hz.

**EVS-EN 60433:2002**
Hind 109,00
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.

**EVS-EN 60507:2002**
Hind 259,00
Identne IEC 60507:1991
ja identne EN 60507:1993
**Artificial pollution tests on high-voltage insulators to be used on a.c. systems**
Is applicable for the determination of the power frequency withstand characteristics of ceramic and glass insulators to be used outdoors and exposed to polluted atmospheres, on a.c. systems with the highest voltage of the system ranging from 1 000 V up to 765 kV. These tests are not directly applicable to greased insulators or to special types of insulators (insulators with conductive glaze or covered with any organic insulating material).

**EVS-EN 60660:2002**
Hind 212,00
Identne IEC 60660:1999
ja identne EN 60660:1999
**Insulators Tests on indoor post insulators of organic material for systems with nominal voltages greater than 1kV up to but not including 300 kV**
This standard is applicable to post insulators of organic material for indoor service in electrical installations or equipment operating in air at atmospheric pressure on alternating current with a nominal voltage greater than 1000 V up to but not including 300 kV, as defined by range I of IEC 71-1, and a frequency not greater than 100 Hz. Composite insulators are not covered by this standard.

**EVS-EN 61264:2002**
Hind 199,00
Identne IEC 61264:1998
ja identne EN 61264:1998
**Ceramic pressurized hollow insulators for high-voltage switchgear and controlgear**
This standard applies to hollow insulators made of ceramic material, with their fixing devices, intended for use with a permanent gas pressure greater than 50 kPa gauge having an internal volume equal to or greater than 1 litre (1000 cm3). They are intended for use in electrical equipment operating on alternating current with a rated voltage greater than 1000 V and a frequency not greater than 100 Hz or for use in direct current equipment with a rated voltage greater than 1500 V.

**EVS-EN 60383-1:2002**
Hind 295,00
Identne IEC 60383-1:1993
ja identne EN 60383-1:1996+ A11:1999
**Insulators for overhead lines with a nominal voltage above 1 k V - 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.

## 29.080.20 Läbiviigud

Bushings

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55249
Tähtaeg: 2003-02-01
Identne EN 50336:2002
**Bushings for transformers and reactor cable boxes not exceeding 36 kV**
This standard is applicable to insulated bushing for use in air insulated, shroud insulated and fully insulated cable boxes for liquid filled transformers and reactors for rated voltages up to 36 kV, and rated curents up to 4000 A at frequencies from 15 Hx to 60 Hz

prEVS 55469
Tähtaeg: 2003-02-01
Identne EN 50243:2002
**Outdoor bushings for 24 kV and 36 kV and for 5 kA and 8 kA, for liquid filled transformers**
This standard is applicable to ceramic insulated outdoor bushings for highest voltages for equipment of 24 kV and 36 kV, with rated currents of 5 kA and 8 kA and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers.

## 29.080.30 Isolatsioonisüsteemid

Insulation systems

### UUED STANDARDID

**EVS-EN 60505:2002**
Hind 247,00
Identne IEC 60505:1999
ja identne EN 60505:2000
**Evaluation and qualification of electrical insulation systems**
This international standard establishes the basis for estimating the ageing of Electrical Insulation Systems (EIS) under conditions of either electrical, thermal, mechanical, environmental or multifactor stresses. It specifies the principles and procedures that should be followed, during the development of EIS functional test and evaluation procedures, to establish the service life for a specific insulation system. It is applicable to all IEC Technical Committees responsible for equipment (ETC) having and EIS.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55269
Tähtaeg: 2003-02-01
Identne IEC 62114:2001
ja identne EN 62114:2001
**Electrical Insulation Systems - Thermal classification**

Establishes the thermal classification of an electrical insulation system (EIS). It also identifies recognized procedures for the thermal evaluation of EIS. This standard is applicable to EIS used in electrotechnical devices where the thermal factor is the dominating ageing factor.

## 29.100.01
## Elektriseadmete osad üldiselt

Components for electrical equipment in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55165
Tähtaeg: 2003-02-01
Identne EN 50281-3:2002
**Equipment for use in the presence of combustible dust Part 3: Classification of areas where combustible dusts are or may be present**
This standard is concerned with the classification of areas where exploisive dust/air mixtures and combustible dust layers are present, in order to permit the proper selection of equipment for use in such areas

## 29.100.10
## Magnetosad

Magnetic components

### UUED STANDARDID

**EVS-EN 60133:2002**
Hind 146,00
Identne IEC 60133:2000
ja identne EN 60133:2001
**Dimensions of pot-cores made of magnetic oxides and associated parts**
Specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of pot-cores made of magnetic oxides, and the dimensional limits for coil formers to be used with them.

**EVS-EN 60205:2002**
Hind 190,00
Identne IEC 60205:2001
ja identne EN 60205:2001
**Calculation of the effective parameters of magnetic piece parts**
Lays down uniform rules for the calculation of the effective parameters of closed circuits of ferromagnetic material.

**EVS-EN 61185:2002**
Hind 199,00
Identne IEC 61185:1992+A1:1995
ja identne EN 61185:1997
**Magnetic oxide cores (ETD-cores) intended for use in power supply applications - Dimensions**
This International Standard specifies the dimensions that are of importance for mechanical interchangeability for ETD-cores made of magnetic oxides, the essential dimensions of coil formers to be used with them, and the effective values to be used in calculations involving them.

**EVS-EN 61247:2002**
Hind 163,00
Identne IEC 61247:1995
ja identne EN 61247:1997
**PM-cores made of magnetic oxides and associated parts - Dimensions**
Specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of PM-cores made of magnetic oxides and the main dimensions for associated coil formers.

**EVS-EN 61830:2002**
Hind 155,00
Identne IEC 61830:1997
ja identne EN 61830:1998
**Microwave ferrite components - Measuring methods for major properties**
This International Standard gives guidance on the measuring methods for major microwave properties, such as return loss, forward loss, reverse loss, phase shift and group delay, of microwave ferrite components.

**EVS-EN 125000:2002**
Hind 109,00
Identne EN 125000:1997
**Generic specification: Cores made of ferrite materials**
This Generic Specification is applicable to cores made of ferrite materials. These products are used in a wide range of inductive components required for many applications in almost all industries. It establishes standard terms, inspection procedures and methods of testing for use in sectional and detail specifications within the CECC System for electronic components.

**EVS-EN 125500:2002**
Hind 109,00
Identne EN 125500:1996
**Sectional Specification : Magnetic oxide ring cores for interference suppression and low level signal transformer applications**
This sectional specification prescribes the characteristics, ratings and inspection requirements of assessed quality for ring cores made of soft magnetic oxides and iron powders. Such cores are intended for chokes for interference suppression and also for low level signal transformers for professional and industrial application .

**EVS-EN 60424-2:2002**
Hind 126,00
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.

**EVS-EN 60424-4:2002**
Hind 101,00
Identne IEC 60424-4:2001
ja identne EN 60424-4:2001
**Ferrite cores - Guide on the limits of surface irregularities - Part 4: Ring-cores**
Gives guidance on allowable limits of surface irregularities applicable to ring-cores in accordance with the relevant generic specification IEC 60424-1. Is considered to be useful in the negotiation between ferrite core manufacturers and customers about surface irregularities.

**EVS-EN 60938-1:2002**
Hind 170,00
Identne IEC 60938-1:1999
ja identne EN 60938-1:1999
**Fixed inductors for electromagnetic interference suppression - Part 1: Generic specification**

This standard applies to inductors designed for electomagnetic interference suppression intended for use within, or associated with, electronic or electrical equipment and machines. It is restricted to inductors, for which electrical shock hazard protection tests are appropriate. The combination of two or more inductors within one enclosure is also included. Inductors within the scope of this standard may also be used to protect apparatus and machines from electrical noise and voltage or current transients coming from either the supply or from other parts of the apparatus. The standard does not necessarily apply in its entirety to inductors intended for use on motor vehicles, in aircraft or for marine applications.

**EVS-EN 60938-2:2002**
Hind 0,00
Identne IEC 60938-2:1999
ja identne EN 60938-2:1999
**Fixed inductors for electromagnetic interference suppression - Part 2: Sectional specification**
This standard applies to fixed inductors designed for electromagnetic interference suppression and which fall within the scope of the Generic specification, IEC 60938-1. It is restricted to fixed inductors for which electrical shock hazard protection tests are appropriate. This implies that inductors specified according to this specification will either be connected to mains supplies, when compliance with the mandatory tests of table 1 is necessary, or used in other circuit positions where the equipment specification prescribes that some or all of these electrical shock hazard protection tests are required.

**EVS-EN 61021-1:2002**
Hind 109,00
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.

**EVS-EN 61021-2:2002**
Hind 155,00
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

**EVS-EN 60938-2-1:2002**
Hind 101,00
Identne IEC 60938-2-1:1999
ja identne EN 60938-2-1:1999
**Fixed inductors for electromagnetic interference suppression - Part 2-1: Blank detail specification: Inductors for which safety tests are required. Assessment level D**
A blank detail specification is a supplementary document to the Sectional specification and contains requirments for style, layout and minimum content of detail specification.Detail specifications not complying with these requirements may not be considered as being in accordance with IEC specifications nor shall they so be described. In the preparation of detail specifications the content of 1.4 of the sectional specification shall be taken into account.

**EVS-EN 60938-2-2:2002**
Hind 92,00
Identne IEC 60938-2-2:1999
ja identne EN 60938-2-2:1999
**Fixed inductors for electromagnetic interference suppression - Part 2-2: Blank detail specification - Inductors for which safety tests are required (only)**
Forms the basis for a uniform procedure for a common mark. It implements the approval schedule for safety tests only in IEC 60938-2, requires a declaration of design for parameters relevant ot safety tests and prescribes conformance tests to be conducted on every lot prior to its release and re-qualification tests depending on changes of the design. May be more appropriate for components manufactured in mass production, whereas this specification may be necessary in those cases where approval and re-qualification tests contribute considerably to the costs of the product.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 28119
Tähtaeg: 2003-02-01
Identne IEC 60431:1983 + A2:1996
ja identne EN 60431:1995 + A2:1998
**Dimensions of square cores (RM-cores) made of magnetic oxides and associated parts**
The standard specifies the dimensions that are of importance for mechanical interchangeability for apreferred range of square cores (RM-cores) made of magnetic oxides, the dimensional limits for wound coil formers to be used with these cores and the locations of their terminal pins on a 2,54 mm printed wiring grid in relation to the base outlines of the cores.
prEVS 55107
Tähtaeg: 2003-02-01
Identne IEC 62024-1:2002
ja identne EN 62024-1:2002
**High frequency inductive components - Electrical characteristics and measuring methods - Part 1: Nanohenry range chip inductor**
Specifies electrical characteristics and measuring methods for the nanohenry range chip inductor that is normally used in the high frequency (over 100 kHz) range.
prEVS 55113
Tähtaeg: 2003-02-01
Identne IEC 62025-1:2002
ja identne EN 62025-1:2002
**High frequency inductive components - Non-electrical characteristics and measuring methods - Part 1: Fixed, surface mounted inductors for use in electronic and telecommunication equipment**
Establishes requirements to describe terms, to give recommendations for standard values and dimensions and to give guidance on fixed, surface mounted inductors.
prEVS 55118
Tähtaeg: 2003-02-01
Identne IEC 62044-1:2002
ja identne EN 62044-1:2002

**Cores made of soft magnetic materials - Measuring methods - Part 1: Generic specification**
Applies to magnetic cores made of soft magnetic materials used in inductors, transformers and devices used to suppress electromagnetic interference. Provides guidance for the specification of measuring methods for both magnetic and non-magnetic (for example, mechanical, electrical, etc.) properties.
prEVS 55200
Tähtaeg: 2003-02-01
Identne EN 125200:2001
**Sectional specification: Magnetic oxide cores for linear transformers**
This sectional specification lists the characteristics, ratings and inspection requirements for magnetic cores of assessed quality for linear transformers intended for professional and industrial applications, excluding power, blocking and tuned transformers. It selects from the generic specification CECC 25 000 the appropriate methods of test to be used in detail specifications derived from this specification
prEVS 55201
Tähtaeg: 2003-02-01
Identne EN 125400:1991
**Sectional specifications: Adjusters used with magnetic oxide cores for use in inductors and tuned transformers**
This SS prescribes the characteristics and inspection requirements for adjusters of assessed quality for use with magnetic oxide (ferrite) cores intended for inductors and transformers in tuned circuits for professional and industrial applications
prEVS 55202
Tähtaeg: 2003-02-01
Identne EN 125401:1991
**Blank Detail Specification: Adjusters used with magnetic oxide (ferrite) cores for use in inductors and tuned transformers**
prEVS 55291
Tähtaeg: 2003-02-01
Identne IEC 60424-3:1999
ja identne EN 60424-3:1999
**Ferrite cores - Guide on the limits of surface irregularities - Part 1: General specification**
Gives guidance on allowable limits of surface irregularities of ferrite cores. Is useful in the negotiation between ferrite core manufacturers and customers.
prEVS 55293
Tähtaeg: 2003-02-01
Identne IEC 60424-1:1999
ja identne EN 60424-1:1999
**Ferrite cores - Guide on the limits of surface irregularities - Part 3: ETD-cores and E-cores**
Gives guidance on allowable limits of surface irregularities applicable to ETD-cores, E-cores and other similar shapes in accordance with the relevant general specification.

## 29.120.00 Elektriaparaadid ja -tarvikud

Electrical accessories. General

### UUED STANDARDID

**EVS-EN 175500:2002**
Hind 212,00
Identne EN 175500:1997
**Sectional specification: Cable outlet accessories for connectors, including qualification approval and capability approval**
This Sectional Specification (SS) is applicable to cable outlet accessories for connectors. It shall be used in conjunction with the relevant Detail Specification (DS). The object of this SS is to establish uniform specifications, type test requirements and quality assessement procedures for cable outlet accessories and to establish rules for the preparation of detail specifications for cable outlet accessories of assessed quality.

## 29.120.01 Elektriaparaadid ja -tarvikud üldiselt

Electrical accessories in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 27826
Tähtaeg: 2003-02-01
Identne IEC 60335-2-95:1998
ja identne EN 60335-2-95:2001
**Safety of household and similar electrical appliances - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use**
This standard deals with the safety of non automatic electric drives for garage doors for residential use by one household only which open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances. It covers the hazards associated with the closing and opening movement of door leaf.

## 29.120.10 Elektrijuhtide paigaldustorud jms

Conduits for electrical purposes

### UUED STANDARDID

**EVS-EN 60423:2002**
Hind 179,00
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.
**EVS-EN 50085-1:2001/A1:2002**
Hind 49,00
Identne EN 50085-1:1997/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.
**EVS-EN 50086-2-3:2001/A11:2002**
Hind 49,00
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.

## 29.120.20 Liiteseadised ja klemmid

Connecting devices

### UUED STANDARDID

**EVS-EN 60352-1:2002**
Hind 229,00
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 mechnical, electrical and atmospheric conditions.

**EVS-EN 60352-3:2002**
Hind 272,00
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 arê 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 mm2 to 10 mm2 cross-section.

**EVS-EN 60352-4:2002**
Hind 316,00
Identne IEC 60352-4:1994+A1:2000
ja identne EN 60352-4:1994+A1:2000
**Solderless connections - Part 4: Solderless non-accessible insulation displacement connections - General requirements, test methods and practical guidance**
This part of IEC 60352 is applicable to non-accessible ID connections for which the tests and measurements of section 3 are suitable 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 mm2 to 10 mm2 cross-section; for use in telecommunication equipment and in electronic devices employing similar techniques.

**EVS-EN 60352-5:2002**
Hind 247,00
Identne IEC 60352-5:2001
ja identne EN 60352-5:2001
**Solderless connections - Part 5: Press-in connections - General requirements, test methods and practical guidance**
This part of IEC 352 is applicable to solderless press-in connections where a termination having a suitable solid or compliant press-in section is inserted into a plated-through hole of a double-sided or multilayer printed board for use in telecommunication equipment and in electronic devices employing similar techniques.

**EVS-EN 60352-6:2002**
Hind 212,00
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.

**EVS-EN 60999-1:2002**
Hind 212,00
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 mm2 up to and including 35 mm2 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.

## 29.120.30 Pistikud, pistikupesad, pistikühendused

Plugs, socket-outlets, couplers

### UUED STANDARDID

**EVS-EN 50066:2002**
Hind 139,00
Identne EN 50066:1992
**Mini-couplers for the interconnection of electrical mains suppplied 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.

**EVS-EN 50075:2002**
Hind 139,00
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.

**EVS-EN 60320-1:2002**
Hind 360,00
Identne IEC 60320-1:2001
ja identne EN 60320-1:2001
**Appliance couplers for household and similar general purposes - Part 1: General requirements**
Applicable to two-pole appliance couplers for a.c. only, with and without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A.

**EVS-EN 186000-1:2002**
Hind 306,00
Identne EN 186000-1:1993
**Generic specification: connector sets for optical fibres and cables; part 1: requirements, test methods and qualification approval procedures**
This specification applies to fibre optic connector sets for optical fibres and cables. It includes:- connector set requirements,- measurement and test procedures for quality assessment of both connector sets and their individual components, such as adaptors, plugs and sockets.

**EVS-EN 60320-2-3:2002**
Hind 212,00
Identne IEC 60320-2-3:1998
ja identne EN 60320-2-3:1998
**Appliance couplers for household and similar general purposes - Part 2: Appliance couplers with a degree of protection higher than IPXO**
This standard applies to two-pole non-reversible cold condition appliance couplers for a.c. only, with a degree of protection against ingress of water higher than IPXO, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A for 50 Hz or 60 Hz supply. They are intended for the connection of the supply cord to portable electrical appliances of class II for household, commercial and light industrial use.

**EVS-EN 60998-1:2001/A1:2002**
Hind 66,00
Identne IEC 60998-1:1990/A1:1998
ja identne EN 60998-1:1993/A1:2001
**Connecting devices for low voltage circuits for household and similar purposes - Part 1: General requirements**
Applies to connecting devices as separate entities for the connection of two or more electrical copper conductors, rigid or flexible, having a cross-sectional area of 0.5 mm2 up to and including 35 mm2 with a rated voltage not exceeding 1000 V a.c. up to and including 1000 Hz and 1500 V d.c. where electrical energy is used for household and similar purposes. This publication supersedes IEC 685-1.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 33348
Tähtaeg: 2003-03-01
Identne prEN 74-1:2002
**Couplers, spigot pins and baseplates for use in falsework and scaffolds - Part 1: Couplers for tubes - Requirements and test procedures**
EN 74-1 specifies for right angle couplers, swivel couplers, sleeve couplers and parallel couplers working by friction - materials, - design requirements, - strength classes with different structural parameters including specified values for resistances and stiffnesses which a coupler has to achieve. - test procedures, - assessment, - recommendations for on-going production control

## 29.120.40 Lülitid

Switches

## UUED STANDARDID

**EVS-EN 60214:2002**
Hind 259,00
Identne IEC 60214:1989
ja identne EN 60214:1997
**On-load tap-changers**
This standard applies to on-load tap-changers for power transformers and their motor-drive mechanisms. It relates mainly to tap-changers immersed in transformer oil according to IEC Publication 296, but may also be used for gas-insulated tap-changers in so far as conditions are applicable.

**EVS-EN 60934:2002**
Hind 360,00
Identne IEC 60934:2000
ja identne EN 60934:2001
**Circuit-breakers for equipment (CBE)**
This standard is applicable to mechanical switching devices designed as "circuit-breakers for equipment" (CBE) intended to provide protection to circuits within electrical equipment. This standard is also applicable for protection of electrical equipment in case of undervoltage and/or overvoltage. It is applicable for a.c. not exceeding 440 V and/or d.c. not exceeding 250 V, and a rated current not exceeding 125 A.

**EVS-EN 61129:2002**
Hind 117,00
Identne IEC 61129:1992
ja identne EN 61129:1994
**Alternating current earthing switches - Induced current switching**
Applies to alternating current earthing switches, rated 52 kV and above, capable of switching induced currents. Specifies switching requirements for earthing switches used to earth transmission lines.

**EVS-EN 50123-3:2002**
Hind 139,00
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.

**EVS-EN 60669-2-1:2002**
Hind 283,00
Identne IEC 60669-2-1:1996+ A2:1999
ja identne EN 60669-2-1:2000+ A2:2001
**Switches for household and similar fixed-electrical installations - Part 2: Particular requirements - Section 1: Electronic switches**

This standard applies to electronic switches and to associated electronic extension units for household and similar fixed electrical installations either indoors or outdoors. It applies to electronic switches for the operation of lamp circuits and the control of the brightness of lamps (dimmers) as well as the control of the speed motors (e.g. those used in ventilating fans) and for other purposes (e.g. heating installations), with a working voltage not exceeding 250 V a.c. and a rated current up to and including 16 A.

**EVS-EN 61058-2-1:2001**
Hind 130,00
Identne IEC 1058-2-1:1992+ A1:1995
ja identne EN 61058-2-1:1993+ A1:1996
**Switches for appliances - Part 2-1: Particular requirements for cord switches**
Applies to cord switches for appliances actuated by hand, by foot or by other human activity for use in, on or with appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A.

**EVS-EN 61058-2-5:2001**
Hind 66,00
Identne IEC 1058-2-5:1994
ja identne EN 61058-2-5:1994
**Switches for appliances - Part 2-5: Particular requirements for change-over selectors**
This International Standard IEC 1058-2-5 applies to change-over selectors for appliances actuated by hand, by foot, or by other human activity for use in, on, or with, appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

**EVS-EN 60947-3:2001/A1:2002**
Hind 179,00
Identne IEC 60947-3:1999/ A1:2001
ja identne EN 60947-3:1999/A1:2001
**Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units**
States the characteristics of the equipment, the conditions with which the equipment shall comply (operation and behaviour in normal service, operation and behaviour in case of specified abnormal conditions, dielectric properties), the test for confirming that these conditions have been met and the methods to be adopted for these tests; the information to be marked on the equipment or made available by the manufacturer, e.g. in the catalogue. This publication supersedes IEC 408 (1985) and should be read in conjunction with IEC 947-1 (1988).

**EVS-EN 61095:2001/A1:2002**
Hind 75,00
Identne IEC 61095:1992/A1:2000
ja identne EN 61095:1993/ A1:2000
**Electromechanical contactors for household and similar purposes**
Applies to electromechanical air break contactors for household and similar purposes provided with main contacts intended to be connected to circuits the rated voltage of which does not exceed 440 V a.c.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55198
Tähtaeg: 2003-02-01
Identne EN 196110:2002
**Sectional Specification: Rotary switches - Capability approval**
This specification is a sectional specification applying to rotary switches, which may be either built to customer`s requirements or manufacurer`s standard catalogue items
prEVS 55371
Tähtaeg: 2003-02-01
Identne IEC 60669-1:1998/ A1:1999
ja identne EN 60669-1:1999/ A1:2002
**Switches for household and similar fixed electrical installations - Part 1: General requirements**
Applies to manually operated general purpose switches for a.c. only, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A. intended for household and similar fixed-electrical installations, either indoors or outdoors.The rated current is limited to 16 A for switches provided with screwless terminals. Unless otherwise specified in subsequent parts, this standard applies to switches intended to be used at 50 Hz.
prEVS 55444
Tähtaeg: 2003-02-01
Identne EN 61058-2-5:1994/A11:2002
**Switches for appliances - Part 2-1: Particular requirements for cord switches**
Applies to cord switches for appliances actuated by hand, by foot or by other human activity for use in, on or with appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A.
prEVS 55445
Tähtaeg: 2003-02-01
Identne EN 61058-2-5:1994/A11:2002
**Switches for appliances - Part 2-5: Particular requirements for change-over selectors**
This International Standard IEC 1058-2-5 applies to change-over selectors for appliances actuated by hand, by foot, or by other human activity for use in, on, or with, appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

## 29.120.50 Kaitsmed jm liigvoolukaitseaparaadid

Fuses and other overcurrent protection devices

## UUED STANDARDID

**EVS-EN 60644:2002**
Hind 130,00
Identne IEC 60644:1979
ja identne EN 60644:1993
**Specification for high-voltage fuse-links for motor circuit applications**
This standard applies primarily to fuse-links used with motors started direct-on-line on alternating current systems of 50 Hz and 60 Hz. Note.- When motors are used with assisted starting this specification can also be applied but particular attention should be paid to the selection of the rated current of the fuse-link (see Sub-clause 8.1) and the manufacturer of

the fuse-link should preferably be consulted.

**EVS-EN 50122-2:2002**
Hind 170,00
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) funicluar railways and e) maintenance work.

**EVS-EN 60099-1:2002**
Hind 326,00
Identne IEC 60099-1:1991+A1:1999
ja identne EN 60099-1:1994+A1:1999
**Surge arresters - Part 1:Non-linear resistor type gapped surge arresters for a.c. systems**
This part of International Standard IEC 99 applies to surge protective devices designed for repeated operation to limit voltage surges on a.c. power circuits and to interrupt power-follow current. In particular, it applies to surge arresters consisting of single or multiple spark gaps in series with one or more non-linear resistors.

**EVS-EN 60099-4:2002**
Hind 433,00
Identne IEC 60099-4:1991
ja identne EN 60099-4:1993
**Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems**
This International Standard applies to non-linear metal-oxide resistor type surge arresters without spark gaps designed to limit voltage surges on a.c. power circuits. This standard basically applies to all metal-oxide surge arresters; however, polymeric housed, GIS, liquid immersed and other special designs may require special consideration in design, test and application.

**EVS-EN 60099-5:2002**
Hind 316,00
Identne IEC 60099-5:1996+A1:1999
ja identne EN 60099-5:1996+A1:1999
**Surge arresters - Part 5: Selection and application recommendations**
This part of IEC 99 provides recommendations for the selection and application of surge arresters to be used in three-phase systems with nominal voltages above 1 kV. It applies to non-linear resistor type gapped surge arresters as defined in IEC 99-1 and to gapless metal-oxide surge arresters as defined in IEC 99-4.

**EVS-EN 60127-5:2002**
Hind 126,00
Identne IEC 60127-5:1988
ja identne EN 60127-5:1991
**Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links**
Gives a guide for tests for assessing the quality of miniature fuse-links other than type tests, for the case where there is no complete agreement between the user and the manufacturer on what such tests should be.

**EVS-EN 60255-6:2002**
Hind 212,00
Identne IEC 60255-6:1988
ja identne EN 60255-6:1994
**Electrical relays - Part 6: Measuring relays and protection equipment**
This standard specifies the general performance requirements of all electrical measuring relays and protection equipment used in the electrotechnical fields of the IEC.

**EVS-EN 60871-4:2002**
Hind 130,00
Identne IEC 60871-4:1996
ja identne EN 60871-4:1996
**Shunt capacitors for a.c. power systems having a rated voltage above 1 kV - Part 4: Internal fuses**
This part of IEC 871 applies to internal fuses which are designed to isolate faulty capacitor elements, in order to allow operation of the remaining parts of that capacitor unit and the bank in which the capacitor unit is connected. Such fuses are not a substitute for a switching device such as a circuit-breaker, or for external protection of the capacitor bank or any part thereof. The object of this part of IEC 871 is to formulate requirements regarding performance and testing and to provide a guide for co-ordination of fuse protection.

**EVS-EN 60127-4:2001/A1:2002**
Hind 139,00
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.

**EVS-EN 60691:2001/A2:2002**
Hind 92,00
Identne IEC 60691:1993/A2:2000
ja identne EN 60691:1995/A2:2000
**Thermal-links - Requirements and application guide**

Applies to thermal-links, intended for incorporation in electrical appliances, electronic equipment and component parts thereof, normally intended for use indoors, in order to protect them against excessive temperatures under abnormal conditions. May be applicable to thermal-links for use under other than indoor conditions, provided that the climatic and other circumstances in the immediate surroundings of such thermal-links are comparable with those in this standard.

**EVS-HD 630.2.1 S5:2002**
Hind 272,00
Identne IEC 60269-2-1:1998 + A1:1999
ja identne HD 630.2.1 S5:2002
**Low-voltage fuses - Part 2-1: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Sections I to IV: Examples of types of standardized fuses for use by authorized persons**
The following additional requirements apply to fuses with:SECTION I and (IA) - (striker) fuse-links having blade contacts intended to be replaced by means of a device, such as a replacement handle. Such fuses have rated currents up to and including 1250 A and a rated voltages up to and including 690 V a.c. or 440 V d.c.SECTION II - fuse-links having bolted connections. Such fuses have rated currents up to and including 1250 A and a rated voltages up to and including 690 V a.c. and up to and including 500 V d.c. SECTION III - fuse-links having cylindrical caps with or without striker. Such fuses have rated currents not exceeding 125 A and a rated

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prEVS 27570
Tähtaeg: 2003-02-01
Identne IEC 364-4-43:1977 + A1:1997
ja identne HD 384.4.43 S2:2001
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 43: Protection against overcurrent**
Sets out general rules for protection of live conductors against overload and short circuit. Specifies the features of various protective devices and necessary coordination between conductors and overload protective devices.
prEVS 55215
Tähtaeg: 2003-02-01
Identne IEC 60269-4-1:2002
ja identne EN 60269-4-1:2002
**Low-voltage fuses - Part 4-1: Supplementary requirements for fuse-links for the protection of semiconductor devices - Sections I to III: Examples of types of standardized fuse-links**
Is divided into three sections, each dealing with specific examples of standardized dimensions. Section I: Fuse-links having bolted connections: Type A, Type B, Type C. Section II: Fuse-links with flush end connections: Type A, Type B. Section III: Fuse-links with cylindrical contact caps: Type A. This standard covers dimensional systems but does not standardize characteristics.
prEVS 55294
Tähtaeg: 2003-02-01
Identne IEC 364-4-45:1984
ja identne HD 384.4.45 S1:1989
**Electrical installations of buildings - Part 4: Protection for safety - chapter 45: Protection against undervoltage**
Electrical installations of buildings - Part 4: Protection for safety - chapter 45: Protection against undervoltage
prEVS 55462
Tähtaeg: 2003-02-01
Identne IEC 60269-3-1:1994+ A1:1995+A2:2002
ja identne HD 630.3.1 S3:2002
**Low-voltage fuses - Part 3-1: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) Sections I to IV**
Gives a comprehensive description of the mechanical and electrical characteristics of these fuses and of the relevant tests. Describes six types of standardized fuses; D type fuses; cylindrical fuses (type A, B, C); pin-type fuses; cylindrical fuse links (primarily used in plugs) This new publication is of equal interest to the manufacturer and to the user of fuses namely for household and similar applications.

## 29.120.60 Lülitus- ja juhtimisaparaadid

Switchgear and controlgear

## UUED STANDARDID

**EVS-EN 50187:2002**
Hind 101,00
Identne EN 50187:1996
**Gas-filled compartments for a.c. switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV**
This standard applies to compartments pressurized at a maximum pressure of 3 bar (gauge) and with a maximum product pressure x volume of 2000 bar litres with inert gases, for example sulphur hexafluoride or nitrogen or a mixture of such gases, used in indoor or outdoor installations of AC switchgear and controlgear with raated voltages above 1 kV up to and including 52 kV where the gas is used principally for its dielectric and/or arc-quenching properties.

**EVS-EN 60129:2002**
Hind 199,00
Identne IEC 60129:1984+A1:1992+A2:1996
ja identne EN 60129:1994+A1:1994+A2:1996
**Alternating current disconnectors and earthing switches (includes Amendment A1:1994)**
This standard applies to alternating current disconnectors and earthing switches designed for indoor and outdoor installation, for voltages above 1000 V and for service frequencies up to and including 60 Hz. This standard also applies to the operating devices and their auxiliary equipment.

**EVS-EN 60934:2002**
Hind 360,00
Identne IEC 60934:2000
ja identne EN 60934:2001
**Circuit-breakers for equipment (CBE)**
This standard is applicable to mechanical switching devices designed as "circuit-breakers for equipment" (CBE) intended to provide protection to circuits within electrical equipment. This standard is also applicable for protection of electrical equipment in case of undervoltage and/or overvoltage. It is applicable for a.c. not exceeding 440 V and/or d.c.

not exceeding 250 V, and a rated current not exceeding 125 A.

**EVS-EN 50123-1:2002**
Hind 170,00
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.

**EVS-EN 50123-2:2002**
Hind 179,00
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.

**EVS-EN 50123-4:2002**
Hind 155,00
Identne EN 50123-4:1999
**Railway applications - Fixed installations - D.C. switchgear - Part 4: Outdoor d.c. in-line switch-disconnectors, disconnectors and d.c. earthing switches**
This Part of EN 50123 specifies requirements for outdoor d.c. switch-disconnectors, disconnectors and earthing switches for use in outdoor stationary installations of traction systems.

**EVS-EN 50123-6:2002**
Hind 170,00
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, amufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of EN 50123 or, when appropriate, with another applicable standard.

**EVS-EN 45510-2-7:2002**
Hind 163,00
Identne EN 45510-2-7:2002
**Guide for procurement of power station equipment - Part 2-7: Electrical equipment; Switchgear and controlgear**
This Standard gives guidance on writing the technical specification for the procurement of switchgear and controlgear for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide.

**EVS-EN 60947-4-1:2002**
Hind 338,00
Identne IEC 60947-4-1:2000
ja identne EN 60947-4-1:2001
**Low-voltage switchgear and controlgear - Part 4: Contactors and motor-starters - Section one: Electromechanical contactors and motor-starters**
States the characteristics of contactors and starters and associated equipment, the conditions with which contactors or starters shall comply (operation and behaviour, dielectric properties, the degrees of protection provided by their enclosures, their construction), the tests intended for confirming that these conditions have been met, the information to be given with the equipment or in the manufacturer's literature.

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prEVS 55276
Tähtaeg: 2003-02-01
Identne IEC 61540:1997 + A1:1998
ja identne HD 639 S1:2002
**Electrical accessories Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)**
Electrical accessories Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)

## 29.120.70 Releed

### Relays

## UUED STANDARDID

**EVS-EN 50205:2002**
Hind 75,00
Identne EN 50205:2002
**Relays with forcibly guided (mechanically linked) contacts**
This standard applies to all-or-nothing relays with forcibly guided (linked) contacts. The intention of this standard is to define stadardized requirements and tests for forcibly guided (linked) operation. Existing standards dealing with all-or-nothing relays maintain their validity. The requirements of this standard apply in addition to the existing standards wherever the all-or-nothing relays are equipped with forcibly guided (linked) contacts.

**EVS-EN 116203:2002**
Hind 109,00
Identne EN 116203:1994
**Blank detail specification: Electromechanical all-or-nothing relays for enhanced industrial application**
Blank detail specification.

**EVS-EN 116204:2002**
Hind 109,00
Identne EN 116204:1994
**Blank detail specification: Electromechanical all-or-nothing sealed relays for aggressive industrial application**
Blank detail specification.

**EVS-EN 116300:2002**
Hind 117,00
Identne EN 116300:1993
**Sectional Specification: Electromechanical All-Or-Nothing Heavy Load Relays of Assessed Quality (Rated from 5 A and above)**
This sectional specification applies to electromechanical all-or-nothing heavy load relays of assessed quality, rated from 5 A and above.

**EVS-EN 119000:2002**
Hind 212,00
Identne EN 119000:1996
**Generic Specification: Dry and mercury wetted reed contact units**
This Generic Specification applies to dry and mercury wetted reed contact units of assessed quality. It lists the tests and measurement procedures which may be selected for use in Detail Specifications for such units. This document also specifies the quality assessment procedures to be followed. This specification applies to those reed contact units which are operated by an applied magnetic field; it is not restricted to any particular type contact load.

**EVS-EN 147000:2002**
Hind 155,00
Identne EN 147000:1993
**Generic specification: Sockets for use with electrical relays of assessed quality**
This specification covers the general requirements for sockets used with plug in electrical relays of assessed quality.

**EVS-EN 147100:2002**
Hind 101,00
Identne EN 147100:1993
**Sectional specification: Relay sockets of assessed quality**
This sectional specification applies to relay sockets of assessed quality. It selects from the generic specification EN 147000:1993 and other sources the appropriate methods of test to be used in detail specifications derived from this specification, and contains basic test schedules to be used in the preparation of such specifications.

**EVS-EN 147101:2002**
Hind 83,00
Identne EN 147101:1994
**Blank detail specification: Relay sockets of assessed quality**
Blank detail specification.

**EVS-EN 60255-6:2002**
Hind 212,00
Identne IEC 60255-6:1988
ja identne EN 60255-6:1994
**Electrical relays - Part 6: Measuring relays and protection equipment**
This standard specifies the general performance requirements of all electrical measuring relays and protection equipment used in the electrotechnical fields of the IEC.

**EVS-EN 61811-1:2002**
Hind 139,00
Identne IEC 61811-1:1999
ja identne EN 61811-1:1999
**Electromechanical non-specified-time all-or-nothing relays of assessed quality - Part 1: General specification**
This generic specification applies to electromechanical non-specified-time all-or-nothing relays of assessed quality. In order to permit assessment of the quality of electromechanical all-or-nothing relays, this specification contains the definition of procedures to be followed for qualification approval and quality conformance inspection. Within the IECQ quality assessment system, this generic specification together with the relevant sectional and detail specifications is used for relay qualification approval. Approved relays will be granted an IECQ Certificate of Approval authorizing the use of the IECQ Mark of Approval.

**EVS-EN 60255-23:2002**
Hind 229,00
Identne IEC 60255-23:1994
ja identne EN 60255-23:1996
**Electrical relays - Part 23: Contact performance**
Is applicable to contact assemblies of relays within the scope of the IEC and covers basic considerations which are, in general, common to all types of relays covered by IEC 255.

**EVS-EN 60255-24:2002**
Hind 283,00
Identne IEC 60255-24:2001
ja identne EN 60255-24:2001
**Electrical relays - Part 24: Common format for transient data exchange (COMTRADE) for power systems**
This standard defines a format for files containing transient waveform and event data collected from power systems or power system models. The standard is for files stored on physical media such as digital hard drives and diskettes. It is not a standard for transferring data files over communication networks. The format is intended to provide an easily interpretable format for use in exchanging data, as such it does not make use of the econimies available from data encoding and compression which proprietary formats depend on for competitive advantage.

**EVS-EN 60255-25:2002**
Hind 155,00
Identne IEC 60255-25:2000
ja identne EN 60255-25:2000
**Electrical relays - Part 25: Electromagnetic emission tests for measuring relays and protection equipment**
This standard specifies the general requirements for the measurement of radio frequency emissions emanating from measuring relays and protection equipment for power systems protection including the control, monitoring and process interface equipment used with those systems. It is based on IEC CISPR 22 - see annex A.

**EVS-EN 60255-21-3:2002**
Hind 190,00
Identne IEC 60255-21-3:1993
ja identne EN 60255-21-3:1995
**Electrical relays - Part 21: Vibration, shock, bump and seismic tests on measuring relays and protection equipment - Section 3: Seismic tests**
Specifies the vibration, shock, bump and seismic tests applicable to electromechanical and static measuring relays and protection equipment, with or without output contacts.

**EVS-EN 60255-22-2:2002**
Hind 170,00
Identne IEC 60255-22-2:1996
ja identne EN 60255-22-2:1996
**Electrical relays - Part 22: Electrical disturbance tests for measuring relays and protection equipment - Section 2: Electrostatic discharge tests**
This section of IEC 255-22 is based on IEC 1000-4-2 and it refers to that standard where applicable. This section specifies general requirements for electrostatic discharge tests of static measuring relays and protection equipment, with or without output contacts. The object of the tests is to confirm the equipment being tested will not maloperate when energized and subjected to an electrostatic discharge.

**EVS-EN 60255-22-3:2002**
Hind 139,00
Identne IEC 60255-22-3:2000
ja identne EN 60255-22-3:2000
**Electrical relays - Part 22-3: Electrical disturbance tests for measuring relays and protection equipment - Radiated electromagnetic field disturbance tests**

This standard is based on IEC 61000-4-3, referring to that publication where applicable, and specifies the general requirements for radiated electromagnetic field disturbance tests for measuring relays and protection equipment for power system protection, including the control monitoring and process interface equipment used with those systems. The objective of the tests is to confirm that the EUT will operate correctly when energised and subjected to an electromagnetic field from a radiation source operating within the frequency range 80 MHz to 1000 MHz.

**EVS-EN 60255-22-6:2002**
Hind 139,00
Identne IEC 60255-22-6:2001
ja identne EN 60255-22-6:2001
**Electrical relays - Part 22-6: Electrical disturbance tests for measuring relays and protection equipment; Immunity to conducted disturbances induced by radio frequency fields**
This standard is based on IEC 61000-4-6, referring to that publication where applicable, and specifies the general requirements for conducted electromagnetic field disturbance tests for measuring relays and protection equipment for power system protection, including the control monitoring and process interface equipment used with those systems. The objective of the tests is to confirm that the EUT will operate correctly when energised and subjected to conducted disturbances, induced by radio-frequency fields with the frequency range 150 KHz to 80 MHz.

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prEVS 55120
Tähtaeg: 2003-02-01
Identne IEC 62246-1:2002
ja identne EN 62246-1:2002
**Reed contact units - Part 1: Generic specification**
Is a generic specification applying to dry and mercury wetted reed contact units of assessed quality. Lists the tests and measurement procedures which may be selected for use in detail specifications for such units. Specifies the quality assessment procedures to be followed.
prEVS 55250
Tähtaeg: 2003-02-01
Identne IEC 60255-22-4:2002
ja identne EN 60255-22-4:2002
**Electrical relays - Part 22-4: Electrical disturbance tests for measuring relays and protection equipment - Electrical fast transient/burst immunity test**
Specifies the general requirements for electrical fast transient immunity tests for measuring relays and protection equipment for power system protection, including the control, monitoring and process interface equipment used with these systems. Is based on IEC 61000-4-4.
prEVS 55251
Tähtaeg: 2003-02-01
Identne IEC 60255-22-5:2002
ja identne EN 60255-22-5:2002
**Electrical relays - Part 22-5: Electrical disturbance tests for measuring relays and protection equipment - Surge immunity test**
Specifies the general requirements for surge tests for measuring relays and protection equipment for power system protection, including the control, monitoring and process interface equipment used with these systems. Is based on IEC 61000-4-5.

## 29.120.99 Muud elektritarvikud

Other electrical accessories

## UUED STANDARDID

**EVS-EN 61810-1:2002**
Hind 229,00
Identne IEC 61810-1:1998
ja identne EN 61810-1:1998
**Electromechanical non-specified time all-or-nothing relays - Part 1: General requirements**
This part of IEC 61810 is a generic specification. It applies to electromechanical non-specified time all-or-nothing relays in a new condition only, which are used in many fields of electrotechnics (e.g. telecommunications, general industry equipment, etc.). Discrimination from other types of relays and related switching devices is given in annex C. Nevertheless, parts of this standard may be used also for other types of relays, such as static all-or-nothing relays. This standard states basic requirements for electromechanical non-specified time all-or-nothing relays. It comprises indication and explanations necessary for the understanding of the relevant basic characteristics of such relays. This standard contains standard values that reduce the variety of variants and facilitate the comparison of types.

**EVS-EN 61810-5:2002**
Hind 170,00
Identne IEC 61810-5:1998
ja identne EN 61810-5:1998
**Electromechanical non-specified time all-or-nothing relays - Part 5: Insulation coordination**
This part of IEC 61810 specifies the general requirements for the insulation coordination of electromechanical non-specified time all-or-nothing relays. This standard is based upon the basic safety standard for insulation coordination IEC 60664-1. This standard specifies the requirements for clearances, creepage distances and solid insulation for relays based upon performance criteria. It includes methods of electric testing with respect to insulation coordination for relays within low-voltage systems. It applies to relays for use up to 2 000 m above sea level, having a rated voltage up to 1 000 V a.c. or 1 500 V d.c. It does not include high-frequency requirements for insulation coordination. The requirements of this standard do not cover distances - through liquid insulation; - through gases other than air; - through compressed air.

## 29.130.10 Kõrgepingelised lülitusseadmed ja nende juhtseadmed

High voltage switchgear and controlgear

## UUED STANDARDID

**EVS-EN 50052:2002**
Hind 117,00
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.

**EVS-EN 50064:2002**
Hind 259,00
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.

**EVS-EN 50068:2002**
Hind 259,00
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.

**EVS-EN 50069:2002**
Hind 155,00
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.

**EVS-EN 60420:2002**
Hind 212,00
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.

**EVS-EN 60427:2002**
Hind 316,00
Identne IEC 60427:2000
ja identne EN 60427:2000
**Synthetic testing of high-voltage alternating current circuit-breakers**
Applies to a.c. circuit-breakers within the scope of IEC 56 (Clause 1). It provides the general rules for testing a.c. circuit-breakers, for making and breaking capacities over the range of test-duties described in Sub-clauses 6.102 to 6.111 of IEC 56, by synthetic methods. The purpose of this standard is to establish criteria for synthetic testing and for the proper evaluation of results. Such criteria will establish the validity of the test method without imposing restraints on innovation of test circuitry.

**EVS-EN 60470:2002**
Hind 316,00
Identne IEC 60470:1999
ja identne EN 60470:2000
**High-voltage alternating current contactors and contactor-based motor-starters**
This standard is applicable to a.c. contactors and/or contactor-based motor-starters designed for indoor installation and operation at frequencies up to and including 60 Hz on systems having voltages above 1 000 V but not exceeding 12 000 V.

**EVS-EN 61166:2002**
Hind 199,00
Identne IEC 61166:1993
ja identne EN 61166:1993
**High-voltage alternating current circuit-breakers - Guide for seismic qualification of high-voltage alternating current circuit-breakers**
This European Standard specifies seismic severity levels and gives a choice of methods that can be applied to demonstrate the performance of HV circuit breakers for which seismic qualification is required.

**EVS-EN 61259:2002**
Hind 101,00
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.

**EVS-EN 62271-100:2002**
Hind 506,00
Identne IEC 62271-100:2001
ja identne EN 62271-100:2001
**High-voltage switchgear and controlgear - Part 100: High-voltage alternating-current circuit-breakers**
Is applicable to a.c. circuit-breakers designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 000 V.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55106
Tähtaeg: 2003-02-01
Identne IEC 62271-102:2001
ja identne EN 62271-102:2002
**High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches**

Applies to alternating current disconnectors and earthing switches, designed for indoor and outdoor enclosed and open terminal installations for voltages above 1 000 V and for service frequencies up to and including 60 Hz. It also applies to the operating devices of these disconnectors and earthing switches and their auxiliary equipment. Additional requirements for disconnectors and earthing switches in enclosed switchgear and controlgear are given in IEC 60298, IEC 60466 and IEC 60517. Note: Disconnectors in which the fuse forms an integral part are not covered by this standard This first edition cancels and replaces Ed.3 of IEC 60129 published in 1984, amendment 1 (1992) and amendment 2 (1996). In addition, it replaces IEC 61128, IEC 61129 and IEC 61259, which are hereby withdrawn and cancelled.

## 29.130.20 Madalpingelised lülitusseadmed ja nende juhtseadmed

Low voltage switchgear and controlgear

### UUED STANDARDID

**EVS-EN 60439-3:2001/A2:2002**
Hind 109,00
Identne IEC 60439-3:1990/ A2:2001
ja identne EN 60439-3:1991/ A2:2001
**Low-voltage switchear and controlgear assemblies - Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access to their use - Distribution boards**
This standard gives supplementary requirements for such enclosed distribution boards (DBU), which are stationary, type tested assemblies (TTA) for indoor use, containing protective devices and intended for use either in domestic (household) applications or in other places where unskilled persons have access for their use.

**EVS-EN 60947-3:2001/A1:2002**
Hind 179,00
Identne IEC 60947-3:1999/ A1:2001
ja identne EN 60947-3:1999/ A1:2001
**Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units**
States the characteristics of the equipment, the conditions with which the equipment shall comply (operation and behaviour in normal service, operation and behaviour in case of specified abnormal conditions, dielectric properties), the test for confirming that these conditions have been met and the methods to be adopted for these tests; the information to be marked on the equipment or made available by the manufacturer, e.g. in the catalogue. This publication supersedes IEC 408 (1985) and should be read in conjunction with IEC 947-1 (1988).

**EVS-EN 60947-4-2:2001/A1:2002**
Hind 190,00
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.

## 29.130.99 Muud lülitusseadmed ja nende juhtseadmed

Other switchgear and controlgear

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55106
Tähtaeg: 2003-02-01
Identne IEC 62271-102:2001
ja identne EN 62271-102:2002
**High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches**
Applies to alternating current disconnectors and earthing switches, designed for indoor and outdoor enclosed and open terminal installations for voltages above 1 000 V and for service frequencies up to and including 60 Hz. It also applies to the operating devices of these disconnectors and earthing switches and their auxiliary equipment. Additional requirements for disconnectors and earthing switches in enclosed switchgear and controlgear are given in IEC 60298, IEC 60466 and IEC 60517. Note: Disconnectors in which the fuse forms an integral part are not covered by this standard This first edition cancels and replaces Ed.3 of IEC 60129 published in 1984, amendment 1 (1992) and amendment 2 (1996). In addition, it replaces IEC 61128, IEC 61129 and IEC 61259, which are hereby withdrawn and cancelled.

## 29.140.10 Lambisoklid ja -pesad

Lamp caps and holders

### UUED STANDARDID

**EVS-EN 60061-1:2001/A25:2002**
Hind 146,00
Identne IEC 60061-1:1969/ A25:2001
ja identne EN 60061-1:1993/ A25:2001
**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.

**EVS-EN 60061-1:2001/A26:2002**
Hind 163,00
Identne IEC 60061-1:1969/ A26:2001
ja identne EN 60061-1:1993/ A26:2001
**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.

**EVS-EN 60061-1:2001/A27:2002**
Hind 126,00
Identne IEC 60061-1:1969/ A27:2001

ja identne EN 60061-1:1993/ A27:2001
**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.

**EVS-EN 60061-1:2001/A28:2002**
Hind 126,00
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.

**EVS-EN 60061-1:2001/A29:2002**
Hind 126,00
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.

**EVS-EN 60061-2:2001/A22:2002**
Hind 146,00
Identne IEC 60061-2:1969/ A22:2001
ja identne EN 60061-2:1993/ A22:2001
**Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders**
This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

**EVS-EN 60061-2:2001/A23:2002**
Hind 155,00
Identne IEC 60061-2:1969/ A23:2001
ja identne EN 60061-2:1993/ A23:2001
**Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders**
This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

**EVS-EN 60061-2:2001/A24:2002**
Hind 92,00
Identne IEC 60061-2:1969/ A24:2001
ja identne EN 60061-2:1993/ A24:2002
**Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders**
This is a loose-leaf publication and supplements containing new and revised sheets are issued from time to time.

**EVS-EN 60061-2:2001/A26:2002**
Hind 126,00
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.

**EVS-EN 60061-3:2001/A24:2002**
Hind 212,00
Identne IEC 60061-3:1969/ A24:2001
ja identne EN 60061-3:1993/ A24:2001
**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.

**EVS-EN 60061-3:2001/A25:2002**
Hind 212,00
Identne IEC 60061-3:1969/ A25:2001
ja identne EN 60061-3:1993/ A25:2001
**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.

**EVS-EN 60061-3:2001/A26:2002**
Hind 179,00
Identne IEC 60061-3:1969/ A26:2001
ja identne EN 60061-3:1993/ A26:2001
**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.

**EVS-EN 60061-3:2001/A27:2002**
Hind 170,00
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.

**EVS-EN 60061-3:2001/A28:2002**
Hind 179,00
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.

**EVS-EN 61184:2001/A1:2002**
Hind 75,00
Identne IEC 61184:1997/A1:2000
ja identne EN 61184:1997/A1:2001
**Bayonet lampholders**
This standard applies to bayonet lampholders B15d and B22d for connection of lamps and semi-luminaires to a supply voltage of 250 V.

## 29.140.20 Hõõglambid

Incandescent lamps

### UUED STANDARDID

**EVS-EN 50285:2002**
Hind 66,00
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.

**EVS-EN 60630:2002**
Hind 316,00
Identne IEC 60630:1994+ A1,A2,A3:1999
ja identne EN 60630:1998+ A3:1999
**Maximum lamp outlines for incandescent lamps**
Comprises maximum lamp outlines for tungsten filament lamps for domestic and similar general lighting purposes.

**EVS-EN 60682:2002**
Hind 199,00
Identne IEC 60682:1980+ A1:1987+A2:1997
ja identne EN 60682:1993+ A2:1997
**Method of measuring the pinch temperature of quartz glass lamps**
Specifies details of the type of thermocouple to be used to measure the pinch temperature of quartz glass lamps, three methods of preparation of the lamp and thermocouple, and the measurement to be made.

**EVS-EN 60983:2002**
Hind 229,00
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.

**EVS-EN 61047:2002**
Hind 229,00
Identne IEC 61047:1991+ A1:1996+A2:2001
ja identne EN 61047:1992+ A1:1996+A2:2001
**D.c. or a.c. supplied electronic step-down convertors for filament lamps - Performance requirements**
Specifies performance requirements for electronic step-down convertors for use on d.c. supplies up to 250 V and a.c. supplies up to 1000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with tungsten halogen lamps (as specified in IEC 357) and other filament lamps.

**EVS-EN 60432-1:2002**
Hind 259,00
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).

**EVS-EN 60432-2:2002**
Hind 155,00
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.

## 29.140.30 Luminofoorlambid. Lahenduslambid

Fluorescent lamps. Discharge lamps

### UUED STANDARDID

**EVS-EN 50107:2002**
Hind 155,00
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.

**EVS-EN 50285:2002**
Hind 66,00
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.

**EVS-EN 60081:2002**
Hind 472,00
Identne IEC 60081:1997+A1:2000
ja identne EN 60081:1998+ A1:2002
**Double-capped fluorescent lamps - Performance specifications**
This International Standard specifies the performance requirements for double-capped fluorescent lamps for general lighting service. The requirements of this standard relate only to type testing, Conditions of compliance, including methods of statistical assessment, are under consideration.

**EVS-EN 60188:2002**
Hind 247,00
Identne IEC 60188:2001
ja identne EN 60188:2001
**High pressure mercury vapour lamps - Performance specifications**
This standard specifies the performance requirements for high-prssure mercury vapour lamps for general lighting purposes, with or without a red correcting fluorescent coating.

**EVS-EN 60192:2002**
Hind 212,00
Identne IEC 60192:2001
ja identne EN 60192:2001
**Low pressure sodium vapour lamps - Performance specifications**
States the methods of test to be used for determining the characteristics of low pressure sodium vapour lamps of the integral type, both U-shaped and linear, operating on a.c. mains, 50 Hz or 60 Hz.

**EVS-EN 60901:2002**
Hind 506,00
Identne IEC 60901:1996+ A1:1997+A2:2000
ja identne EN 60901:1996+ A1:1997+A2:2000
**Single-capped fluorescent lamps - Performance specifications**
Specifies the safety and performance requirements of a range of single-capped fluorescent lamps which are operated on a.c. supplies.

**EVS-EN 60921:2002**
Hind 272,00
Identne IEC 60921:1988+ A1:1990+A2:1994
ja identne EN 60921:1991+ A1:1992+A2:1995
**Ballasts for tubular fluorescent lamps - Performance requirements**
Specifies performance requirements for ballasts excluding resistance types for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz, associated with tubular fluorescent lamps with or without pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and characteristics as specified in IEC 81. A.C. supplied electronic ballasts for high frequency operation are excluded. These are specified in IEC 928. Supersedes IEC 82.

**EVS-EN 60923:2002**
Hind 229,00
Identne IEC 60923:1995+A1:2001
ja identne EN 60923:1996+ A1:2001
**Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements**
Specifies performance requirements for ballasts for discharge lamps such as high-pressure mercury vapour, low-pressure and high-pressure sodium vapour, high-pressure sodium and metal halide lamps. Each section details specific requirements for a particular type of ballasts. The standard covers inductive type ballasts for use on a.c. supplies up to 1 000 V at 50 Hz to 60 Hz associated with discharge lamps, having rated wattage, dimensions and characteristics as specified in the relevant IEC lamp standards.

**EVS-EN 60925:2002**
Hind 229,00
Identne IEC 60925:1989+ A1:1996+A2:2001
ja identne EN 60925:1991+ A1:1996+A2:2001
**D.C. supplied electronic ballasts for tubular fluorescent lamps - Performance requirements**
Specifies general performance requirements for electronic ballasts for use on d.c. supplies having rated voltages not exceeding 250 V associated with tubular fluorescent lamps.

**EVS-EN 60927:2002**
Hind 229,00
Identne IEC 60927:1996+A1:1999
ja identne EN 60927:1996+ A1:1999
**Auxiliaries for lamps - Starting devices (other than glow starters) - Performance requirements**
Specifies performance requirements for starting devices (starters and ignitors) for tubular fluorescent and other discharge lamps for use on a.c. supplies up to 1000 V at 50 Hz or 60 Hz which produce starting pulses not greater than 5 kV. Should be read in conjunction with IEC 926.

**EVS-EN 60929:2002**
Hind 316,00
Identne IEC 60929:1990+ Cor+A1:1994+A2:1996
ja identne EN 60929:1992+ A1:1995+A2:1996
**A.C.-supplied electronic ballasts for tubular fluorescent lamps - Performance requirements**
Specifies performance requirements for electronic ballasts for use on a.c. supplies up to 1000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with tubular fluorescent lamps as specified in IEC 81 and 901 and other tubular fluorescent lamps for high frequency operation.

**EVS-EN 61228:2002**
Hind 170,00
Identne IEC 61228:1993+A1:1996
ja identne EN 61228:1994+ A1:1996
**Method of measuring and specifying the UV-radiation of ultraviolet lamps used for sun-tanning**
This International Standard describes a method of measuring, evaluating and specifying the ultraviolet radiation of lamps which are used in skin treatment appliances for household and similar use, mainly for sun-tanning purposes.

## 29.140.40
## Valgustid

Luminaires

## UUED STANDARDID

**EVS-EN 60634:202**
Hind 163,00
Identne IEC 60634:1993
ja identne EN 60634:1995
**Heat test source (H.T.S.) lamps for carrying out heating tests on luminaires**
Specifies requirements for heat test source (H.T.S.) lamps used for carrying out the thermal tests of IEC 598.

**EVS-EN 60598-2-23:2001/A1:2002**
Hind 75,00
Identne IEC 60598-2-23:1996/ A1:2000
ja identne EN 60598-2-23:1996/ A1:2000
**Luminaires - Part 2: Particular requirements - Section 23: Extra low-voltage lighting systems for filament lamps**

This section of IEC 598-2 specifies requirements for extra low voltage lighting systems for filament lamps intended for ordinary interior use on supply voltages not exceeding 1 000 V. The luminaires, being connected in parallel, are supplied via freely suspended continuous supporting conductors or profiles. The current in the output circuit of the system is limited to 25 A.

**EVS-EN 60598-2-3:2001/ A2:2002**
Hind 101,00
Identne IEC 60598-2-3:1993/ A2:2000
ja identne EN 60598-2-3:1994/ A2:2001
**Luminaires - Part 2: Particular requirements - Section 3: Luminaires for road and street lighting**
Specifies requirements for luminaires for road and street lighting, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 1 000 V.

## 29.140.99 Muud lampide ja valgustitega seotud standardid

Other standards related to lamps

### UUED STANDARDID

**EVS-EN 60810:2002**
Hind 295,00
Identne IEC 60810:1993+ A1:1994+A2:2001
ja identne EN 60810:1994+ A1:2001+A2:2001
**Lamps for road vehicles - Performance requirements**
One of a series of IEC standards for incandescent lamps to be used in headlamps, fog-lamps and signalling lamps of road vehicles.

## 29.160 Pöörlevad masinad

Rotating machinery

### UUED STANDARDID

**EVS-EN 60034-5:2002**
Hind 190,00
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.

## 29.160.01 Pöörlevad masinad üldiselt

Rotating machinery in general

### UUED STANDARDID

**EVS-EN 60034-1:2001**
Hind 306,00
Identne IEC 60034-1:1996+ A1:1997+A2:1999
ja identne EN 60034-1:1998+ A1:1998+A2:1999
**Rotating electrical machines - Part 1: Rating and performance**
This standard is applicable to all rotating electrical machines except those covered by other IEC standards - for example, IEC 349. Machines within the scope of this standard may also be subjected to superseding, modifying or additional requirements in other publications - for example, IEC 79, and IEC 92.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 34496
Tähtaeg: 2003-02-01
Identne IEC 60034-8:2002
ja identne EN 60034-8:2002
**Rotating electrical machines - Part 8: Terminal markings and direction of rotation**
Determines terminal markings, direction of rotation and relation between terminal markings and direction of rotation for a.c. machines without commutator and d.c. commutator machines.
prEVS 55451
Tähtaeg: 2003-02-01
Identne EN 60034-1:1998/A11:2002
**Rotating electrical machines - Part 1: Rating and performance**
This standard is applicable to all rotating electrical machines except those covered by other IEC standards - for example, IEC 349. Machines within the scope of this standard may also be subjected to superseding, modifying or additional requirements in other publications - for example, IEC 79, and IEC 92.

## 29.160.10 Pöörlevate masinate osad

Components for rotating machines

### UUED STANDARDID

**EVS-EN 50209:2002**
Hind 75,00
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.

## 29.160.20 Generaatorid

Generators

### UUED STANDARDID

**EVS-EN 60034-22:2002**
Hind 179,00
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.

## 29.160.30
## Mootorid

Motors

### UUED STANDARDID

**EVS-EN 60034-12:2002**
Hind 139,00
Identne IEC 60034-12:2002
ja identne EN 60034-12:2002
**Rotating electrical machnines - 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).

**EVS-EN 45510-2-5:2002**
Hind 170,00
Identne EN 45510-2-5:2002
**Guide for procurement of power station equipment - Part 2-5: Electrical equipment; Motors**
This Standard gives guidance on writing the tchnical specification for the procurement of motors for use in electricity generating stations (power stations). This Guide for procurement is not applicable to equipment for use in the nuclear reactor plant area of nuclear power stations. Other possible applications of such equipment have not been considered in the preparation of this Guide.

## 29.160.40
## Generaatoragregaadid

Generating sets

### UUED STANDARDID

**EVS-EN 61204:2001/A1:2002**
Hind 92,00
Identne IEC 61204:1993/A1:2001
ja identne EN 61204:1995/A1:2001
**Low-voltage power supply devices, d.c. output - Performance characteristics and safety requirements**
Describes a method of specifying requirements for low-voltage power supply devices (including switching types) providing d.c. output(s) up to 200 V d.c. at a power level up to 30 kW, operating from a.c. or d.c. source voltages of up to 600 V. The devices are for use within class I equipment or for free-standing peration when used with adequate electrical and mechanical protection. When power supplies are developed as components of an equipment covered by specific product standards, these standards apply.

## 29.180
## Trafod. Reaktorid

Transformers. Reactors

### UUED STANDARDID

**EVS-EN 50180:2002**
Hind 199,00
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.

**EVS-EN 50181:2002**
Hind 83,00
Identne EN 50181:1997
**Plug-in type bushings above 1 kV up to 36 kV and from 250 A to 1,25 kA for equipment other than liquid filled transformers**
This standard is applicable to insulated bushings for rated voltages above 1 kV up to 36 kV, rated currents from 250 A up to 1250 A and frequencies from 15 Hz up to 60 Hz for equipment other than liquid filled transformers.

**EVS-EN 50195:2002**
Hind 126,00
Identne EN 50195:1996
**Code of practice for the safe use of fully enclosed askarel-filled electrical equipment**
This Code of practice gives guidance to users of fully enclosed askarel-filled electrical equipment. National and Local Authorities regulations (if any) take priority. This Code of Practice is applicable to fully enclosed electrical equipment which is designated to be filled with askarels: i.e. askarel-filled electrical equipment. This Code of Practice is applicable to electrical equipment which contains more than five litres of askarels.

**EVS-EN 50225:2002**
Hind 126,00
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.

**EVS-EN 60310:2002**
Hind 247,00
Identne IEC 60310:1991
ja identne EN 60310:1996
**Railway applications - Traction transformers and inductors on rolling stock**
This European Standard EN 60310 applies to traction transformer installed on board rolling stock and to the various type of inductors inserted in the power and auxiliary circuits of electric vehicles. The term "inductor" is used in the Standard with the same meaning as the term "reactor" mentioned in IEC Publications 50(421), 50(811) and 289 (EN 60289) and is considered equivalent.

**EVS-EN 60599:2002**
Hind 247,00
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.

**EVS-EN 61007:2002**
Hind 295,00
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.

**EVS-EN 61181:2002**
Hind 155,00
Identne IEC 61181:1993
ja identne EN 61181:1993
**Impregnated insulating materials - Application of dissolved gas analysis (DGA) to factory tests on electrical equipment**
This European Standard specifies analysis requirements and procedures, and recommends sensitivity and precision criteria for factory testing of power transformers, reactors and instrument transformers.

**EVS-EN 61203:2002**
Hind 139,00
Identne IEC 61203:1992
ja identne EN 61203:1994
**Synthetic organic esters for electrical purposes - Guide for maintenance of transformer esters in equipment**
This International Standard is a guide to the maintenance of synthetic organic esters, originally complying with the requirements of IEC 1099, in transformers with rated voltages up to 35 kV. It is intended to assist the equipment operator in assessing the quality of the liquid during use in the equipment and maintaining it in a serviceable condition.

**EVS-EN 138121:2002**
Hind 92,00
Identne EN 138121:2001
**Blank detail specification: Fixed inductors for electromagnetic interference suppression - Inductors for which safety tests are required (safety tests only)**
This blank detail specification forms the basis of a uniform procedure for a common European Mark. It implements the approval schedule for safety test in EN 138100, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the design.

**EVS-EN 60076-1:2002**
Hind 283,00
Identne IEC 60076-1:1993+ A1:1999+A12:2002
ja identne EN 60076-1:1997+ A1:2000+A12:2002
**Power transformers - Part 1: General**
This part of International Standard IEC 76 applies to three-phase and single-phase power transformers (including auto-transformers) with the exception of certain categories of small and special transformers such as: single-phase transformers with rated power less than 1 kVA and three-phase transformers less than 5 kVA; instrument transformers; transformers for static convertors; traction transformers mounted on rolling stock; starting transformers; testing transformers; welding transformers.

**EVS-EN 60076-2:2002**
Hind 229,00
Identne IEC 60076-2:1993
ja identne EN 60076-2:1997
**Power transformers - Part 2: Temperature rise**
This part of International Standard IEC 76 identifies transformers according to their cooling methods, defines temperature-rise limits and details the methods of test for temperature-rise measurements. It applies to transformers as defined in the scope of IEC 76-1.

**EVS-EN 60076-3:2002**
Hind 283,00
Identne IEC 60076-3:2000+ CORR:2000
ja identne EN 60076-3:2001
**Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air**
Gives insulation requirements for power transformers and the corresponding insulation tests for specific windings. Applies to single-phase and three-phase oil-immersed power transformers as defined in the IEC 60076-1. It Includes appendices on: partial discharge measurements during induced a.c. withstand voltage test on transformers; overvoltage transferred from a high-voltage winding to a low-voltage winding; information to be supplied with enquiries and orders.

**EVS-EN 61021-1:2002**
Hind 109,00
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.

**EVS-EN 61021-2:2002**
Hind 155,00
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

**EVS-EN 61248-1:2002**
Hind 229,00
Identne IEC 61248-1:1996
ja identne EN 61248-1:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 1:Generic specification**
This part of EN/IEC 61248 is a generic specification which prescribes the compliance requirements formanufacturers of transformers and inductors for use in electronic equipment in order to obtain capability approval in accordance with 11.7 of QC 001002, and the component test

schedules to be used for the assessment of that capability. It applies to components, including polyphase types, that are primarily intended for use in electronic and telecommunication equipment.

**EVS-EN 61248-2:2002**
Hind 155,00
Identne IEC 61248-2:1996
ja identne EN 61248-2:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 2: Sectional specification for signal transformers on the basis of the capability approval procedure**
This part of EN/IEC 61248 specifies how to prepare detail specifications for signal transformers to be relased under the terms of EN/IEC 61248-1 (QC 260000) capability approval. It includes a blank detail specification (BDS), which shows the format, and indicates which tests are considered to be appropriate to this type of component, although the final selection of tests to be included in the inspection schedule is at the discretion of the specification writer. It also lists appropriate ratings and characteristics.

**EVS-EN 61248-3:2002**
Hind 155,00
Identne IEC 61248-3:1996
ja identne EN 61248-3:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 3: Sectional specification for power transformers on the basis of the capability approval procedure**
This part of EN/IEC 61248 specifies how to prepare detail specifications for power transformers to be released under the terms of EN/IEC 61248-1 (QC 260000) capability approval. It includes a blank detail specification (BDS), which shows the format and indicates which tests are considered to be appropriate to this type of component, although the final selection of tests to be included in the inspection schedule is at the discretion of the specification writer. It also lists appropriate ratings and characteristics.

**EVS-EN 61248-4:2002**
Hind 190,00
Identne IEC 61248-4:1996
ja identne EN 61248-4:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 4: Sectional specification for power transformers for switched mode power supplies (SMPS) on the basis of the capability approval procedure**
This part of EN/IEC 61248 specifies how to prepare detail specifications for SMPS power transformers to be released under the terms of EN/IEC 61248-1 (QC 260000) capability approval. It includes a blank detail specification (BDS), which shows the format, and indicates which tests are considered to be appropriate to this type of component, although the final selection of tests to be included in the inspection schedule is at the discretion of the specification writer. It also lists appropriate ratings and characteristics.

**EVS-EN 61248-5:2002**
Hind 155,00
Identne IEC 61248-5:1996
ja identne EN 61248-5:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 5: Sectional specification for pulse transformers on the basis of the capability approval procedure**
This part of EN/IEC 61248 specifies how to prepare detail specifications for pulse transformers to be released under the terms of EN/IEC 61248-1 (QC 260000) capability approval. It includes a blank detail specification (BDS), which shows the format, and indicates which tests are considered to be appropriate to this type of component, although the final selection of tests to be included in the inspection schedule is at the discretion of the specification writer. It also lists appropriate ratings and characteristics.

**EVS-EN 61248-6:2002**
Hind 155,00
Identne IEC 61248-6:1996
ja identne EN 61248-6:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 6: Sectiona lspecification for inductors on the basis of the capability approval procedure**
This part of EN/IEC 61248 specifies how to prepare detail specifications for inductors to be released under the terms of EN/IEC 61248-1 (QC 260000) capability approval. It includes a blank detail specification (BDS), which shows the format, and indicates which tests are considered to be appropriate to this type of component, although the final selection of tests to be included in the inspection schedule is at the discretion of the specification writer. It also lists appropriate ratings and characteristics.

**EVS-EN 61248-7:2002**
Hind 212,00
Identne IEC 61248-7:1997
ja identne EN 61248-7:1997
**Transformers and inductors for use in electronic and telecommunication equipment - Part 7: Sectional specification for high-frequency inductors and intermediate transformers on the basis of the capability approval procedure**
This part of EN/IEC 61248 specifies how to prepare detail specifications for high frequency inductors and intermediate frequency transformers between 10 KHz to 2 GHz for use in electronic and telecommunication equipment to be released under the terms of EN/IEC 61248-1 (QC 260000) capability approval. It includes a blank detail specification (BDS), which shows the format and indicates which tests are considered to be appropriate to this type of component, although the final selection of tests to be included in the inspection schedule is at discretion of the specification writer.

**EVS-EN 61797-1:2002**
Hind 199,00
Identne IEC 61797-1:1996
ja identne EN 61797-1:1996
**Transformers and inductors for use in telecommunication and electronic equipment - Main dimensions of coil formers - Part 1: Coil formers for laminated cores**
This part of IEC 1797 specifies the main dimensions of coil formers for transformers and inductors, using a square stack of the laminations inserted in the coil formers. The main dimensions are those permitting interchangeability with respect to conformance with

core sizes and outline dimensions of the completed components.

**EVS-EN 60076-10:2002**
Hind 179,00
Identne IEC 60076-10:2001
ja identne EN 60076-10:2001
**Power transformers - Part 10: Determination of sound level**
This standard defines sound pressure and sound intensity measurement methods by which sound power levels of transformers, reactors and their associated cooling auxiliaries may be determined. The methods are applicable to transformers and reactors covered by publications IEC 60076, IEC 60289, IEC 60726 and IEC 61378, without limitation as regards size or voltage and when fitted with their normal cooling auxiliaries. This standard is primiarily intended to apply to measurements made at the factory. Conditions on-site may be very different because of the proximity of objects, including other transformers. Nevertheless, the same general rules as are given in this standard may be followed when onsite measurements are made. For the purposes of this standard, the term 'transformer' should be taken to mean 'transformer or reactor'.

**EVS-EN 60146-1-3:2002**
Hind 179,00
Identne IEC 60146-1-3:1991
ja identne EN 60146-1-3:1993
**Semiconductor convertors; general requirements and line commutated convertors; part 1-3: transformers and reactors**
Specifies characteristics wherein convertor transformers differ from ordinary power transformers. In all other respects, the rules specified in IEC 60076 shall apply.

**EVS-EN 61558-2-7:2001**
Hind 83,00
Identne IEC 61558-2-7:1997
ja identne EN 61558-2-7:1997
**Safety of power transformers, power supply units and similar - Part 2-7: Particular requirements for transformers for toys**
This part 2 of IEC 61558 applies to transformers for toys having a rated supply voltage not exceeding 250 V a.c., a rated frequency of 50/60 Hz, a rated output voltage not exceeding 24 V a.c. or 33 V ripple-free d.c. and a rated output not exceeding 200 VA and a rated output current not exceeding 10 A.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 36124
Tähtaeg: 2003-02-01
Identne IEC 60076-5:2000
ja identne EN 60076-5:2000
**Power transformers - Part 5: Ability to with-stand short circuit**
This part of IEC 60076 identifies the requirements for power transformers to sustain without damage the effects of overcurrents originated by external short circuits. It describes the calculation procedures used to demonstrate the thermal ability of a power transformer to withstand such overcurrents and the special test used to demonstrate its ability to withstand the relevant dynamic effects. The requirements apply to transformers as defined in the scope of IEC 60076-1.
prEVS 55175
Tähtaeg: 2003-02-01
Identne IEC 60076-4:2002
ja identne EN 60076-4:2002
**Power transformers - Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors**
Gives guidance and explanatory comments on the existing procedures for lightning and switching impulse testing of power transformers to supplement the requirements of IEC 60076-3. Also generally applicable to the testing of reactors (see IEC 60289), modifications to power transformer procedures being indicated where required. Information is given on waveshapes, test circuits including test connections, earthing practices, failure detection methods, test procedures, measuring techniques and interpretation of results.
prEVS 55249
Tähtaeg: 2003-02-01
Identne EN 50336:2002
**Bushings for transformers and reactor cable boxes not exceeding 36 kV**
This standard is applicable to insulated bushing for use in air insulated, shroud insulated and fully insulated cable boxes for liquid filled transformers and reactors for rated voltages up to 36 kV, and rated curents up to 4000 A at frequencies from 15 Hx to 60Hz
prEVS 55365
Tähtaeg: 2003-02-01
Identne HD 428.6 S1:2002
**Three phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV Part 6: Requirements and tests concerning pressurised corrugated tanks**
This part 6 of HD 428 series is applicable to test procedures to verify the mechanical withstand capability of the corrugated tanks of completely oil filled and hermetically sealed distribution transformers.
prEVS 55469
Tähtaeg: 2003-02-01
Identne EN 50243:2002
**Outdoor bushings for 24 kV and 36 kV and for 5 kA and 8 kA, for liquid filled transformers**
This standard is applicable to ceramic insulated outdoor bushings for highest voltages for equipment of 24 kV and 36 kV, with rated currents of 5 kA and 8 kA and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers.

## 29.200
## Alaldid. Muundurid. Stabiliseeritud toiteallikad

Rectifiers. Converters. Stabilized power supply

## UUED STANDARDID

**EVS-EN 50207:2002**
Hind 212,00
Identne EN 50207:2000
**Railway applications - Electronic power converters for rolling stock**
This standard is applicable to power electronic converters mounted on-board railway rolling-stock and intended for supplying: - traction circuits - auxiliary circuits of power vehicles, coaches and trailers The application of this standard extends as far as possible to all other traction vehicles, including trolleybuses for example.

**EVS-EN 60633:2002**
Hind 229,00
Identne IEC 60633:1998
ja identne EN 60633:1999
**Terminology for high-voltage direct current (HVDC) transmission**

This International Standard defines terms for high-voltage direct current (HVDC) power transmission systems and for HVDC substations using electronic power converters for the conversion from a.c. to d.c. or vice versa.

**EVS-EN 60700-1:2002**
Hind 272,00
Identne IEC 60700-1:1998
ja identne EN 60700-1:1998
**Thyristor valves for high voltage direct current (HVDC) power transmission - Part 1: Electrical testing**
This standard applies to thyristor valves with metal oxide surge arresters directly connected between the valve terminals, for use in a line commutated converter for high voltage d.c. power transmission or as part of a back-to-back link. It is restricted to electrical type and production tests. The tests specified in this standard are based on air insulated valves. For other types of valves, the test requirements and acceptance criteria must be agreed.

**EVS-EN 61204-6:2002**
Hind 179,00
Identne IEC 61204-6:2000
ja identne EN 61204-6:2001
**Low-voltage power supplies, d.c. output - Part 6: Requirements for low-voltage power supplies of assessed performance**
This standard applies to power supplies for general purpose applications. These power supplies carry out an AC-to-DC conversion or a DC-to-DC conversion. Appropriate provisions for safety will be found in the relevant product standards. As far as input characteristics are concerned, this standard applies only to the supplies of DC voltages with a rated value up to 600 V. As far as output characteristics are concerned, this standard applies only to the supplies of DC voltages less than 200 V with a power limited to 2,5 kW; the latter power can be extended to 30 kW by taking care of the appropriate test methods.

**EVS-EN 61800-2:2002**
Hind 338,00
Identne IEC 61800-2:1998
ja identne EN 61800-2:1998
**Adjustable speed electrical power drive systems - Part 2: General requirements - Rating specifications for low voltage adjustable frequency a.c. power drive systems**
This standard applies to adjustable frequency 3-phase, cage-rotor motor drive systems (AFD) using semiconductor power conversion with a maximum load side frequency up to 600 Hz. The AFD includes power conversion, control equipment, and also an A.C. motor or motors. It applies to power drive systems (PDS) connected to line voltages up to 1 kV A.C., 50 or 60 Hz.

**EVS-EN 50091-1-2:2002**
Hind 212,00
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.

**EVS-EN 60146-1-1:2002**
Hind 348,00
Identne IEC 60146-1-1:1991 + A1:1996
ja identne EN 60146-1-1:1993 + A1:1997
**Semiconductor convertors - General requirements and line commutated convertors - Part 1-1: Specifications of basic requirements**
Specifies the requirements for the performance of all electronic power convertors and electronic power switches using controllable and/or non-controllable electronic valves. Specifies the requirements applicable to line commutated convertors for conversion of a.c. power to d.c. power or vice versa including tests and service conditions which influence the basis of rating.

## 29.220.10 Primaarelemendid ja -patareid

## Primary cells and batteries

## UUED STANDARDID

**EVS-EN 60086-1:2002**
Hind 199,00
Identne IEC 60086-1:2000
ja identne EN 60086-1:2001
**Primary batteries - Part 1: General**
This part of IEC 60086 applies to primary cells and batteries based on any electrochemical system. The objects of its publication are: a) to ensure the electrical and physical interchangebility of products from different manufacturers; b) to limit the number of battery types; c) to define a standard of quality and provide guidance for its assessment; d) to provide guidance on matters of safety.

**EVS-EN 60086-2:2002**
Hind 229,00
Identne IEC 60086-2:2000+ A1:2001
ja identne EN 60086-2:2001+ A1:2001
**Primary batteries - Part 2: Physical and electrical specifications**
Specifies dimensions together with outline drawings of batteries, conditions and minimum duration of discharges and applications.

**EVS-EN 60086-4:2002**
Hind 179,00
Identne IEC 60086-4:2000
ja identne EN 60086-4:2000
**Primary batteries - Part 4: Safety standard for lithium batteries**
This international standard specifies performance requirements for primary lithium batteries to ensure their safe opeation under normal use and reasonably foreseeable misuse.

**EVS-EN 60086-5:2002**
Hind 163,00
Identne IEC 60086-5:2000
ja identne EN 60086-5:2000
**Primary batteries - Part 5: Safety of batteries with aqueous electrolyte**
This International Standard specifies performance requirements for primary batteries with aqueous electrolyte to ensure their safe operation under normal use and resonably foreseeable misuse.

## 29.220.20 Happeakud ja - akupatareid

Acid secondary cells and batteries

## UUED STANDARDID

**EVS-EN 61044:2002**
Hind 126,00
Identne IEC 61044:1990
ja identne EN 61044:1992
**Opportunity-charging of lead-acid traction batteries**
The standard covers the "opportunity-charging" of lead-acid traction batteries, i.e. the use of free time during a working period to top up the charge and thus extend the working day of a battery whilst avoiding excessive discharge.

**EVS-EN 60095-2:2002**
Hind 190,00
Identne IEC 60095-2:1984
ja identne EN 60095-2:1993 + A11:1994
**Lead-acid starter batteries - Part 2: Dimensions of batteries and dimensions and marking of terminals**
This standard is applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as a power source for starting and ignition of internal combusion engines, lighting and also for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "Starter batteries". This standard is not applicable to batteries for other purposes, for example the starting of railcar internal combustion engines.

**EVS-EN 60095-4:2002**
Hind 146,00
Identne IEC 60095-4:1989
ja identne EN 60095-4:1993 + A11:1994
**Lead-acid starter batteries - Part 4: Dimensions of batteries for heavy commercial vehicles**
This standard is applicable to lead-acid batteries used for starting, lighting and igniting of agriculture machines, buses, coaches and lorries.

**EVS-EN 60254-2:2002**
Hind 163,00
Identne IEC 60254-2:1997+A1:2000
ja identne EN 60254-2:1997+A1:2000
**Lead-acid traction batteries - Part 2: Dimensions of cells and terminals and marking of polarity on cells**
This part of IEC 254 is applicable to lead-acid traction batteries used as power sources for electric propulsion. The object of the present standard is to specify: - the maximum external (overall) dimensions of traction battery cells, that is, the width, the height and the lenght; - the form of the marking of traction battery cell polarity and dimension of corresponding symbols; - the basic dimensions of some commonly used traction battery terminals designed to connect output cables to the battery.

**EVS-EN 60896-1:2002**
Hind 229,00
Identne IEC 60896-1:1987+A1:1988+A2:1990
ja identne EN 60896-1:1991+A2:1992
**Stationary lead-acid batteries - General requirements and methods of test - Part 1: Vented types**
The standard applies to lead-acid cells and batteries which are designed for service in a fixed location (i.e. not habitually to be moved from place to place) and which are permanently connected to the load and to the d.c. power supply.

**EVS-EN 60952-1:2002**
Hind 190,00
Identne IEC 60952-1:1988
ja identne EN 60952-1:1993
**Aircraft batteries - Part 1: General test requirements and performance levels**
This standard, published in two parts, covers both vented nickel-cadmium and vented lead-acid aircraft batteries containing vented or valve-regulated cells or monoblocs. The batteries are used for general purposes and dedicated applications.

**EVS-EN 60952-2:2002**
Hind 170,00
Identne IEC 60952-2:1991
ja identne EN 60952-2:1993
**Aircraft batteries - Part 2: Design and construction requirements**
This part of IEC 952 covers both nickel-cadmium and lead-acid aircraft batteries containing vented or valve-regulated cells or monoblocs. The batteries are used for both general purposes and specific applications.

**EVS-EN 60952-3:2002**
Hind 117,00
Identne IEC 60952-3:1993
ja identne EN 60952-3:1995
**Aircraft batteries - Part 3:External electrical connectors**
Defines the design and dimensions of the external electrical connectors on aircraft batteries which interface with the connector plugs on the aircraft.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 30938
Tähtaeg: 2003-02-01
Identne IEC 60254-1:1997
ja identne EN 60254-1:1997
**Lead-acid traction batteries - Part 1: General requirements and methods of test**
This part of IEC 254 is applicable to lead-acid traction batteries used as power sources for electric propulsion. Clauses 1 to 5 are applicable to all traction battery applications which include road vehicles, locomotives, industrial trucks and mechanical handling equipments. Clause 6 offers a series of tests which may be used specifically to test batteries developed for use in vehicles such as light passenger vehicles, motor cycles, light commercial vehicles, etc.

prEVS 55330
Tähtaeg: 2003-02-01
Identne EN 50272-3:2002
**Safety requirements for secondary batteries and battery installations - Part 3: Traction batteries**
This standard applies to secondary batteries and battery installations used for electric vechicles, e.g. in electric industrial trucks (including lift trucks, tow trucks, cleaning machines, automatic guided vechicles), in battery powered locomotives, in electric road vechicles (e.g. passenger and good vechicles, golf carts, bicycles, wheel chairs. The nominal voltages are limited to 1000 V d.c., respectively and describe the principal measures for protection against hazards generally from electricity, gas emission and electrolyte.

## 29.220.30
## Leelisakud ja -akupatareid

Alkaline secondary cells and batteries

### UUED STANDARDID

**EVS-EN 61150:2002**
Hind 117,00
Identne IEC 61150:1992 + Cor.:1992
ja identne EN 61150:1993
**Alkaline secondary cells and batteries - Sealed nickel-cadmium rechargeable monobloc batteries in button cell design**
Specifies tests and requirements for sealed nickel-cadmium rechargeable monobloc batteries in button cell design, suitable for use in any orientation.

**EVS-EN 61808:2002**
Hind 146,00
Identne IEC 61808:1999
ja identne EN 61808:2000
**Secondary cells and batteries containing alkaline or other non- acid electrolytes - Sealed nickel-metal hydride button rechargeable single cells**
This International Standard specifies tests and requirements for sealed nickel-metal hydride button recheargeable single cells, suitable for use in any direction.

## 29.220.99
## Muud akud ja patareid

Other cells and batteries

### UUED STANDARDID

**EVS-EN 60623:2002**
Hind 179,00
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 exsists an IEC standard specifying test conditions and requirements for cells usd in special applications and which is in conflict with this standard, the former shall take precedence.

## 29.240
## Elektrijaotusvõrgud

Power transmission and distribution networks

### UUED STANDARDID

**EVS-EN 60495:2002**
Hind 283,00
Identne IEC 60495:1993
ja identne EN 60495:1994
**Single sideband power-line carrier terminals**
Establishes recommended values for characteristic input and output quantities of single sideband power line carrier terminals and the definitions essential for an understanding of the requirements.

## 29.240.00
## Elektrijaotusvõrgud

Power transmission and distribution networks

### UUED STANDARDID

**EVS-EN 50171:2002**
Hind 126,00
Identne EN 50171:2001
**Central power supply systems**
This European Standard specifies the general requirements for central power supply systems for an independent energy supply to essential safety equipment. In particular it covers systems permanently connected to a.c. supply voltages not exceeding 1000 V and that use batteries as the alternative power source.

## 29.240.01
## Elektrijaotusvõrgud üldiselt

Power transmission and distribution networks in general

### UUED STANDARDID

**EVS-EN 61138:2002**
Hind 190,00
Identne IEC 61138:1994 + A1:1995
ja identne EN 61138:1997
**Cables for portable earthing and short-circuiting equipment**
Applies to flexible cables with covering based on ethylene propylene rubber (EPR) or on polyvinyl chloride (PVC) for portable earthing and short-circuiting equipment.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55287
Tähtaeg: 2003-02-01
Identne IEC 60050-826:1982+A1+A2+A3:1999
ja identne HD 384.2 S2:2001
**International electrotechnical vocabulary - Chapter 826: Electrical installations og buildings**
International electrotechnical vocabulary - Chapter 826: Electrical installations og buildings

## 29.240.10
## Alajaamad. Liigpingepiirikud

Substations. Surge arresters

### UUED STANDARDID

**EVS-EN 60099-1:2002**
Hind 326,00
Identne IEC 60099-1:1991+ A1:1999
ja identne EN 60099-1:1994+ A1:1999
**Surge arresters - Part 1:Non-linear resistor type gapped surge arresters for a.c. systems**
This part of International Standard IEC 99 applies to surge protective devices designed for repeated operation to limit voltage surges on a.c. power circuits and to interrupt power-follow current. In particular, it applies to surge arresters consisting of single or multiple spark gaps in series with one or more non-linear resistors.

**EVS-EN 60099-4:2002**
Hind 433,00
Identne IEC 60099-4:1991
ja identne EN 60099-4:1993
**Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems**
This International Standard applies to non-linear metal-oxide resistor type surge arresters without spark gaps designed to limit voltage surges on a.c. power circuits. This standard basically applies to all metal-oxide surge arresters; however, polymeric housed, GIS, liquid immersed and other special designs may require special consideration in design, test and application.

**EVS-EN 60099-5:2002**
Hind 316,00
Identne IEC 60099-5:1996+ A1:1999
ja identne EN 60099-5:1996+

A1:1999
**Surge arresters - Part 5: Selection and application recommendations**
This part of IEC 99 provides recommendations for the selection and application of surge arresters to be used in three-phase systems with nominal voltages above 1 kV. It applies to non-linear resistor type gapped surge arresters as defined in IEC 99-1 and to gapless metal-oxide surge arresters as defined in IEC 99-4.

## 29.240.20 Elektrijaotusliinid

Power transmission and distribution lines

## UUED STANDARDID

**EVS-EN 50183:2002**
Hind 83,00
Identne EN 50183:2000
**Conductors for overhead lines - Aluminium-magnesium-silicon alloy wires**
This standard is applicable to heat treated aluminium-magnesium-silicon alloy wires for the manufacture of stranded conductors for overhead power transmission purposes. It specifies the mechanical and electrical properties of wire in the range of 1,50 mm to 5,00 mm.

**EVS-EN 60743:2002**
Hind 272,00
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.

**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 61773:2002**
Hind 272,00
Identne IEC 61773:1996
ja identne EN 61773:1996
**Overhead lines - Testing of foundations for structures**
This International Standard is applicable to the testing procedures for foundations of overhead line structures. The object of this standard is to provide procedures which apply to the investigation of the load-carrying capacity and/or the load response (deflection or rotation) of the foundation as an interaction between the foundation and the surrounding soil and/or rock. The mechanical strength of the structural components is not within the object of this standard.

**EVS-EN 60834-1:2002**
Hind 283,00
Identne IEC 60834-1:1999
ja identne EN 60834-1:1999
**Teleprotection equipment of power systems - Performance and testing - Part 1: Command systems**
Applies to teleprotection command systems used to convey command information, generally in conjunction with protection equipment. Aims at establishing performance requirements and recommended testing methods for command type teleprotection equipment. The information conveyed by the teleprotection equipment can be in analogue or digital form.

**EVS-EN 60909-0:2002**
Hind 306,00
Identne IEC 60909-0:2001
ja identne EN 60909-0:2001
**Short circuit currents in three-phase a.c. systems - Part 0: Calculation of currents**
This standard is applicable to the calculation of short-circuit currents in low-voltage three-phase a.c. systems and in high-voltage three-phase a.c. systems operating at nominel frequency 50 Hz or 60 Hz. Systems at highest voltages of 525 kV and above with long transmission lines need special consideration.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55241
Tähtaeg: 2003-02-01
Identne EN 50341-2:2002
**Overhead electrical lines exceeding AC 45 kV. Part 2: Index of National Normative Aspects**
Overhead electrical lines exceeding AC 45 kV. Part 2: Index of National Normative Aspects
prEVS 55336
Tähtaeg: 2003-02-01
Identne IEC 61479:2001/A1:2002
ja identne EN 61479:2001/A1:2002
**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 eathed electrical conductors and for the avoidance of short circuits during live working.
prEVS 55450
Tähtaeg: 2003-02-01
Identne IEC 61484:2001/A1:2002
ja identne EN 61481:2001/A1:2002
**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.

## 29.260
## Eritingimustes töötavad elektriseadmed

Electrical equipment for working in special conditions

### UUED STANDARDID

**EVS-EN 60743:2002**
Hind 272,00
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.

## 29.260.00
## Eritingimustes töötavad elektriseadmed

Electrical equipment for working in special conditions. General

### UUED STANDARDID

**EVS-EN 50187:2002**
Hind 101,00
Identne EN 50187:1996
**Gas-filled compartments for a.c. switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV**
This standard applies to compartments pressurized at a maximum pressure of 3 bar (gauge) and with a maximum product pressure x volume of 2000 bar litres with inert gases, for example sulphur hexafluoride or nitrogen or a mixture of such gases, used in indoor or outdoor installations of AC switchgear and controlgear with raated voltages above 1 kV up to and including 52 kV where the gas is used principally for its dielectric and/or arc-quenching properties.

## 29.260.10
## Väliselektripaigaldised

Electrical installations for outdoor use

### UUED STANDARDID

**EVS-EN 50186-1:2002**
Hind 75,00
Identne EN 50186-1:1998
**Live-line washing systems for power installations with nominal voltages above 1 kV - Part 1: Common requirements**
This standard applies to the installation and operation of fixed and portable washing systems for the washing and cleaning of energized insulators on outdoor installations with voltages of over 1 kV.

**EVS-EN 50186-2:2002**
Hind 57,00
Identne EN 50186-2:1998
**Live-line washing systems for power installations with nominal voltages above 1 kV - Part 2: National annexes**
These normative annexes list the the particular national requirements, as laid down in the relevant laws, regulations and standards, which specify the protective distances for each of the CENELEC member countries at the time when this standard was prepared. They may be different to the protective distances given in EN 50186-1.

## 29.260.20
## Plahvatusohtlikus keskkonnas töötavad elektriseadmed

Electrical apparatus for explosive atmospheres

### UUED STANDARDID

**EVS-EN 50016:2002**
Hind 163,00
Identne EN 50016:2002
**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".

**EVS-EN 50020:2002**
Hind 272,00
Identne EN 50020:2002
**Electrical apparatus for potentially explosive atmospheres - Intrinsic safety "i"**
This European Standard specifies the construction and testing of intrinsically safe apparatus, intended for use in potentially explosive atmospheres and for associated apparatus, which is intended for connection to intrinsically safe circuits which enter such atmospheres. This European Standard supplements EN 50014:1992, the requirements of which apply to intrinsically safe apparatus and to associated apparatus except as indicated in the following list.

**EVS-EN 50033:2002**
Hind 109,00
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).

**EVS-EN 60079-14:2002**
Hind 259,00
Identne IEC 60079-14:1996
ja identne EN 60079-14:1997
**Electrical apparatus for explosive gas atmospheres - Part 14: Electrical installations in hazardous areas (other than mines)**

This part of IEC 79 contains the specific requirements for the design, selection and erection of electrical installations in explosive gas atmospheres. These requirements are in addition to the requirements for installations in non-hazardous areas. This standard applies to all electrical equipment and installations in hazardous areas whether permanent, temporary, portable, transportable or hand-held. It applies to installations at all voltages.

**EVS-EN 60079-17:2002**
Hind 212,00
Identne IEC 60079-17:1996
ja identne EN 60079-17:1997
**Electrical apparatus for explosive gas atmospheres - Part 17: Inspection and maintenance of electrical installations in hazardous areas (other than mines)**
The standard is intended to be applied by users, and covers factors directly related to the inspection and maintenance of electrical installations within hazardous areas only. It does not include conventional requirements for electrical installations nor the testing and certification of electrical apparatus. It does not cover Group I (applications for mines susceptible to firedamp) apparatus. It does not cover the alternative of "Continuous supervision by skilled personnel". This standard supplements the requirements laid down in IEC 364-6-61.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 36697
Tähtaeg: 2003-03-01
Identne prEN 13160-1:2002
**Leak detection systems - Part 1: General principles**
This European Standard specifies the general principles for leak detection systems for use with double-skin tanks, single-skin tanks and pipework designed for water polluting fluids
prEVS 36700
Tähtaeg: 2003-03-01
Identne prEN 13160-2:2002
**Leak detection systems - Part 2: Pressure and vacuum systems**
This European Standard specifies the requirements for leak detection systems class I for use with double-skin systems, designed for water polluting fluids
prEVS 36702
Tähtaeg: 2003-03-01
Identne prEN 13160-4:2002
**Leak detection systems - Part 4: Liquid and/or vapour sensor systems for use in leakage containments or interstitial spaces**
This standard specifies the requirements for leak detection systems - class III for use in the interstitial space of double-skin systems or in leakage containments of single skin systems designed for water polluting fluids
prEVS 36704
Tähtaeg: 2003-03-01
Identne prEN 13160-6:2002
**Leak detection systems - Part 6: Sensors in monitoring wells**
This European Standard specifies the requirements for leak detection systems class V for use with systems designed for fuels which are flammable, having a flash point up to but not exceeding 100 °C
prEVS 36705
Tähtaeg: 2003-03-01
Identne prEN 13160-7:2002
**Leak detection systems - Part 7: General requirements and test methods for interstitial spaces, leak protecting linings and leak protecting jackets**
This European Standard specifies the type test of the interstitial space and the general requirements and test methods for leak protecting linings and leak protecting jackets which are parts of leak detection systems

## 29.260.99 Muud eritingimustes töötavad elektriseadmed

Other electrical equipment for working in special conditions

## UUED STANDARDID

**EVS-EN 60743:2002**
Hind 272,00
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.

**EVS-EN 61219:2002**
Hind 272,00
Identne IEC 61219:1993
ja identne EN 61219:1993
**Live working - Earthing or earthing and short-circuiting equipment using lances as a short-circuiting device - Lance earthing**
This European Standard applies to equipment for temporary earthing or earthing and short-circuiting of electrically isolated parts of a.c. installations, the disconnection of which has been verified, for the protection of workers while work is in progress using lance(s) as the earthing or earthing and short-circuiting device.

**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 61243-5:2002**
Hind 295,00
Identne IEC 61243-5:1997
ja identne EN 61243-5:2001
**Live working - Voltage detectors - Part 5: Voltage detecting systems (VDS)**
This standard is applicable to voltage detecting systems that are single pole capacitively coupled to live parts and that are used to detect the presence or absence of operating voltage on AC electrical systems for voltages from 1 kV to 52 kV and frequencies from 16 2/3 Hz til 60 Hz. This standard is also applicable to phase comparators designed for voltage detecting systems.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55336

Tähtaeg: 2003-02-01
Identne IEC 61479:2001/A1:2002
ja identne EN 61479:2001/
A1:2002
**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 eathed electrical conductors and for the avoidance of short circuits during live working.
prEVS 55450
Tähtaeg: 2003-02-01
Identne IEC 61484:2001/A1:2002
ja identne EN 61481:2001/
A1:2002
**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.

## 29.280
## Elekterveoseadmed

Electric traction equipment

## UUED STANDARDID

**EVS-EN 50163:2002**
Hind 0,00
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 Umax1 until such time as these documents have determined the appropriate definition of maximum voltage following the publication of EN 50163.

**EVS-EN 50215:2002**
Hind 190,00
Identne EN 50215:1999
**Railway applications - Testing of rolling stock after completion of construction and before entry into service**
This European Standard specifies general criteria to demonstrate by testing that complete railway vehicles conform with standards or other normative documents. This European Standard, as a whole or in part, applies to all railway vehicles except special purpose vehicles such as track-laying machines, ballast cleaners and personnel carriers. The extent of application of the standard for particular vehicles will be specifically mentioned in the contract. In so far as this European Standard is applicable it may be used for the following: - generator sets mounted on a vehicle provided for auxiliary purposes; - the electrical transmission used on trolley busses or similar vehicles; - control and auxiliary equipment of vehicles with non-electrical propulsion systems; - vehicles guided, supported or electrically propelled by systems which do not use the adhesion between wheel and rail.

**EVS-EN 60310:2002**
Hind 247,00
Identne IEC 60310:1991
ja identne EN 60310:1996
**Railway applications - Traction transformers and inductors on rolling stock**
This European Standard EN 60310 applies to traction transformer installed on board rolling stock and to the various type of inductors inserted in the power and auxiliary circuits of electric vehicles. The term "inductor" is used in the Standard with the same meaning as the term "reactor" mentioned in IEC Publications 50(421), 50(811) and 289 (EN 60289) and is considered equivalent.

**EVS-EN 50123-3:2002**
Hind 139,00
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.

**EVS-EN 50206-1:2002**
Hind 146,00
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.

**EVS-EN 50206-2:2002**
Hind 126,00
Identne EN 50206-2:1999
**Railway applications - Rolling stock - Pantographs: Characteristics and tests - Part 2: Pantographs for metros and light rail vehicles**
This standard defines the general assembly charcteristics 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 main line vehicles: these pantographs are considered in EN 50206-1. This standard relates to conventional suspended overhead line systems and accessories. The systems (or part of them) which are rigidly suspended will require special

consideration between the customer and the supplier.

**EVS-EN 60349-1:2002**
Hind 259,00
Identne IEC 60349-1:1999 + A1:2002
ja identne EN 60349-1:2000 + A1:2002
**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.

**EVS-EN 60349-2:2002**
Hind 272,00
Identne IEC 60349-2:1993
ja identne EN 60349-2:2001
**Railway applications - Rotating electrical machines for rail and road vehicles - Part 2: Electronic converter-fed alternating current motors**
Applies to convertor-fed alternating current motors forming part of the equipment of electrically propelled rail and road vehicles and enables the performance of a motor to be confirmed by tests.

**EVS-EN 50123-7-2:2002**
Hind 75,00
Identne EN 50123-7-2:1999
**Railway applications - Fixed installations - D.C. switchgear - Part 7: Measurement, control and protection devices for specific use in d.c. traction systems - Section 2: Isolating current transducers and other current measuring devices**
EN 50123-7-2 gives the requirements for isolating current transducers and other current measuring devices used in d.c. railway applications, fixed installations. This transducer is normally positioned between the sensor on the live switchboard conductor or rail and the secondary device, giving galvanic insulating between the input and the output.

**EVS-EN 50123-7-3:2002**
Hind 75,00
Identne EN 50123-7-3:1999
**Railway applications - Fixed installations - D.C. switchgear - Part 7: Measurement, control and protection devices for specific use in d.c. traction systems - Section 3: Isolating voltage transducers and other voltage measuring devices**
EN 50123-7-3 gives the requirements for isolating voltage transducers and other voltage measuring devices used in d.c. railway applications, fixed installations. This transducer is normally positioned between the voltage sensor on the line switchboard conductor or rail and the secondary device, giving galvanic insulation between the input and the output.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55328
Tähtaeg: 2003-02-01
Identne EN 50317:2002
**Railway applications -Current collection systems - Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line**
The European standard specifies the functional requirements for output and accuracy of measurements of the dynamic interaction between pantograph and overhead contact line

prEVS 55329
Tähtaeg: 2003-02-01
Identne EN 50318:2002
**Railway applications -Current collection systems -Validation of simulation of the dynamic interaction between pantograph and overhead contact line**
This European standard specifies functional requirements for the validation of simulation methods to ensure mutual acceptance of input and output parameters, a standardized subset of test results . for evaluation of simulation methods, comparison with measurements and comparison between simulation methods. This standard applies to the current from an overhead contact line by pantographs mouted on railway vecicles. It does not apply to trolley bus systems.

prEVS 55366
Tähtaeg: 2003-02-01
Identne IEC 60077-1:1999
ja identne EN 60077-1:2002
**Railway applications - Electric equipment for rolling stock - Part 1: General service conditions and general rules**
Specifies the general service conditions and requirements for all electric equipment installed in power circuits, auxiliary circuits, control and indicating circuits etc., on rolling stock. Intends to harmonize as far as practicable all rules and requirements of a general nature applicable to electric equipment for rolling stock..

prEVS 55367
Tähtaeg: 2003-02-01
Identne IEC 60077-3:2001
ja identne EN 60077-3:2002
**Railway applications - Electric equipment for rolling stock - Part 3: Electrotechnical components - Rules for d.c. circuit-breakers**
In addition to the general requirements of IEC 60077-2, it gives the rules for circuit-breakers, the main contacts of which are to be connected to d.c. power and/or auxiliary circuits. The nominal voltage of these circuits does not exceed 3 000 V d.c. according to IEC 60850.

## 31.020 Elektroonikaseadiste üldküsimused

Electronic components in general

## UUED STANDARDID

**EVS-EN 61709:2002**
Hind 259,00
Identne IEC 61709:1996
ja identne EN 61709:1998
**Electronic components - Reliability - Reference conditions for failure rates and stress models for conversion**
This document gives guidance on the use of failure rate data for the reliability prediction of components in electronic equipment. Reference conditions for failure rate data are specified, so that data from different sources can be compared on a uniform basis. If failure rate data are given in accordance with this document then no additional information on the specified conditions is required.

**EVS-EN 60938-1:2002**
Hind 170,00
Identne IEC 60938-1:1999
ja identne EN 60938-1:1999

**Fixed inductors for electromagnetic interference suppression - Part 1: Generic specification**
This standard applies to inductors designed for electomagnetic interference suppression intended for use within, or associated with, electronic or electrical equipment and machines. It is restricted to inductors, for which electrical shock hazard protection tests are appropriate. The combination of two or more inductors within one enclosure is also included. Inductors within the scope of this standard may also be used to protect apparatus and machines from electrical noise and voltage or current transients coming from either the supply or from other parts of the apparatus. The standard does not necessarily apply in its entirety to inductors intended for use on motor vehicles, in aircraft or for marine applications.

**EVS-EN 60938-2:2002**
Hind 0,00
Identne IEC 60938-2:1999
ja identne EN 60938-2:1999
**Fixed inductors for electromagnetic interference suppression - Part 2: Sectional specification**
This standard applies to fixed inductors designed for electromagnetic interference suppression and which fall within the scope of the Generic specification, IEC 60938-1. It is restricted to fixed inductors for which electrical shock hazard protection tests are appropriate. This implies that inductors specified according to this specification will either be connected to mains supplies, when compliance with the mandatory tests of table 1 is necessary, or used in other circuit positions where the equipment specification prescribes that some or all of these electrical shock hazard protection tests are required.

**EVS-EN 61760-2:2002**
Hind 92,00
Identne IEC 61760-2:1998
ja identne EN 61760-2:1998
**Surface mounting technology -- Part 2: Transportation and storage conditions of surface mounting devices (SMD) - Application guide**
This International Standard describes the transportation and storage conditions for surface mounting devices (SMDs) that are fulfilled in order to enable trouble-free processing of surface mounting devices, both active and passive. (Conditions for printed boards are not taken into consideration.)

**EVS-EN 100114-1:2002**
Hind 126,00
Identne EN 100114-1:1996
**Rule of Procedure - Quality Assessment Procedures - Part 1: CECC requirements for the approval of an organization**
This section is intended for use by manufactureres, distributors and specialist contractors operating in the field of electronic components, who wish to obtain quality system approval for an organization under the CECC System. This RP shall prevail in cases of apparent conflict.

**EVS-EN 100114-6:2002**
Hind 170,00
Identne EN 100114-6:1996+A1:1999
**Rule of procedure 14: Quality assessment procedures - Part 6: Technology approval of electronic component manufacturers**
Technology approval is a method of approving a complete technological process (design, process realization, product manufacture, test and shipment) covering the qualification aspects common to all products as determined by the technology under consideration. This method has evolved to meet the needs of users and manufacturers and incorporates many of the latest principles and technicques in the management of quality i.e. TQM.

**EVS-EN 160200-2:2002**
Hind 259,00
Identne EN 160200-2:1997
**Sectional specification: Microwave modular electronic units of assessed quality - Part 2: Index of test methods**
This part 2 of the Sections Specification EN 160200 defines standard/reference test methods for electrical, mechanical and visual inspection as prescribed in Part 1 of the Sectional Specification EN 160200 and blank detail specification EN 160201 for microwave modular electronic units (MMEUs).

**EVS-EN 60938-2-1:2002**
Hind 101,00
Identne IEC 60938-2-1:1999
ja identne EN 60938-2-1:1999
**Fixed inductors for electromagnetic interference suppression - Part 2-1: Blank detail specification: Inductors for which safety tests are required. Assessment level D**
A blank detail specification is a supplementary document to the Sectional specification and contains requirments for style, layout and minimum content of detail specification.Detail specifications not complying with these requirements may not be considered as being in accordance with IEC specifications nor shall they so be described. In the preparation of detail specifications the content of 1.4 of the sectional specification shall be taken into account.

**EVS-EN 60938-2-2:2002**
Hind 92,00
Identne IEC 60938-2-2:1999
ja identne EN 60938-2-2:1999
**Fixed inductors for electromagnetic interference suppression - Part 2-2: Blank detail specification - Inductors for which safety tests are required (only)**
Forms the basis for a uniform procedure for a common mark. It implements the approval schedule for safety tests only in IEC 60938-2, requires a declaration of design for parameters relevant ot safety tests and prescribes conformance tests to be conducted on every lot prior to its release and re-qualification tests depending on changes of the design. May be more appropriate for components manufactured in mass production, whereas this specification may be necessary in those cases where approval and re-qualification tests contribute considerably to the costs of the product.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55306
Tähtaeg: 2003-02-01
Identne IEC 597-1:1977
ja identne HD 95.1 S1:1979

**Aeriala for the reception of sound and television broadcasting in the frequency range 30 Mz to 26 GHz - Part 2: Electrical and mechanical characteristics**
Aeriala for the reception of sound and television broadcasting in the frequency range 30 Mz to 26 GHz. Electrical and mechanical characteristics
prEVS 55307
Tähtaeg: 2003-02-01
Identne IEC 597-2:1977
ja identne HD 95.2 S2:1979
**Aeriala for the reception of sound and television broadcasting in the frequency range 30 Mz to 26 GHz - Part 2: Methods of measurement of electrical performance parameters**
Aeriala for the reception of sound and television broadcasting in the frequency range 30 Mz to 26 GHz. Methods of measurement of electrical performance parameters
prEVS 55310
Tähtaeg: 2003-02-01
Identne IEC 91:1958
ja identne HD 97 S1:1978
**Recommended methods of mesurement on receivers for frquency-modulation broadcast transmissions**
Recommended methods of mesurement on receivers for frquency-modulation broadcast transmissions
prEVS 55311
Tähtaeg: 2003-02-01
Identne IEC 184:1965
ja identne HD 178 S1:1977
**Methods for specifying the characteristics of electro-mechanical transducers for shock and vibration measurements**
Methods for specifying the characteristics of electro-mechanical transducers for shock and vibration measurements
prEVS 55314
Tähtaeg: 2003-02-01
Identne IEC 451:1974
ja identne HD 242 S1:1977
**Maximum case dimensions for capacitators and resitors**
Maximum case dimensions for capacitators and resitors
prEVS 55315
Tähtaeg: 2003-02-01
Identne IEC 339-2:1972
ja identne HD 350.2 S1:1978
**General purpose rigid coaxial transmission lines and their associated flange connectors - Part 2: Detail specification**
General purpose rigid coaxial transmission lines and their associated flange connectors. Part 2: Detail specification
prEVS 55318
Tähtaeg: 2003-02-01
Identne IEC 574-8:1979
ja identne HD 369.8 S1:1984
**Audiovisual, video and television equipment and systems - Part 8: Symbols and identifications**
Audiovisual, video and television equipment and systems. Symbols and identifications

## 31.040.00 Resistorid

Resistors. General

### UUED STANDARDID

**EVS-EN 60062:2002**
Hind 190,00
Identne IEC 60062:1992 + A1:1995
ja identne EN 60062:1993 + A1:1997+A11:2001
**Marking codes for resistors and capacitors**
Specifies a colour code of 12 colours for values and tolerances of fixed resistors and a letter and digit code for resistance and capacitance values and tolerances.

## 31.040.10 Püsitakistid

Fixed resistors

### UUED STANDARDID

**EVS-EN 140100:2002**
Hind 155,00
Identne EN 140100:1996+A1:2001
**Sectional specification: Fixed low power non-wire wound resistors**
This sectional specification prescribes the preferred values for characteristics and ratings and also the inspection requirements for fixed low power non-wire wound resistors of assessed quality. It selects from the generic specification, EN 140000, the appropriate methods of test to be used in detail specifications derived from this specification.

**EVS-EN 140101:2002**
Hind 83,00
Identne EN 140101:1996
**Blank detail specification: Fixed low power non-wire wound resistors (Assessment level S)**
The numbers between square brackets on the first page correspond to the following indications which should be given.

**EVS-EN 140200:2002**
Hind 155,00
Identne EN 140200:1996+A1:2001
**Sectional Specification: Fixed power resistors**
This sectional specification prescribes the preferred values for characteristics and ratings and also the inspection requirements for fixed surface mounting resistors of assessed quality having a rated dissipation up to 1 000 W. It selects from the generic specification, EN 140000, the appropriate methods of test to be used in detail specifications derived from this specification.

**EVS-EN 140201:2002**
Hind 92,00
Identne EN 140201:1996
**Blank detail specification: Fixed power resistors (Assessment level S)**
The numbers between square brackets on the first page correspond to the following indications which should be given.

**EVS-EN 140202:2002**
Hind 92,00
Identne EN 140202:1996
**Blank detail specification: Fixed power resistors (Assessment level M)**
The numbers between square brackets on the first page correspond to the following indications which should be given.

**EVS-EN 140203:2002**
Hind 101,00
Identne EN 140203:1996
**Blank detail specification: Fixed power resistors (Assessment level H)**
The numbers between square brackets on the first page correspond to the following indications which should be given.

**EVS-EN 140210:2002**
Hind 199,00
Identne EN 140210:1994+corr:1994
**Sectional specification: Fixed power resistors - Capability approval**

This specification applies to foxed power resistors with related dissipation not less than 2 W, primarily intended for applications in electronic equipment. These resistors may be either manufactured to customers' requirements or manufacturers' standard catalogue items.

**EVS-EN 140211:2002**
Hind 117,00
Identne EN 140211:1994
**Blank detail specification: Fixed power resistors - Capability approval**
The numbers between square brackets correspond to the following indications, all of which should be given in a manufacturer's detail specification for standard catalogue items; only those indicated by an asterisk (*) are required in a detail specification not intended for registration.

**EVS-EN 140400:2002**
Hind 130,00
Identne EN 140400:1996+A1:2001
**Sectional specification: Fixed low power surface mounting (SMD) resistors**
This sectional specification prescribes the preferred values for characteristics and ratings and also the inspection requirements for fixed surface resistors of assessed quality. These resistors generally have metallised connecting pads and are intended to be mounted directly on to substrates, for example hybrid integrated circuits or printed boards. It selects from the generic specification, EN 140 000, the appropriate methods of test to be used in detail specifications derived from this specification.

**EVS-EN 140401:2002**
Hind 126,00
Identne EN 140401:2002
**Blank Detail Specification - Fixed low power non wire-wound surface mount (SMD) resistors**
A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and layout and minimum content of detail specifications. Detail specifications not complying with these requirements shall not be considered as being in accordance with European standards nor shall they be so described.

**EVS-EN 140402:2002**
Hind 92,00
Identne EN 140402:1998
**Blank Detail Specification: Fixed low power wire wound surface mounting (SMD) resistors**
The first page of the Detail Specification should have the layout recommended on page 3. The numbers in square brackets correspond to the indications to be completed hereunder.

**EVS-EN 60115-1:2002**
Hind 272,00
Identne IEC 60115-1:1999+ A1:2001
ja identne EN 60115-1:2001+ A1:2001
**Fixed resistors for use in electronic equipment - Part 1: Generic specification**
This standard is applicable to fixed resistors for use in electronic equipment. It establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications of electronic components for quality assessment or any other purpose.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55217
Tähtaeg: 2003-02-01
Identne EN 140401-801:2002
**Detail Specification: Fixed low power non wire-wound surface mount (SMD) resistors - Rectangular - Stability classes 0,1; 0,25; 0,5; 1**
This specification fulfils the requirements of the zero effect approach. The new assessment level EZ is introduced to align the assessment procedures and levels with current industry practices
prEVS 55220
Tähtaeg: 2003-02-01
Identne EN 140401-802:2002
**Detail specification: Fixed low power non wire-wound surface mount (SMD) resistors - Rectangular - Stability classes 1; 2**
Fixed low power non wire-wound chip resistors with retangular base without leads for surface mounting. Style: RR. Electronic components of assessed quality in accordance with EN 60115:2002; EN 140400:200X; EN 140401:2002
prEVS 55223
Tähtaeg: 2003-02-01
Identne EN 140401-803:2002
**Detail specification: Fixed low power non wire-wound surface mount (SMD) resistors - Cylindrical - Stability classes 0,05; 0,1; 0,25; 0,5; 1; 2**
Fixed low power non wire-wound surface mount resistors (SMD) cylindrical style: RC. Electronic components of assessed quality in accordance with EN 60115:201; EN 140400:200X; EN 140401:2002

## 31.040.30 Termistorid

Thermistors

## UUED STANDARDID

**EVS-EN 60738-1:2002**
Hind 212,00
Identne IEC 60738-1:1998
ja identne EN 60738-1:1999
**Thermistors - directly heated positive step-function temperature coefficient. Part 1: Generic specification**
This standard prescribes terms and methods of test for positive step-function temperature coefficient thermistors, insulated and non-insulated types, typically made from ferro-electric semi-conductor materials.

**EVS-EN 60738-1-1:2002**
Hind 101,00
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.

**EVS-EN 60738-1-2:2002**
Hind 101,00
Identne IEC 60738-1-2:1998
ja identne EN 60738-1-2:1999
**Thermistors - Directly heated positive step-function temperature coefficient - Part 1-2: Blank detail specification - Heating element application - Assessment level EZ**
Supplementary document to the generic specification, contains requirements for style and layout and minimum content of detail specifications.

**EVS-EN 60738-1-3:2002**
Hind 92,00
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.

**EVS-EN 60738-1-4:2002**
Hind 101,00
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.

## 31.060 Kondensaatorid

### Capacitors

### UUED STANDARDID

**EVS-EN 60384-1:2002**
Hind 316,00
Identne IEC 60384-1:1999
ja identne EN 60384-1:2001
**Fixed capacitors for use in electronic equipment - Part 1: Generic specification**
This standard is applicable to fixed capacitors for use in electronic equipment. It establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications of electronic components for Quality Assessment or any other purpose.

## 31.060.00 Kondensaatorid

### Capacitors. General

### UUED STANDARDID

**EVS-EN 60062:2002**
Hind 190,00
Identne IEC 60062:1992 + A1:1995
ja identne EN 60062:1993 + A1:1997+A11:2001
**Marking codes for resistors and capacitors**
Specifies a colour code of 12 colours for values and tolerances of fixed resistors and a letter and digit code for resistance and capacitance values and tolerances.

## 31.060.01 Kondensaatorid üldiselt

### Capasitors in general

### UUED STANDARDID

**EVS-EN 132421:2002**
Hind 92,00
Identne EN 132421:1997
**Blank detail specification: Fixed capacitors for electromagnetic interference suppression - Capacitors for which safety tests are required (Safety tests only)**
This blank detail specification forms the basis for a uniform procedure for a common European Safety Mark. It implements the approval schedule for safety test in EN 132400, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the declared design.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55347
Tähtaeg: 2003-02-01
Identne IEC 871-2:1987
ja identne HD 525.2 S1:1989 + A1:1991
**Shunt capacitators for a.c. power systems having a rated voltage above 660 V - Part 2: Endurance testing**
Shunt capacitators for a.c. power systems having a rated voltage above 660 V. Endurance testing

## 31.060.10 Püsikondensaatorid

### Fixed capacitors

### UUED STANDARDID

**EVS-EN 132400:2002**
Hind 338,00
Identne EN 132400:1994+A2,A3,A4:2001
**Sectional Specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (Assessment level D)**
This specification applies to fixed capasitors and resistor-capasitor combinations for electromagnetic inteference suppression (formerly called radio inteference suppression) for use within, or associated with, electronic or electrical apparatus and machines where the capacitors will be connected to a mains supply with a voltage not exceeding 500 V d.c. or 500 V a.c. (r.m.s.) between conductors or 250 V d.c. or 250 V a.c. (r.m.s.) between any one conductor and earth and with a freguency not exceeding 100 Hz.

**EVS-EN 132401:2002**
Hind 101,00
Identne EN 132401:1994
**Blank detail specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (Assessment level D)**
A blank detail specification is a supplementary document to the sectional specification and contains requirements for style and layout and minimum content of detail specifications. In the preparation of detail specifications the content of 1.4 of the sectional specification shall be taken into account.

**EVS-EN 60384-20:2002**
Hind 212,00
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.

## 31.060.20 Keraamilised ja vilkkondensaatorid

Ceramics and mica capacitors

### UUED STANDARDID

**EVS-EN 132100:2002**
Hind 199,00
Identne EN 132100:1996
**Sectional Specification: Fixed multilayer ceramic surface mounting capacitors. Assessment levels EZ and DZ**
This specification applies to fixed unencapsulated multilayer surface mounting capacitors of ceramic dielectric Class 1 and Class2 with rated voltage normally not exceeding 200 V. These capacitors generally have terminations consisting of metallized connecting pads or solderable strips and are intended to be mounted directly onto substrates for hybrid circuits or onto printed boards.

**EVS-EN 132101:2002**
Hind 101,00
Identne EN 132101:1996
**Blandk Detail Specification: Fixed multilayer ceramic surface mounting capacitors - Assessment level EZ**
This specification applies to fixed unencapsulated multilayer surface mounting capacitors of ceramic dielectric Class 1 and Class 2 with rated voltage normally not exceeding 200 V. These capacitors generally have terminations consisting of metallized connecting pads or solderable strips and are intended to be mounted directly onto substrates for hybrid circuits or onto printed boards.
Detailspecification.

**EVS-EN 132102:2002**
Hind 101,00
Identne EN 132102:1996
**Blank detail specification: Fixed multilayer ceramic surface mounting capacitors - Assessment level DZ**
The numbers in square brackets correspond to the following information which shall be inserted at the position indicated.

**EVS-EN 60384-20-1:2002**
Hind 170,00
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.

## 31.060.30 Paber- ja polümeerkondensaatorid

Paper and plastics capacitors

### UUED STANDARDID

**EVS-EN 130100:2002**
Hind 170,00
Identne EN 130100:1997
**Sectional specification: Fixed polyethylene-terephtalate film dielectric metal foil capacitors for direct current**
This European Standard specifies requirements for fixed capacitors for direct current, with electrodes of thin metal foils and a polyethylene-terephthalate film dielectric.

**EVS-EN 130101:2002**
Hind 92,00
Identne EN 130101:1997
**Blank detail specification: Fixed polyethylene-terephtalate film dielectric metal foil capacitors for direct current; Assessment level E**
Blank detail specification.

**EVS-EN 130102:2002**
Hind 92,00
Identne EN 130102:1997
**Blank detail specification: Fixed polyethylene-terephtalate film dielectric metal foil capacitors for direct current; Assessment level EZ**
Blank detail specification.

**EVS-EN 130500:2002**
Hind 170,00
Identne EN 130500:1998
**Sectional Specification: Fixed metallized polycarbonate film dielectric capacitors for direct current**
This European Standard specifies requirements for fixed capacitors for direct current, with metallized electrodes and polycarbonate dielectric for use in electronic equipment. These capacitors may have "self-healing properties" depending on conditions of use. They are primarily intended for applications where the a.c. component is small with respect to the rated voltage. Two performance grades of capacitors are covered, grade 1 for long-life application and grade 2 for general application. It specifies preferred ratings and characteristics and selects from EN 130000 the appropriate quality assessment procedures, test and measuring methods and gives general performance requirements for this type of capacitor. Capacitors for direct connection to the supply mains to provide radio interference suppression are not included.

**EVS-EN 130501:2002**
Hind 109,00
Identne EN 130501:1998
**Blank Detail Specification: Fixed metallized polycarbonate film dielectric capacitors for direct current. Assessment level E**
Blank detail specification.

**EVS-EN 130502:2002**
Hind 109,00
Identne EN 130502:1998
**Blank Detail Specification: Fixed metallized polycarbonate film dielectric capacitors for direct current. Assessment level EZ**
Blank detail specification.

**EVS-EN 130900:2002**
Hind 170,00
Identne EN 130900:1997
**Sectional Specification: Fixed polystyrene film dielectric metal foil d.c. capacitors**
This European Standard specifies requirements for fixed capacitors for direct current, for rated voltages not exceeding 6300 V, with electrodes of thin metal foils and a polystyrene film dielectric. They are intended for use in electronic equipment.

**EVS-EN 130901:2002**
Hind 101,00
Identne EN 130901:1997
**Blank Detail Specification: Fixed polystyrene film dielectric metal foil d.c. capacitors - Assessment level E**
This European Standard specifies requirements for fixed capacitors for direct current, for rated voltages not exceeding 6300 V, with electrodes of thin metal foils and a polystyrene film dielectric. They are intended for use in electronic equipment.

**EVS-EN 130902:2002**
Hind 101,00
Identne EN 130902:1997

**Blank Detail Specification: Fixed polystyrene film dielectric metal foil d.c. capacitors - Assessment level EZ**
This European Standard specifies requirements for fixed capacitors for direct current, for rated voltages not exceeding 6300 V, with electrodes of thin metal foils and a polystyrene film dielectric. They are intended for use in electronic equipment.

**EVS-EN 131700:2002**
Hind 163,00
Identne EN 131700:1997
**Sectional Specification: Fixed capacitors for direct current with electrodes of thin metal foils and a polycarbonate film dielectric**
This European Standard specifies requirements for fixed capacitors for direct current with electrodes of thin metal foils and a polycarbonate film dielectric. It specifies preferred ratings and characteristics and selects from EN 130000 the appropriate quality assessment procedures, tests and measuring methods and gives general performance requirements for this type of capacitor.

**EVS-EN 131701:2002**
Hind 101,00
Identne EN 131701:1997
**Blank Detail Specification: Fixed capacitors for direct current with electrodes of thin metal foils and a polycarbonate film dielectric - Assessment level E**
This European Standard specifies requirements for fixed capacitors for direct current with electrodes of thin metal foils and a polycarbonate film dielectric. It specifies preferred ratings and characteristics and selects from EN 130000 the appropriate quality assessment procedures, tests and measuring methods and gives general performance requirements for this type of capacitor.

**EVS-EN 131702:2002**
Hind 92,00
Identne EN 131702:1997
**Blank Detail Specification: Fixed capacitors for direct current with electrodes of thin metal foils and a polycarbonate film dielectric - Assessment level EZ**
This European Standard specifies requirements for fixed capacitors for direct current with electrodes of thin metal foils and a polycarbonate film dielectric. It specifies preferred ratings and characteristics and selects from EN 130000 the appropriate quality assessment procedures, tests and measuring methods and gives general performance requirements for this type of capacitor.

**EVS-EN 131800:2002**
Hind 170,00
Identne EN 131800:1997
**Sectional Specification: Fixed polypropylene film dielectric metal foil d.c. capacitors**
This European Standard specifies requirements for fixed capacitors for direct current, using as dielectric a polypropylene film and electrodes of thin metal foils. The capacitors covered by this specification are intended for use in electronic equipment.

**EVS-EN 131801:2002**
Hind 101,00
Identne EN 131801:1997
**Blank Detail Specifikation: Fixed polypropylene film dielectric metal foil d.c. capacitors - Assessment level E**
This European Standard specifies requirements for fixed capacitors for direct current, using as dielectric a polypropylene film and electrodes of thin metal foils. The capacitors covered by this specification are intended for use in electronic equipment.

**EVS-EN 131802:2002**
Hind 101,00
Identne EN 131802:1997
**Blank Detail Specification: Fixed polypropylene film dielectric metal foil d.c. capacitors - Assessment level EZ**
This European Standard specifies requirements for fixed capacitors for direct current, using as dielectric a polypropylene film and electrodes of thin metal foils. The capacitors covered by this specification are intended for use in electronic equipment.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55211
Tähtaeg: 2003-02-01
Identne EN 131201:2002
**Blank Detail Specification: Fixed capacitors with metallized electrodes and polypropylene dielectric**
prEVS 55213
Tähtaeg: 2003-02-01
Identne EN 131200:2002
**Sectional Specification: Fixed capacitors with metallized electrodes and polypropylene dielectric**
This European standard specifies requirements for fixed capacitors with metallized electrodes and polypropylene dielectric. It specifies preferred ratings and characteristics and selects from EN 130 000 the appropriate quality assessment procedure, test and measuring methods and gives general performance requirements for this subfamily of capacitors

## 31.060.40 Elektrolüütilised tantaalkondensaatorid

Tantalum electrolytic capacitors

## UUED STANDARDID

**EVS-EN 130200:2002**
Hind 190,00
Identne EN 130200:1993+A3:1998
**Sectional Specification: Fixed tantalum capacitors with non-solid or solid electrolyte**
This specification applies to polar and bipolar tantalum electrolytic capacitors with solid or non-solid electrolyte. It comprises capacitors for long-life applications and capacitors for general-purpose applications. Capacitors for special purpose application may need additional requirements. Surface mounting styled capacitors are not covered.

**EVS-EN 130201:2002**
Hind 139,00
Identne EN 130201:1993+A2:1998
**Blank Detail Specification: Fixed Tantalum Capacitors with Solid Electrolyte, Porous Anode (SUB-FAMILY 3)**
The first page of the detail specification should have the layout recommended on page 4 of this blank detail specification. The numbers in square brackets correspond to the following information which shall be inserted at the position indicated.

**EVS-EN 130202:2002**
Hind 109,00

Identne EN 130202:1998
**Blank Detail Specifiation: Fixed tantalum capacitors with non-solid electrolyte, porous anode (sub-family 2)**
Blank detail specification.

**EVS-EN 130800:2002**
Hind 155,00
Identne EN 130800:2000
**Sectional Specification: Tantalum surface mounting capacitors**
This specification applies to tantalum solid electrolyte surface mounting capacitors. These capacitors are primarily intended to be mounted directly onto substrates for hybrid circuits or onto printed boards.

## 31.060.50 Elektrolüütilised alumiiniumkondensaatorid

Aluminium electrolytic capacitors

### UUED STANDARDID

**EVS-EN 130300:2002**
Hind 199,00
Identne EN 130300:1998
**Sectional Specification: Aluminium electrolytic capacitors with solid and non-solid electrolyte**
This specification applies to aluminium electrolytic capacitors with solid or non-solid electrolyte primarily intended for d.c. applications for use in electronic equipment. SMD capacitors are not covered. The object of this specification is to prescribe preferred ratings and characteristics and to select from the generic specification EN 130000 the appropriate quality assessment procedures, test and measuring methods and to give general performance requirements for this type of capacitor.

## 31.060.70 Jõukondensaatorid

Power capacitors

### UUED STANDARDID

**EVS-EN 60143-3:2002**
Hind 146,00
Identne IEC 60143-3:1998
ja identne EN 60143-3:1998
**Series capacitors for power systems - Part 3: Internal fuses**
This part of IEC 60143 concerns internal fuses designed to isolate faulty capacitor elements, to allow operation of the remaining parts of that capacitor unit and the bank in which the capacitor units is connected. Such fuses are not a substitute for a switching device such as a circuitbreaker, or for external protection of the capacitor bank, or any part thereof.

**EVS-EN 60871-1:2002**
Hind 272,00
Identne IEC 60871-1:1997
ja identne EN 60871-1:1997
**Shunt capacitors for a.c. power systems having a rated voltage above 1 kV - Part 1: General Performance, testing and rating - Safety requirements - Guide for installation and operation**
This part of IEC 60871 is applicable to both capacitor units and capacitor banks intended to be used, particularly, for power-factor correction of a.c. power systems having a rated voltage above 1 000 V and frequencies of 15 Hz to 60 Hz.

## 31.080 Pooljuhtseadised

Semi-conductor devices

### UUED STANDARDID

**EVS-EN 60191-4:2002**
Hind 199,00
Identne IEC 60191-4:1999+A1:2001
ja identne EN 60191-4:1999+A1:2002
**Mechanical standardization of semiconductor devices - Part 4: Coding system and classification into forms of package outlines for semiconductor device packages**
Describes a method for the designation and the classification into forms of package outlines for semiconductor devices. Provides a systematic method for generating universal descriptive designators for semiconductor packages.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55456
Tähtaeg: 2003-02-01
Identne IEC 60191-4:1999/A2:2002
ja identne EN 60191-4:1999/A2:2002
**Mechanical standardization of semiconductor devices - Part 4: Coding system and classification into forms of package outlines for semiconductor device packages**
Describes a method for the designation and the classification into forms of package outlines for semiconductor devices. Provides a systematic method for generating universal descriptive designators for semiconductor packages.

## 31.080.00 Pooljuhtseadised

Semi-conductor devices. General

### UUED STANDARDID

**EVS-EN 153000:2002**
Hind 190,00
Identne EN 153000:1998
**Generic specification: Discrete pressure contact power semiconductor devices (Qualification approval)**
This document applies to discrete pressure contact power semiconductor devices namely rectifier diodes, transistors and their derivatives. The requirements also cover encapsulated assemblies. The document does not apply to stact or assemblies made with these encapsulated components.

## 31.080.01 Pooljuhtseadised üldiselt

Semiconductor devices in general

### UUED STANDARDID

**EVS-EN 60749:2002**
Hind 360,00
Identne IEC 60749:1999+A1:2000+A2:2001
ja identne EN 60749:1999+A1:2000+A2:2001
**Specifies the safety and performance requirements of a range of single-capped fluorescent lamps which are operated on a.c. supplies.**
This International Standard lists test methods applicable to semiconductor devices (discrete devices and integrated circuits) from which a selection may be made. However, additional test methods may be required for non-cavity devices. This standard has taken into account, wherever

possible, IEC 68. The object of this standard is to establish uniform preferred test methods with preferred values for stress levels for judging the environmental properties of semiconductor devices.

**EVS-EN 60191-3:2002**
Hind 295,00
Identne IEC 60191-3:1999
ja identne EN 60191-3:1999
**Mechanical standardization of semiconductor devices - Part 3: General rules for the preparation of outline drawings of integrated circuits**
Gives guidance on the preparation of drawings of integrated circuits outlines.

**EVS-EN 60191-6-3:2002**
Hind 126,00
Identne IEC 60191-6-3:2000
ja identne EN 60191-6-3:2000
**Mechanical standardization of semiconductor devices - Part 6- 3: General rules for the preparation of outline drawings of surface mounted semiconductor device packages; Measuring methods for package dimensions of quad flat packs (QFP)**
Stipulates a method for quad flat packs measuring dimensions which are classified into Form E.

**EVS-EN 60191-6-6:2002**
Hind 109,00
Identne IEC 60191-6-6:2001
ja identne EN 60191-6-6:2001
**Mechanical standardization of semiconductor devices - Part 6-6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for fine pitch land grid array (FLGA)**
Provides common outline drawings and dimensions for all types of structures and composed materials of fine-pitch land grid whose terminal pitch is less than, or equal to, 0,80 mm and whose package body outline is square.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55099
Tähtaeg: 2003-02-01
Identne IEC 60191-6-12:2002
ja identne EN 60191-6-12:2002
**Mechanical standardization of semiconductor devices - Part 6-12: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for fine-pitch land grid array (FLGA) - Rectangular type**
Provides common outline drawings and dimensions for all types of structures and composed materials of fine-pitch land grid array whose terminal pitch is less than, or equal to, 0,80 mm and whose package body outline is rectangular.
prEVS 55122
Tähtaeg: 2003-02-01
Identne IEC 60749-10:2002
ja identne EN 60749-10:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 10: Mechanical shock**
Describes a shock test intended to determine the suitability of component parts for use in electronic equipment which may be subjected to moderately severe shocks as a result of suddenly applied forces or abrupt changes in motion produced by rough handling, transportation, or field operation. Shock of this type may disturb operating characteristics, particularly if the shock pulses are repetitive. This is a destructive test. It is normally applicable to cavity-type packages.
prEVS 55123
Tähtaeg: 2003-02-01
Identne IEC 60749-11:2002
ja identne EN 60749-11:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 11: Rapid change of temperature - Two-fluid-bath method**
Defines the rapid change of temperature test method and the two-fluid-bath method. This test method may also be used, employing fewer cycles, to test the effect of immersion in heated liquids that are used for the purpose of cleaning devices. This test is applicable to all semiconductor devices. It is considered destructive unless otherwise detailed in the relevant specification.
prEVS 55125
Tähtaeg: 2003-02-01
Identne IEC 60749-12:2002
ja identne EN 60749-12:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 12: Vibration, variable frequency**
Describes a test to determine the effect of variable frequency vibration, within the specified frequency range, on internal structural elements. This is a destructive test. It is normally applicable to cavity-type packages.
prEVS 55126
Tähtaeg: 2003-02-01
Identne IEC 60749-13:2002
ja identne EN 60749-13:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 13: Salt atmosphere**
Describes a salt atmosphere test that determines the resistance of semiconductor devices to corrosion. It is an accelerated test that simulates the effects of severe sea-coast atmosphere on all exposed surfaces. It is only applicable to those devices specified for a marine environment. The salt atmosphere test is considered destructive.
prEVS 55127
Tähtaeg: 2003-02-01
Identne IEC 60749-2:2002
ja identne EN 60749-2:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 2: Low air pressure**
Covers the testing of low air pressure on semiconductor devices. The test is intended primarily to determine the ability of component parts and materials to avoid voltage breakdown failures due to the reduced dielectric strength of air and other insulating materials at reduced pressures is only applicable to devices where the operating voltage exceeds 1 000 V. This test is applicable to all semiconductor devices provided they are in cavity type packages. The test is intended for military and space-related applications only.
prEVS 55128
Tähtaeg: 2003-02-01
Identne IEC 60749-3:2002
ja identne EN 60749-3:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 3: External visual inspection**

Aims at verifying that the materials, design, construction, markings, and workmanship of a semiconductor device are in accordance with the applicable procurement document. External visual inspection is a non-destructive test and applicable for all package types.
prEVS 55129
Tähtaeg: 2003-02-01
Identne IEC 60749-4:2002
ja identne EN 60749-4:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 4: Damp heat, steady state, highly accelerated stress test (HAST)**
Provides a highly accelerated temperature and humidity stress test (HAST) for the purpose of evaluating the reliability of non-hermetic packaged semiconductor devices in humid environments.
prEVS 55130
Tähtaeg: 2003-02-01
Identne IEC 60749-6:2002
ja identne EN 60749-6:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 6: Storage at high temperature**
Aims at testing and determining the effect on all semiconductor electronic devices of storage at elevated temperature without electrical stress applied. This test is considered non-destructive.
prEVS 55131
Tähtaeg: 2003-02-01
Identne IEC 60749-7:2002
ja identne EN 60749-7:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 7: Internal moisture content measurement and the analysis of other residual gases**
Aims at testing and measuring the water vapour and other gas content of the atmosphere inside a metal or ceramic hermetically sealed device. Applicable to semiconductor devices sealed in such a manner but generally only used for high reliability applications such as military or aerospace.
prEVS 55132
Tähtaeg: 2003-02-01
Identne IEC 60749-9:2002
ja identne EN 60749-9:2002
**Semiconductor devices - Mechanical and climatic test methods - Part 9: Permanence of marking**
Aims at testing and verifying that the markings on semiconductor devices will not become illegible when subject to solvents or cleaning solutions commonly used during the removal of solder flux residue from the printed circuit board assembly process. This test is applicable for all package types. The test should be considered non-destructive.
prEVS 55272
Tähtaeg: 2003-02-01
Identne IEC 60191-6-1:2001
ja identne EN 60191-6-1:2001
**Mechanical standardization of semiconductor devices - Part 6-1: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for gull-wing lead terminals**
Covers the requirements for the design rule of terminal shape plastic packages with gull-wing leads (e.g. QFP, SOP, SSOP, TSOP, etc.)

## 31.080.99
## Muud pooljuhtseadised

Other semiconductor devices

### UUED STANDARDID

**EVS-EN 60146-2:2002**
Hind 272,00
Identne IEC 60146-2:1999
ja identne EN 60146-2:2000
**Semiconductor converters - Part 2: Self-commutated semiconductor converters including direct d.c. converters**
This standard applies to all types of electronic power converters of the self-commutated type including power converters which contain at least one part of a self-commutated type, e.g. AC converters, indirect DC converters, direct DC converters.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55105
Tähtaeg: 2003-02-01
Identne IEC 60747-16-3:2002
ja identne EN 60747-16-3:2002
**Semiconductor devices - Part 16-3: Microwave integrated circuits - Frequency converters**
Provides new measuring methods, terminology and letter symbols, as well as essential ratings and characteristics for integrated circuit microwave frequency converters.

## 31.100
## Elektronlambid

Electronic tubes

### UUED STANDARDID

**EVS-EN 60139:2002**
Hind 170,00
Identne IEC 60139:2000
ja identne EN 60139:2001
**Preparation of outline drawings for cathode-ray tubes, their components, connections and gauges**
Gives guidance on the preparation of outline drawings of cathode ray tubes with the object of encouraging the same practice when publications are prepared in different countries.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55203
Tähtaeg: 2003-02-01
Identne EN 135000:1992
**Generic Specification: travelling wave amplifier tubes**
Generic Specification: Travelling wave amplifier tubes
prEVS 55204
Tähtaeg: 2003-02-01
Identne EN 135001:1992
**Blank Detail specification: C.W. power amplifier travelling wave tubes up to 500 Watts**
Blank Detail Specification: C.W. power amplifier trawelling wave tubes up to 500 Watts
prEVS 55205
Tähtaeg: 2003-02-01
Identne EN 136000:1992
**Generic Specifications: Magnetrons**
This document relates to pulsed and cw magnetrons
prEVS 55206
Tähtaeg: 2003-02-01
Identne EN 136001:1992
**Blank Detailed Specification: Pulsed magnetrons (excluding frequency agile magnetrons)**
This blank detail specification shows the layout and contents to be followed in the preparation of harmonised detail specification for pulsed magnetrons, including coaxial types, tunable and adjustible types but excluding frequency agile types
prEVS 55207
Tähtaeg: 2003-02-01
Identne EN 136002:1992
**Blank Detail Specification: C.W. magnetrons for RF heating or cooking applications**

This blank detail specification shows the layout and contents to be followed in the preparation of harmonised detail specifications for CW magnetrons for RF heating or cooking applications

## 31.120 Elektronnäidikud

Electronic display devices

### UUED STANDARDID

**EVS-EN 61747-1:2002**
Hind 229,00
Identne IEC 61747-1:1998
ja identne EN 61747-1:1999
**Liquid crystal and solid-state display devices - Part 1: Generic specification**
This essential ratings and characteristics apply to passive matrix monochrome liquid crystal display modules.

**EVS-EN 61747-2:2002**
Hind 163,00
Identne IEC 61747-2:1998
ja identne EN 61747-2:1999
**Liquid crystal and solid-state display devices - Part 2: Liquid crystal display modules - Sectional specification**
Applies to liquid crystal and solid-state display modules such as the following: - static/segment type liquid crystal display modules; - passive matrix monochrome and colour liquid crystal display modules; - active matrix monochrome and colour liquid crystal display modules. Gives details of the quality assessment procedures, the inspection requirements, screening sequences, sampling requirements, and test and measurement procedures required for the assessment of liquid crystal display modules.

**EVS-EN 61747-3:2002**
Hind 109,00
Identne IEC 61747-3:1998
ja identne EN 61747-3:1999
**Liquid crystal and solid-state display devices - Part 3: Sectional specification for liquid crystal display (LCD) cells**
Applies to liquid crystal cells of the segment type monochrome liquid crystal display cells. It gives details of the quality assessment procedures, the inspection requirements, screening sequences, sampling requirements and test and measurement procedures required for the assessment of liquid crystal display cells. Instead of the qualification approval procedure, it is allowed to apply the capability approval procedure.

**EVS-EN 61747-4:2002**
Hind 126,00
Identne IEC 61747-4:1998
ja identne EN 61747-4:1998
**Liquid crystal and solid-state display devices - Part 4: Liquid crystal display modules and cells - Essential ratings and characteristics**
Describes the essential ratings and characteristics of LCD cells and passive matrix monochrome liquid crystal display modules. It does not apply to active matrix LCD cells nor to multicolour cells.

**EVS-EN 61747-5:2002**
Hind 247,00
Identne IEC 61747-5:1998
ja identne EN 61747-5:1998
**Liquid crystal and solid-state display devices - Part 5: Environmental, endurance and mechanical test methods**
Lists test methods applicable to liquid crystal display devices. Takes into account, wherever possible, the environmental test methods outlined in IEC 60068. Also includes visual inspection for both liquid crystal display cells and modules. Establishes uniform preferred test methods with preferred values for stress levels for judging the environmental properties of liquid crystal display devices.

**EVS-EN 61747-2-1:2002**
Hind 130,00
Identne IEC 61747-2-1:1998
ja identne EN 61747-2-1:2001
**Liquid crystal and solid-state display devices - Part 2-1: Passive matrix monochrome LCD modules; Blank detail specification**
The IEC quality assessment system for electronic components is operated in accordance with the statutes of the IEC and under the authority of the IEC. The object of this system is to define quality assessment procedures in such a manner that electronic components released by one participating country as conforming with the requirements of an applicable specification are equally acceptable in all other participating countries without the need for further testing.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55313
Tähtaeg: 2003-02-01
Identne IEC 169-1:1965
ja identne HD 134.1 S1:1977
**Radio-frequency connectors - Part 1: General requirements and measuring methods**
Radio-frequency connectors. General requirements and measuring methods

## 31.140 Piesoelektrilised seadised

Piezoelectric and dielectric devices

### UUED STANDARDID

**EVS-EN 61240:2002**
Hind 130,00
Identne IEC 61240:1994
ja identne EN 61240:1997
**Piezoelectric devices - Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection - General rules**
This International Standard sets out general rules for drawing all dimensional and geometrical charateristics of a surface-mounted piezoelectric package (referred to in this standard as SMD) in order to ensure mechanical interchangeability of all outline drawings of the SMDs for frequency control and selection.

**EVS-EN 168100:2002**
Hind 170,00
Identne EN 168100:1993+ A1,A2:1993
**Sectional specification: quartz crystal units (capability approval) (includes amendments A1 and A2:1993)**
This sectional specification applies to quartz crystal units manufactured as custom built products or as standard catalogue items and whose quality is assessed on the basis of capability approval.

**EVS-EN 170000:2002**
Hind 170,00
Identne EN 170000:1999
**Generic specification: Waveguide type dielectric resonators**
This generic specifcation 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.

**EVS-EN 170100:2002**
Hind 126,00
Identne EN 170100:2001
**Sectional specification: Waveguide type dielectric resonators**
This sectional specification applies to waveguide type dielectric resonators as custom built products or as standard catalogue items whose quality is assessed on the basis of capability approval.

**EVS-EN 171000:2002**
Hind 139,00
Identne EN 171000:2001
**Generic specification: Filters using waveguide type dielectric resonators**
This Generic Specification applies to filters using 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 filters.

**EVS-EN 60368-1:2002**
Hind 247,00
Identne IEC 60368-1:2000
ja identne EN 60368-1:2000
**Piezoelectric filters of assessed quality - Part 1: Generic specification**
This part of IEC 60368 specifies the methods of test and general requirements for piezoelectric filters of assessed quality using either capability approval or qualification approval procedures.

**EVS-EN 60368-4:2002**
Hind 212,00
Identne IEC 60368-4:2000
ja identne EN 60368-4:2000
**Piezoelectric filters of assessed quality - part 4: Sectional specification - Capability approval**
This sectional specifcation applies to Piezoelectric filters as custom built products or as standard catalogue items and whose quality is assessed on the basis of capability approval. It prescribes the preferred ratings and characteristics with appropirate tests and measuring methods contained in the future generic specification, IEC 60368-1, and gives the general performance requirements to be used in detail specifcations for piezoelectric filters.

**EVS-EN 60444-1:2002**
Hind 229,00
Identne IEC 60444-1:1986+ A1:1999
ja identne EN 60444-1:1997+ A1:1999
**Measurement of quartz crystal unit parameters by zero pha se 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 10-6 with a reproducibility of 10-6 to 10-8 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.

**EVS-EN 60444-2:2002**
Hind 130,00
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.

**EVS-EN 60444-5:2002**
Hind 283,00
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.

**EVS-EN 60444-6:2002**
Hind 179,00
Identne IEC 60444-6:1995
ja identne EN 60444-6:1997
**Measurement of quartz crystal unit parameters - part 6: Measurement of drive level dependence (DLD)**
This part of IEC 444 applies to the measurements of drive level dependence (DLD) of quartz crystal units. Two test methods are described. Method A, based on the pi-network method according to IEC 444-1, can be used in the complete frequency range covered by this part of IEC 444. Method B, an oscillator method, is suitable for measurements of fundamental mode crystal units in larger quantities with fixed conditions.

**EVS-EN 60679-1:2002**
Hind 338,00
Identne IEC 60679-1:1997+A1:2002
ja identne EN 60679-1:1998+A1:2002
**Quartz crystal controlled oscillators of assessed quality - Part 1: Generic specification**
This standard applies to quartz crystal controlled oscillators intended for use in electronic applications and which are commercially available as separate and independent units. It should be used in conjunction with IEC Publication 68: Basic Environmental Testing Procedures.

**EVS-EN 60679-4:2002**
Hind 229,00

Identne IEC 60679-4:1997
ja identne EN 60679-4:1998
**Quartz crystal controlled oscillators of assessed quality - Part 4: Sectional specification - Capability approval**
This sectional specification applies to quartz crystal controlled oscillators as custom built products or as standard catalogue items and whose quality is assessed on the basis of capability approval.

**EVS-EN 60679-5:2002**
Hind 170,00
Identne IEC 60679-5:1998
ja identne EN 60679-5:1998
**Quartz crystal controlled oscillators of assessed quality - Part 5: Sectional specification - Qualification approval**
This sectional specification applies to quartz crystal controlled oscillators whose quality is assessed on the basis of capability approval. It prescribes the preferred ratings and characteristics with appropriate tests and measuring methods contained in the generic specifcation IEC 60679-1, and gives the general performance requirements to be used in detail specifications for quartz crystal controlled oscillators.

**EVS-EN 61019-2:2002**
Hind 229,00
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.

**EVS-EN 60368-2-2:2002**
Hind 199,00
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 availa ble as separate and independent units. Draws attention to some funda mental questions which should be considered by the user before he places an order for a new filter.

**EVS-EN 60368-4-1:2002**
Hind 139,00
Identne IEC 60368-4-1:2000
ja identne EN 60368-4-1:2000
**Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, thei rated 'voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.**
Is a supplementary document to the sectional specification and contains requirements for the minimum content of detail specifications.

**EVS-EN 60679-4-1:2002**
Hind 146,00
Identne IEC 60679-4-1:1998
ja identne EN 60679-4-1:1998
**Quartz crystal controlled oscillators of assessed quality - Part 4- 1: Blank detail specification - Capability approval**
This sectional specification applies to quartz crystal controlled oscillators as custom built products or as standard catalogue items and whose quality is assessed on the basis of capability approval.

**EVS-EN 60679-5-1:2002**
Hind 130,00
Identne IEC 60679-5-1:1998
ja identne EN 60679-5-1:1998
**Quartz crystal controlled oscillators of assessed quality - Part 5- 1: Blank detail specification - Qualification approval**
This sectional specification applies to quartz crystal controlled oscillators whose quality is assessed on the basis of capability approval. It prescribes the preferred ratings and characteristics with appropriate tests and measuring methods contained in the generic specifcation IEC 60679-1, and gives the general performance requirements to be used in detail specifications for quartz crystal controlled oscillators.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55109
Tähtaeg: 2003-02-01
Identne IEC 60862-2:2002
ja identne EN 60862-2:2002
**Surface acoustic wave (SAW) filters of assessed quality - Part 2: Guidance on use**
Draws attention to some fundamental questions, which should be considered by the user before he places an order for a SAW filter for a new application. Such a procedure will be the user's insurance against unsatisfactory performance. Covers various kinds of filter configurations with operating frequency ranges from 10 MHz to 3 GHz
prEVS 55274
Tähtaeg: 2003-02-01
Identne EN 170101:2001
**Blank detail Specification: Waveguide type dielectric resonators - Capability approval**
This is a blank detail specification. It is a supplementary document to the sectional specification and contain requirements for the minimum content of detailed specification

## 31.160 Elektrifiltrid

Electric filters

## UUED STANDARDID

**EVS-EN 133000:2002**
Hind 170,00
Identne EN 133000:1997
**Generic Specification: Passive filter units for electromagnetic interference suppression**
This standard relates to passive filter units for electomagnetic interference suppression for use within, or associated with, electronic or electrical equipment and machines. Both sigle- and multi-channel filters within one enclosure are included within the scope of this specification.

**EVS-EN 133100:2002**
Hind 179,00
Identne EN 133100:1998
**Sectional Specification: Passive filter units for electromagnetic interference suppression. Filter for which safety tests are note required**
This specification applies to passive filter units for electromagnetic interference suppression which fall within the scope of the Generic Specification, EN 133000.The scope of this specification is restricted to passive filter units for which safety tests are not appropriate. This implies that filters specified according to

this specification will not be connected to mains supplies that such tests are required.

**EVS-EN 133101:2002**
Hind 101,00
Identne EN 133101:1998
**Blank Detail Specification: Passive filter units for electromagnetic interference suppression. Filters for which safety test are not required**
Blank detail specification.

**EVS-EN 133200:2002**
Hind 179,00
Identne EN 133200:1999
**Sectional Specification: Passive filter units for electromagnetic interference suppression (Filters for which safety tests are required)**
This specification applies to passive filter units for electromagnetic interference suppression which fall within the scope of the Generic Specification EN 133 000. The scope of this specification is restricted to passive filter units for which safety tests are appropriate. This implies that filters specified according to this specification will either be connected to mains supplies, when compliance with the mandatory tests of Table 2 is necessary, or used in other circuit positions where the equipment specification prescribes that some or all of these safety tests are required.

**EVS-EN 133201:2002**
Hind 109,00
Identne EN 133201:1998
**Blank Detail Specification: Passive filter units for electromagnetic interference suppression. Filters for which safety tests are required**
The numbes in square brackets correspond to the following indications which should be given.

**EVS-EN 133221:2002**
Hind 101,00
Identne EN 133221:1998
**Blank Detail Specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required (safety tests only)**
This blank detail specification forms the basis for a uniform procedure for a common European Safety Mark. It implements the approval schedule for safety test in EN 133200, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the declared design.

**EVS-EN 166100:2002**
Hind 155,00
Identne EN 166100:1998
**Sectional Specification: Surface acoustic wave (SAW) filters**
This sectional specification applies to surface acoustic wave (SAW) filters as custom built products or as standard catalogue items whose quality is assessed on the basis of capability approval. It prescribes the preferred ratings and characteristics, with the appropriate tests and measuring methods contained in the generic specification EN 166 000, and gives the general performance requirements to be used in detail specifications for surface acoustic wave (SAW) filters.

**EVS-EN 166101:2002**
Hind 75,00
Identne EN 166101:1999
**Blank detail specification: Surface acoustic wave (SAW) filters - Capability approval**
A blank detail specification is a supplementary document to the sectional specification and contains requirements for the minimum content of detail specification.

**EVS-EN 171000:2002**
Hind 139,00
Identne EN 171000:2001
**Generic specification: Filters using waveguide type dielectric resonators**
This Generic Specification applies to filters using 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 filters.

**EVS-EN 60368-1:2002**
Hind 247,00
Identne IEC 60368-1:2000
ja identne EN 60368-1:2000
**Piezoelectric filters of assessed quality - Part 1: Generic specification**
This part of IEC 60368 specifies the methods of test and general requirements for piezoelectric filters of assessed quality using either capability approval or qualification approval procedures.

**EVS-EN 50065-4-1:2002**
Hind 117,00
Identne EN 50065-4-1:2001
**Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148, 5 kHz - Part 4-1: Low voltage decoupling filters; Generic specification**
This standard applies to decoupling filters installed on the low voltage mains network and operating in the frequency range 3 kHz to 148,5 kHz on low voltage mains network.

**EVS-EN 50065-4-2:2002**
Hind 163,00
Identne EN 50065-4-2:2001
**Signalling on low voltage electrical installations in the frequency range 3 kHz to 148, 5 kHz - Part 4-2: Low-voltage decoupling filters; Safety requirements**
This product safety standard applies to electrical equipment, such as decoupling filters and phase couplers in a mains communication system for a phase to neutral voltage not exceeding AC 250 V and a nominal current not exceeding 125 A, intended for household and similar fixed-electrical installations including residential, commercial and light industrial buildings

**EVS-EN 60368-2-2:2002**
Hind 199,00
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 availa ble as separate and independent units. Draws attention to some funda mental questions which should be considered by the user before he places an order for a new filter.

**EVS-EN 60368-4-1:2002**
Hind 139,00
Identne IEC 60368-4-1:2000
ja identne EN 60368-4-1:2000
**Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, thei rated ´voltage is not more than 250 V**

**for single-phase appliances and 480 V for other appliances.**
Is a supplementary document to the sectional specification and contains requirements for the minimum content of detail specifications.

## 31.180
## Trükklülitused ja -plaadid

Printed circuits and boards

## UUED STANDARDID

**EVS-EN 60097:2002**
Hind 130,00
Identne IEC 60097:1991
ja identne EN 60097:1993
**Grid system for printed circuits**
Relates to grid systems for printed circuits to ensure compatibility between the printed circuits and parts to be mounted on them at the intersections of the grid.

**EVS-EN 123600:2002**
Hind 199,00
Identne EN 123600:1996
**Sectional Specification: Flex-rigid multilayer printed boards with through connections**
This document is a Sectioonal Specification relating to flex-rigid multilayer printed boards with through connections irrespective of their method of manufacture, when they are ready for the mounting of the components. It defines the characteristics to be assessed and the test methods to be used for capability approval testing and for quality conformance inspection (lot-by-lot and periodic inspection).

**EVS-EN 123700:2002**
Hind 179,00
Identne EN 123700:1996
**Sectional Specification: Flex-rigid double sided printed boards with through connections**
This document is a Sectioonal Specification relating to flex-rigid double sided printed boards with through connections irrespective of their method of manufacture, when they are ready for the mounting of the components. It defines the characteristics to be assessed and the test methods to be used for capability approval testing and for quality conformance inspection (lot-by-lot and periodic inspection).

**EVS-EN 123800:2002**
Hind 199,00
Identne EN 123800:1996
**Sectional Specification: Flexible multilayer printed boards with through connections**
This document is a Sectional Specification relating to flexible multilayer printed boards with through connections irrespective of their method of manufacture, when they are ready for the mounting of the components. It defines the characteristics to be assessed and the test methods to be used for capability approval testing and for quality conformance inspection (lot-by-lot and periodic inspection).

**EVS-EN 160100:2002**
Hind 229,00
Identne EN 160100:1997
**Sectional specification: Capability approval of manufacturers of printed board assemblies of assessed quality**
This document is a sectional specification relating to printed board assemblies of assessed quality which meet the criteria for a modular electtronic unit as defined in the generic specification EN 160 000. It applies to both custom built products and to standard catalogue items and defines the characteristics to be assessed and the test methods to be used for capability approval, for quality conformance inspection (lot-by-lot) and maintenance of approval.

**EVS-EN 60249-1:2002**
Hind 306,00
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.

**EVS-EN 61189-1:2002**
Hind 247,00
Identne IEC 61189-1:1997+ A1:2001
ja identne EN 61189-1:1997+ A1:2001
**Test methods for electrical materials, interconnection structures and assemblies - Part 1: General test methods and methodology**
This series relates to test methods for printed boards and printed board assemblies, as well as related materials or component robustness, irrespective of their method of manufacture. This part contains test methods for evaluating printed boards and other forms of interconnection structures. The methods are designed to achieve uniformity and reproducibility in the procedures and test methodologies.

**EVS-EN 61189-2:2002**
Hind 338,00
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.

**EVS-EN 61189-3:2002**
Hind 306,00
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.

**EVS-EN 60249-2-1:2002**
Hind 170,00
Identne IEC 60249-2-1:1985+ A4:2000
ja identne EN 60249-2-1:1994+ A4:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 1: Phenolic cellulose paper copper-clad laminated sheet, high electrical quality**

Gives requirements for properties of phenolic cellulose paper copper-clad laminated sheet, high electrical quality, in thicknesses of 0.5 mm up to 6.4 mm. The sheet consists of an insulating base phenolic resin bonded cellulose paper laminate with metal foil bonded to one or both side. This publication supersedes IEC 249-2 (1970), 249-2A (1971) and 249-2B (1973).

**EVS-EN 60249-2-2:2002**
Hind 179,00
Identne IEC 60249-2-2:1985+ A5:2000
ja identne EN 60249-2-2:1994+ A5:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 2: Phenolic cellulose paper copper-clad laminated sheet, economic quality**
Gives requirements for properties of phenolic cellulose paper copper-clad laminated sheet, of defined flammability and high electrical quality, in thicknesses of 0.5 mm up to 6.4 mm. The sheet consists of an insulating base (phenolic resin bonded cellulose paper laminate) with metal foil bonded to one or both sides. This publication supersedes IEC 249-2 (1970) and 249-2A (1971).

**EVS-EN 60249-2-3:2002**
Hind 199,00
Identne IEC 60249-2-3:1987+ A4:2000
ja identne EN 60249-2-3:1994+ A4:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 3: Epoxide cellulose paper copper-clad laminated sheet of defined flammability (vertical burning test)**
Gives requirements for properties of epoxide cellulose paper copper-clad laminated sheet, of defined flammability, in thickness of 0.5 mm up to 6.4 mm. The sheet consists of an insulating base (epoxide resin bonded cellulose paper laminate) with metal foil bonded to one or both sides. This publication supersedes IEC 249-2 (1970), 249-2A (1971) and 49-2B (1973) and 249-2D (1975).

**EVS-EN 60249-2-4:2002**
Hind 199,00
Identne IEC 60249-2-4:1987+A5:2000
ja identne EN 60249-2-4:1994+A5:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 4: Epoxide woven glass fabric copper-clad laminated sheet, general purpose grade**
Gives requirements for properties of epoxide woven glass fabric copper-clad laminated sheet, general purpose grade, in thicknesses of 0.5 mm up to 6.4 mm. The sheet consists of an insulating base (epoxide resin bonded woven glass fabric laminate) with metal foil bonded to one or both sides. This publication supersedes IEC 249-2 (1970), 249-2A (1971) and 249-2B (1973) and 249-2D (1975).

**EVS-EN 60249-2-5:2002**
Hind 229,00
Identne IEC 60249-2-5:1987+ A2, 3, 5:2000
ja identne EN 60249-2-5:1994+ A3, 5:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 5: Epoxide woven glass fabric copper-clad laminated sheet of defined flammability (vertical burning test)**
Gives requirements for properties of epoxide woven glass fabric copper-clad laminated sheet, of defined flammability, in thicknesses of 0.5 mm up to 6.4 mm. The sheet consists of an insulating base (epoxide resin bonded woven glass fabric laminate) with metal foil bonded to one or both sides. This publication supersedes IEC 249-2 (1970), 249-2A (1971), 249-2B (1973) and 249-2D (1975).

**EVS-EN 60249-2-6:2002**
Hind 212,00
Identne IEC 60249-2-6:1985+ A1, 2, 4:2000
ja identne EN 60249-2-6:1994+ A2, 4:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 6: Phenolic cellulose paper copper-clad laminated sheet of defined flammability (horizontal burning test)**
Gives requirements for properties of phenolic cellulose paper copper-clad, laminated sheet, economic quality, in thicknesses of 0.5 mm up to 6.4 mm. The sheet consists of an insulating base (phenolic resin bonded cellulose paper laminate) with metal foil bonded to one or both sides.

**EVS-EN 60249-2-7:2002**
Hind 212,00
Identne IEC 60249-2-7:1987+ A1, 2, 4:2000
ja identne EN 60249-2-7:1994+ A2, 4:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 7: Phenolic cellulose paper copper-clad laminated sheet of defined flammability (vertical burning test)**
Gives requirements for properties of phenolic cellulose paper copper-clad laminated sheet, of defined flammability, in thicknesses of 0.5 mm up to 3.2 mm. The sheet consists of an insulating base (phenolic resin bonded cellulose paper laminate) with metal foil bonded to one or both sides.

**EVS-EN 60249-2-9:2002**
Hind 199,00
Identne IEC 60249-2-9:1987+ A5:2000
ja identne EN 60249-2-9:1994+ A5:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 9: Epoxide cellulose paper core, epoxide glass cloth surfaces copper-clad laminated sheet of defined flammability (vertical burning test)**
Gives requirements for properties of epoxide cellulose paper core, epoxide glass cloth surface copper-clad laminated sheet, of defined flammability, in thicknesses of 0.7 mm up to 6.4 mm. The sheet consists of an insuluating base (epoxide resin bonded composite laminate consisting of a cellulose paper core and glass cloth surface layers) with metal foil bonded to one or both sides.

**EVS-EN 61188-1-1:2002**
Hind 146,00
Identne IEC 61188-1-1:1997
ja identne EN 61188-1-1:1997

**Printed boards and printed board assemblies - Design and use - Part 1-1: Generic requirements - Flatness considerations for electronic assemblies**
This part of IEC 61188 describes those factors which control the flatness of rigid printed boards and their assemblies. The object of this standard is to inform the designer, manufacturer, assembler and user of rigid printed boards and their assemblies about those factors affecting their flatness. This standard incorporates advice regarding: design; base material; unassembled printed boards; printed board assemblies.

**EVS-EN 61188-1-2:2002**
Hind 259,00
Identne IEC 61188-1-2:1998
ja identne EN 61188-1-2:1998
**Printed boards and printed board assemblies - Design and use - Part 1-2: Generic requirements - Controlled impedance**
This part of IEC 61188 is intended to be used by circuit designers, packaging engineers, printed board manufacturers and procurement personnel so that all may have a common understanding of each area. The aim in packaging is to transfer a signal from one device to one or more other devices through a conductor. High-speed designs are defined as designs in which the interconnecting properties affect circuit performance and require unique considerations.

**EVS-EN 61249-3-3:2002**
Hind 155,00
Identne IEC 61249-3-3:1999
ja identne EN 61249-3-3:1999
**Materials for printed boards and other interconnecting structures - Part 3-3: Sectional specification set for unreinforced base materials, clad and unclad (intended for flexible printed boards) - Adhesive coated flexible polyester film**
This specification gives requirements for flexible polyester (PETP) films coated on one side or both with polyester, acrylic or epoxide type adhesive for use in the fabrication of flexible printed wiring.

**EVS-EN 61249-3-4:2002**
Hind 163,00
Identne IEC 61249-3-4:1999
ja identne EN 61249-3-4:1999
**Materials for printed boards and other interconnecting structures - Part 3-4: Sectional specification set for unreinforced base materials, clad and unclad (intended for flexible printed boards) - Adhesive coated flexible polyimide film**
This part of IEC 61249 gives requirements for flexible polyimide films coated on one side or both sides with acrylic or epoxide type adhesive for use in the fabrication of flexible printed wiring.

**EVS-EN 61249-3-5:2002**
Hind 155,00
Identne IEC 61249-3-5:1999
ja identne EN 61249-3-5:1999
**Materials for printed boards and other interconnecting structures - Part 3-5: Sectional specification set for unreinforced base materials, clad and unclad (intended for flexible printed boards) - Transfer adhesive films**
This part of IEC 61249 gives requirements for transfer adhesive films for use in the fabrication of flexible multilayer boards or flex-rigid printed boards.

**EVS-EN 61249-5-4:2002**
Hind 163,00
Identne IEC 61249-5-4:1996
ja identne EN 61249-5-4:1996
**Materials for interconnection structures - Part 5: Sectional specification set for conductive foils and films with or without coating - Section 4: Conductive inks**
This specification details requirements for the qualification of conductive inks intended for use as a substitute for metallic finishes on contacts and for conductive inks. Information in this document will also provide guidance regarding the suitability of printed boards which feature conductive inks. Requirements for the release of products using conductive inks, should be included in the Customer Detail Specification (CDS).

**EVS-EN 61249-8-7:2002**
Hind 163,00
Identne IEC 61249-8-7:1996
ja identne EN 61249-8-7:1996
**Materials for interconnection structures - Part 8: Sectional specification set for non-conductive films and coatings - Section 7: Marking legend inks**
This specification details requirements for the qualification of marking inks used for legends and other identifications used on printed boards. Information in this specification will also provide guidance regarding the suitability of printed boards which feature marking inks. Requirements for the release of products using marking inks should be included in the customer detail specification (CDS).

**EVS-EN 61249-8-8:2002**
Hind 130,00
Identne IEC 61249-8-8:1997
ja identne EN 61249-8-8:1997
**Materials for interconnection structures - Part 8: Sectional specification set for non-conductive films and coatings - Section 8: Temporary polymer coatings**
This specification within the IEC 61249 series details requirements for the qualification of temporary solder resist coatings. These have been referred to as a mask in this specification since they have the facility of being readily removed.

**EVS-EN 60249-2-10:2002**
Hind 212,00
Identne IEC 60249-2-10:1987+ A1,2, 5:2000
ja identne EN 60249-2-10:1994+ A3, 5:2000
**Base materials for printed circuits - Part 2: Specifications - Specification No. 10: Epoxide non-woven/woven glass reinforced copper-clad laminated sheet of defined flammability (vertical burning test)**
Gives requirements for properties of epoxide non-woven/woven glass reinforced copper-clad laminated sheet of defined flammability, in thicknesses of 0.7 mm up to 3.2 mm. The sheet consists of an insulating base (epoxide resin bonded composite laminate consisting of a non-woven glass-fibre core and glass cloth surface layers) with metal foil bonded to one or both sides.

**EVS-EN 60249-2-11:2002**
Hind 199,00
Identne IEC 60249-2-11:1987+ A1, 4:2000

ja identne EN 60249-2-11:1994+ A2, 4:2000

**Base materials for printed circuits - Part 2: Specifications - Specification No. 11: Thin epoxide woven glass fabric copper-clad laminated sheet, general purpose grade, for use in the fabrication of multilayer printed boards**

Gives requirements for properties of thin epoxide woven glass fabric copper-clad laminated sheet, general purpose grade, for use in the fabrication of multilayer printed boards. Laminated sheets covered by this specification have thicknesses (of the base laminate, excluding the copper foil) not greater than 0.8 mm (0.031 in). The sheet consists of an insulating base (epoxide resin bonded woven glass fabric laminate) with metal foil bonded to one or both sides. This publication supersedes IEC 249-2C (1973).

**EVS-EN 60249-2-12:2002**
Hind 212,00
Identne IEC 60249-2-12:1987+ A1,2,4:2000
ja identne EN 60249-2-12: 1987+ A2,4:2000

**Base materials for printed circuits - Part 2-12: Specifications - Specification: thin epoxide woven glass fabric copper-clad laminated sheet of defined flammability, for use in the fabrication of multilayer printed boards**

Gives requirements for properties of thin epoxide glass fabric cobber-clad laminated sheet, of defined flammability for use in the fabrication of multilayer printed boards. Laminated sheets covered by this specification have thicknesses (of the base laminated, excluding the copper foil) not greater than 0.8 mm (0.031 in). The sheet consists of an insulating base (epoxide resin bonded woven glass fabric laminate) with metal foil bonded to one or both sides.

**EVS-EN 60249-2-14:2002**
Hind 190,00
Identne IEC 60249-2-14:1988+ A5:2000
ja identne EN 60249-2-14:1994+ A5:2000

**Base materials for printed circuits - Part 2: Specifications - Specificaton No. 14: Phenolic cellulose paper copper-clad laminated sheet of defined flammability (vertical burning test), economic quality**

Gives requirements for properties of phenolic, cellulose paper copper-clad laminated sheet, of defined flammability, in thicknesses of 0.5 mm up to 3.2 mm. The sheet consists of an insulating base (phenolic resin bonded cellulose paper laminate with defined flame resistance) with metal foil bonded on one or both sides.

**EVS-EN 60249-2-16:2002**
Hind 212,00
Identne IEC 60249-2-16:1992+ A3:2000
ja identne EN 60249-2-16:1993+ A3:2000

**Base materials for printed circuits - Part 2: Specifications - Specificaton No. 16: Polyimide woven glass fabric copper-clad laminated sheet of defined flammability (vertical burning test)**

This specification of IEC 249-2 gives requirements for properties of polyimide woven glass fabric copper-clad laminated sheet of defined flammability, in thicknesses of 0,5 mm up to 6,4 mm.

**EVS-EN 60249-2-17:2002**
Hind 199,00
Identne IEC 60249-2-17:1992+ A3:2000
ja identne EN 60249-2-17:1993+ A3:2000

**Base materials for printed circuits - Part 2: Specifications - Specificaton No. 17: Thin polyimide woven glass fabric copper-clad laminated sheet of defined flammability for use in the fabrication of multilayer printed board**

This specification of IEC 249-2 gives requirements for properties of thin polymide woven glass fabric copper-clad laminated sheet of defined flammability for use in the fabrication of multilayer printed boards.

**EVS-EN 60249-2-18:2002**
Hind 212,00
Identne IEC 60249-2-18:1992+ A3:2000
ja identne EN 60249-2-18:1993+ A3:2000

**Base materials for printed circuits - Part 2: Specifications - Specificaton No. 18: Bismaleimide/triazine modified epoxide woven glass fabric copper-clad laminated sheet of defined flammability (vertical burning test)**

This specification of IEC 249 gives requirements for properties of bismaleimide/triazine modified epoxide woven glass fabric copper-clad laminated sheet of defined flammability, in thicknesses of 0,5 mm up to 6,4 mm.

**EVS-EN 61249-2-12:2002**
Hind 170,00
Identne IEC 61249-2-12:1999
ja identne EN 61249-2-12:1999

**Materials for printed boards and other interconnection structures - Part 2-12: Sectional specification set for reinforced base materials, clad and unclad - Epoxide non-woven aramid laminate of defined flammability, copper-clad**

This part of IEC 1249 gives requirements for properties of epoxide non woven aramid copper-clad laminate of defined flammability, in thicknesses of 0,05 mm up to 6,4 mm.

**EVS-EN 61249-2-13:2002**
Hind 170,00
Identne IEC 61249-2-13:1999
ja identne EN 61249-2-13:1999

**Materials for printed boards and other interconnecting structures - Part 2-13: Sectional specification set for reinforced base materials, clad and unclad - Cyanate ester non-woven aramid laminate of defined flammability, copper-clad**

This part of IEC 61249 gives requirements for properties of cyanate ester non-woven aramid copper-clad laminate of defined flammability, in thicknesses of 0,05 mm up to 6,4 mm.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 25476
Tähtaeg: 2003-02-01
Identne EN 123000:1991+ A1:1995+A2:1996

**Generic Specification: Printed boards**

This document is a Generic Specification (GS) applying to printed boards within the CENELEC system for Electronic Components of Assessed Quality.It relates to printed boards

irrespective of their method of manufacture,when ready for mounting of the components.
prEVS 55085
Tähtaeg: 2003-02-01
Identne IEC 61249-2-7:2002
ja identne EN 61249-2-7:2002
**Materials for printed boards and other interconnecting structures - Part 2-7: Reinforced base materials clad and unclad - Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test), copper-clad**
Gives requirements for properties of epoxide woven E-glass laminated sheet 0,05 mm up to 3,2 mm, of defined flammability, copper-clad.
prEVS 55159
Tähtaeg: 2003-02-01
Identne IEC 61188-5-1:2002
ja identne EN 61188-5-1:2002
**Printed boards and printed board assemblies - Design and use - Part 5-1: Attachment (land/joint) considerations - Generic requirements**
Provides information on land pattern geometries used for the surface attachment of electronic components. The intent of the information presented herein is to provide the appropriate size, shape and tolerance of surface-mount land patterns to insure sufficient area for the appropriate solder fillet, and also to allow for inspection, testing, and rework of those solder joints.
prEVS 55195
Tähtaeg: 2003-02-01
Identne EN 123400-800:1992
**Capability Detail Specification: Flexible printed boards without through connections**
This Cap Dis is based on CECC 23 400. It relates to flexible printed boards without through connections made with materials and surface finishes as specified in p. 2.
prEVS 55196
Tähtaeg: 2003-02-01
Identne EN 123500:1992 + A2:1996
**Sectorial Specification: Flexible printed boards with through connections**
This document is a Sectional Specification (SS) relating to flexible printed boards with through connections irrespective of their method of manufacture, when they are ready for mounting of the components. It defines the characteristics to be assessed and the test methods to be used for capability approval testing and for quality conformance inspection (lot-by-lot and periodic inspection)
prEVS 55465
Tähtaeg: 2003-02-01
Identne EN 123500-800:1992
**Capability detail specification: Flexible printed boards with trough connections**
This Cap CD is based on CECC 23 500. It relates to flexible printed boards with through connections made with materials and surface finishes as specified in 2.

## 31.190 Elektroonikakomponentide koosted

## Electronic component assemblies

## UUED STANDARDID

**EVS-EN 160101:2002**
Hind 126,00
Identne EN 160101:1998
**Blank detail specification: Printed board assembly modular electronic units of assessed quality. Capability approval**
This blank detail specification is a supplementary document to sectional specification EN 160100 and contains requirements for style,layout and minimum content of detail specifications.

**EVS-EN 160201:2002**
Hind 101,00
Identne EN 160201:1997
**Blank detail specification: Microwave modular electronic units of assessed quality - Capability Approval**
The document defines the requirements for a blank detail specification (BDS) and includes, as examples, formats for Customer's Detail Specification (CDS) and detail specification for Standard Catalogues Items.

**EVS-EN 160200-1:2002**
Hind 199,00
Identne EN 160200-1:1997
**Sectional Specification: Microwave modular electronic units of assessed quality - Part 1: Capability approval procedure**
This CECC sectional specification in conjunction with the generic specification EN 160000 describes a system for capability approval of manufactureres of microwave modular electronic units (mmeu´s) which are not covered by other CECC specifications.

**EVS-EN 60068-2-21:2002**
Hind 212,00
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.

**EVS-EN 60068-2-58:2002**
Hind 126,00
Identne IEC 60068-2-58:1999
ja identne EN 60068-2-58:1999
**Environmental testing - Part 2-58: Tests - Test Td: Test methods for solderability, resistance to dissolution of metallisation and to soldering heat of Surface Mounting Devices (SMD)**
The standard provides a standard procedure for determining the solderability, resistance to dissolution of metallization and resistance to soldering heat devices (SMD) (hereafter referred to as specimens). The procedure uses a solder bath and is applicable only to specimens of products designed to withstand short-term immersion in molten solder.

**EVS-EN 60068-2-77:2002**
Hind 139,00
Identne IEC 60068-2-77:1999
ja identne EN 60068-2-77:1999
**Environmental testing - Part 2-77: Tests - Test 77: Body strength and impact shock**
Provides test methods applicable to surface mounting devices made of glass or sintered materials such as capacitors, resistors and inductors incorporating ferrites. Two test methods exist: body strength and impact shock. The object of both tests is to evaluate the mechanical stresses applied to SMDs during and after mounting; these tests look at different mechanical stresses.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55082
Tähtaeg: 2003-02-01
Identne IEC 61190-1-1:2002
ja identne EN 61190-1-1:2002
**Attachment materials for electronic assembly - Part 1-1: Requirements for soldering fluxes for high-quality interconnections in electronics assembly**
Specifies general requirements for the classification and testing of soldering fluxes for high-quality interconnections in electronics assembly. This standard is a flux characterization, quality control, and procurement document for solder flux and flux containing material in electronics assembly technology.
prEVS 55083
Tähtaeg: 2003-02-01
Identne IEC 61190-1-2:2002
ja identne EN 61190-1-2:2002
**Attachment materials for electronic assembly - Part 1-2: Requirements for solder pastes for high-quality interconnections in electronics assembly**
Specifies general requirements for the characterization and testing of solder pastes used to make high quality electronic interconnections in electronics assembly. Prescribes a quality control document (not intended to relate directly to the material performance in the manufacturing process).
prEVS 55084
Tähtaeg: 2003-02-01
Identne IEC 61190-1-3:2002
ja identne EN 61190-1-3:2002
**Attachment materials for electronic assembly - Part 1-3:Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications**
prEVS 55159
Tähtaeg: 2003-02-01
Identne IEC 61188-5-1:2002
ja identne EN 61188-5-1:2002
**Printed boards and printed board assemblies - Design and use - Part 5-1: Attachment (land/joint) considerations - Generic requirements**
Provides information on land pattern geometries used for the surface attachment of electronic components. The intent of the information presented herein is to provide the appropriate size, shape and tolerance of surface-mount land patterns to insure sufficient area for the appropriate solder fillet, and also to allow for inspection, testing, and rework of those solder joints.

# 31.200 Integraallülitused. Mikroelektroonika

Integrated circuits. Microelectronics

## UUED STANDARDID

**EVS-EN 190116:2002**
Hind 170,00
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.

**EVS-EN 165000-1:2002**
Hind 229,00
Identne EN 165000-1:1996
**Film and hybrid integrated circuits - Part 1: Generic specification - Capability approval procedure**
This specification prescribes the quality assessment procedures and methods of tests to be used in the assessment of film and hybrid integrated circuits intended for use in electronic equipment, under the capability approval procedure. It also applies to part completed devices supplied to customers for subsequent processing. It should be read in conjunction with EN 165000-2, -3 and -4.

**EVS-EN 165000-2:2002**
Hind 170,00
Identne EN 165000-2:1996
**Film and hybrid integrated circuits - Part 2: Internal visual inspection and special tests**
This specification prescribes the quality assessment procedures and methods of tests to be used in the assessment of film and hybrid integrated circuits intended for use in electronic equipment, under the capability approval procedure. It also applies to part completed devices supplied to customers for subsequent processing. It should be read in conjunction with EN 165000-1, -3 and -4.

**EVS-EN 165000-3:2002**
Hind 272,00
Identne EN 165000-3:1996
**Film and hybrid integrated circuits - Part 3: Self-audit checklist and report for film and hybrid integrated circuit manufacturers**
This specification prescribes the quality assessment procedures and methods of tests to be used in the assessment of film and hybrid integrated circuits intended for use in electronic equipment, under the capability approval procedure. It also applies to part completed devices supplied to customers for subsequent processing. It should be read in conjunction with EN 165000-1, -2 and -4.

**EVS-EN 165000-4:2002**
Hind 212,00
Identne EN 165000-4:1996
**Film and hybrid integrated circuits - Part 4: Customer information, product assessment level schedules and blank detail specification**
This specification prescribes the quality assessment procedures and methods of tests to be used in the assessment of film and hybrid integrated circuits intended for use in electronic equipment, under the capability approval procedure. It also applies to part completed devices supplied to customers for subsequent processing. It should be read in conjunction with EN 165000-1, -2 and -3.

**EVS-EN 165000-5:2002**
Hind 170,00
Identne EN 165000-5:1997
**Film and hybrid integrated circuits - Part 5: Procedure for qualification approval**
This specification applies to film and hybrid integrated circuits manufactured as catalogue products or as custom built products using thick/thin film techniques and whose quality is assessed on the basis of Qualification Approval.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55087
Tähtaeg: 2003-02-01
Identne IEC 61967-4:2002
ja identne EN 61967-4:2002

**Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 4: Measurement of conducted emissions, 1 ohm/150 ohm direct coupling method**
Specifies a method to measure the conducted electromagnetic emission of integrated circuits by direct RF current measurement with a 1 ohm resistive probe and RF voltage measurement using a 150 ohm coupling network. These methods guarantee a high degree of repeatability and correlation of measurements.
prEVS 55187
Tähtaeg: 2003-02-01
Identne IEC 61967-6:2002
ja identne EN 61967-6:2002
**Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 6: Measurement of conducted emissions - Magnetic probe method**
Specifies a method for evaluating RF currents on the pins of an integrated circuit (IC) by means of non-contact current measurement using a miniature magnetic probe. This method is capable of measuring the RF currents generated by the IC over a frequency range of 0,15 MHz to 1 000 MHz.
prEVS 55245
Tähtaeg: 2003-02-01
Identne IEC 61967-1:2002
ja identne EN 61967-1:2002
**Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 1: General conditions and definitions**
Provides general information and definitions on measurement of conducted and radiated electromagnetic disturbances from integrated circuits. Also provides a description of measurement conditions, test equipment and set-up as well as the test procedures and content of the test reports. A test method comparison table is included to assist in selecting the appropriate measurement method(s). Measurement of the voltage and current of conducted RF emissions or radiated RF disturbances, coming from an integrated circuit under controlled conditions, yields information about the potential for RF disturbances in an application of the integrated circuit.
prEVS 55308
Tähtaeg: 2003-02-01
Identne IEC 597-3:1983
ja identne HD 95.3 S1:1984
**Aeriala for the reception of sound and television broadcasting in the frequency range 30 MHz to 1 GHz - Part 2: Methods of measurements of mechanical properties, vibration and environmental tests**
Aeriala for the reception of sound and television broadcasting in the frequency range 30 MHz to 1 GHz. Methods of measurements of mechanical properties, vibration and environmental tests

## 31.220
## Elektron- ja sideseadmete elektromehaanilised osad

Electromechanical components for electronic and telecommunications equipment

### UUED STANDARDID

**EVS-EN 60512-1:2002**
Hind 101,00
Identne IEC 60512-1:2001
ja identne EN 60512-1:2001
**Connectors for electronic equipment - Tests and measurements - Part 1: General**
This part of IEC 512 contains fundamental information on test methods and procedures. It is intended to be used in those cases where a generic, sectional or detail specification for a certain component has been prepared, so as to achieve uniformity and reproducibility on the testing procedures.

**EVS-EN 60512-6-5:2002**
Hind 101,00
Identne IEC 60512-6-5:1997
ja identne EN 60512-6-5:1999
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 6: Dynamic stress tests - Section 5: Test 6e: Random vibration**
Defines a test method intended to assess the ability of components to withstand specified severities of random vibration.

**EVS-EN 60512-1-100:2002**
Hind 117,00
Identne IEC 60512-1-100:2001
ja identne EN 60512-1-100:2001
**Connectors for electronic equipment - Tests and measurements - Part 1-100: General; Applicable publications**
Provides the test numbers and the applicable parts of the IEC 60512 series.

**EVS-EN 60512-12-7:2002**
Hind 83,00
Identne IEC 60512-12-7:2001
ja identne EN 60512-12-7:2001
**Connectors for electronic equipment - Tests and measurements - Part 12-7: Soldering tests; Test 12g: Solderability, wetting balance method**
Defines a standard test method to assess the solderability of the terminations of a component designed for use with printed boards or for other applications using similar soldering techniques.

## 31.220.00
## Elektron- ja sideseadmete elektromehaanilised osad

Electromechanical components for electronic and telecommunications equipment. General

### UUED STANDARDID

**EVS-EN 60512-10-4:2002**
Hind 92,00
Identne IEC 60512-10-4:1996
ja identne EN 60512-10-4:1996
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 10: Impact tests (free components), static load tests (fixed components), endurance tests and overload tests - Section 4: Test 10d: Electrical overload (connectors)**
The present section of IEC 512-10 applies to the electrical overload test of mated contact pairs of connectors. The object of this test is to detail a standard method to asses the performance of mated contact pairs of connectors with an electrical overload current flowing through them for a limited period of time, in the order of 1 ms to 1 s.

## 31.220.01
## Elektromehaanilised osad üldiselt

Electromechanical components in general

## UUED STANDARDID

**EVS-EN 60512-1-3:2002**
Hind 83,00
Identne IEC 60512-1-3:1997
ja identne EN 60512-1-3:1997
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 1: General examination - Section 3: Test 1c: Electrical engagement length**
This section of IEC 60512-1, when required by the detail specification, is used for testing electromechanical components within the scope of IEC technical committee 48. This test may also be used for similar components when specified in a detail specification. The object of this test is to define a standard test method to measure the electrical engagement length in a connector as defined in IEV 581-03-15.

**EVS-EN 60512-1-4:2002**
Hind 92,00
Identne IEC 60512-1-4:1997
ja identne EN 60512-1-4:1997
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 1: General - Section 4: Test 1d: Contact protection effectiveness (scoop-proof)**
This section of IEC 60512-1 is to be used when referenced by the detail specification to test mechanical components overseen by the IEC subcommittee 48B. This test can also be done on similar devices when the detail specification so prescribes.

**EVS-EN 60512-11-1:2002**
Hind 92,00
Identne IEC 60512-11-1:1995
ja identne EN 60512-11-1:1999
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 11: Climatic tests - Section 1: Test 11a: Climatic sequence**
This section of IEC 512-11 defines a standard test method to assess the ability of a component to function in a specified manner, in a specified environment which might be encountered during normal use, including storage.

**EVS-EN 60512-11-14:2002**
Hind 101,00
Identne IEC 60512-11-14:1996
ja identne EN 60512-11-14:1997
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 11: Climatic tests - Section 14: Test 11p: Flowing single gas corrosion test**
This section of IEC 512-11, when required by the detail specification, is used for testing electromechanical components within the scope of IEC/TC 48. This test may also be used for similar components when specified in a detail specification. The object of this test is to define standard test methods to assess the effects of a controlled corrosion in industrial atmospheres, in specified concentration of polluting (gas(es). It is not intended to be followed by electrical tests.

**EVS-EN 60512-11-8:2002**
Hind 92,00
Identne IEC 60512-11-8:1995
ja identne EN 60512-11-8:1999
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 11: Climatic tests - Section 8: Test 11 h: Sand and dust**
This section of IEC 512-11 defines a standard test method to assess the ability of a connector to withstand driving fine sand and dust.

**EVS-EN 60512-13-1:2002**
Hind 75,00
Identne IEC 60512-13-1:1996
ja identne EN 60512-13-1:1997
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 13: Mechanical operating tests - Section 1: Test 13a: Engaging and separating forces**
This section of IEC 512-13 details a standard method to measure the force required to fully engage or separate mating components, including the effect of any device that assists the engaging/separating operations.

**EVS-EN 60512-19-3:2002**
Hind 101,00
Identne IEC 60512-19-3:1997
ja identne EN 60512-19-3:1997
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 19: Chemical resistance tests - Section 3: Test 19c - Fluid resistance**
This section of IEC 60512-19, when required by the detail specification, is used for testing electromechanical components within the scope of IEC technical committee 48. This test may also be used for similar components when specified in a detail specification. The object of this test is to define a standard test method to assess the effects of accidental exposure to fluids and lubricants on electrical connecting devices.

**EVS-EN 60512-20-2:2002**
Hind 146,00
Identne IEC 60512-20-2:2000
ja identne EN 60512-20-2:2000
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 20-2: Test 20b: Flammability tests; Fireproofness**
Describes a standard test method to assess the ability of a connector to withstand specified flame and vibration during a 20 min exposure by providing specified electrical performance for the first 6 min of exposure and preventing the flame from penetrating the fireproof bulkhead on which the connector is mounted throughout the test.

**EVS-EN 60512-23-3:2002**
Hind 146,00
Identne IEC 60512-23-3:2000
ja identne EN 60512-23-3:2001
**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 23-3: Test 23c: Shielding effectiveness of connectors and accessories**

This standard specifies a method for measuring the shielding effectiveness of a connector, or a connector fitted with an accessory and terminated with a cable. The complete assembly shall have a continuous 360 degrees shielding capability throughout its length. This test is suitable for measuring the shielding effectiveness of a connector fitted with triaxial contacts terminated with shielded, twisted pair cables as used in Data-Bus systems.

## 31.220.10
## Pistikseadised. Liitmikud

Plug-and-socket devices. Connectors

## UUED STANDARDID

**EVS-EN 122003:2002**
Hind 66,00
Identne EN 122003:1994
**Blank detail specification for the preparation of customer detail specifications (CDS) and detail specifications for standard production items with capability approval**
Blank detail specification.

**EVS-EN 175200:2002**
Hind 272,00
Identne EN 175200:1996
**Sectional Specification: Circular connectors**
This Sectional Specification is applicable to circular connectors for use in electrical and electronic equipment and systems. It shall be used in conjunction with the basic specification, IEC 512: Electromechanical components for electronic equipment, basic testing procedures and measuring methods, and the relevant Detail Specification.

**EVS-EN 175300:2002**
Hind 190,00
Identne EN 175300:1996
**Sectional Specification: Rectangular connectors for frequencies below 3 MHz**
This Sectional Specification is applicable to rectangular connectors particularily designed for use in equipment for telecommunication, electronic data processing and in electronic devices employing similar techniques. Connectors essentially designed for use at frequencies exceeding 3 MHz are not covered. The object of this Sectional Specification is to establish uniform specifications and type test requirements for rectangular connectors and to establish rules for the preparation of Detail Specifications.

**EVS-EN 175500:2002**
Hind 212,00
Identne EN 175500:1997
**Sectional specification: Cable outlet accessories for connectors, including qualification approval and capability approval**
This Sectional Specification (SS) is applicable to cable outlet accessories for connectors. It shall be used in conjunction with the relevant Detail Specification (DS). The object of this SS is to establish uniform specifications, type test requirements and quality assessement procedures for cable outlet accessories and to establish rules for the preparation of detail specifications for cable outlet accessories of assessed quality.

**EVS-EN 60130-9:2002**
Hind 283,00
Identne IEC 60130-9:2000
ja identne EN 60130-9:2000
**Connectors for frequencies below 3 MHz - Part 9: Circular connectors for radio and associated sound equipment**
Relates to circular connectors for radio and associated sound equipment. Specifies IEC type designation, contact arrangement and connections, dimensions, gauges, rated values, and a schedule for type tests.

**EVS-EN 60603-1:2002**
Hind 229,00
Identne 30990:1992
ja identne EN 60603-1:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 1: Generic specification - General requirements and guide for the preparation of detail specifications, with assessed quality**
This part of IEC 603 is applicable to printed board connectors designed for use in equipment for telecommunication and electronic data processing and in electronic equipment or devices employing similar techniques. This generic specification shall be used in conjunction with the relevant detail specification(s).

**EVS-EN 60603-2:2002**
Hind 316,00
Identne IEC 60603-2:1995
ja identne EN 60603-2:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 2: Detail specification for two-part connectors with assessed quality, for printed boards, for basic grid of 2,54 mm (0.1 in) with common mounting features**
This International Standard applies to groups of related connectors for use with printed boards. They range from connectors with high contact density for low-voltage applications (Styles B and C) to connectors for heavy currents and high voltages having fewer contacts (Styles D, E, F, G and H).

**EVS-EN 60603-3:2002**
Hind 179,00
Identne IEC 60603-3:1987
ja identne EN 60603-3:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 3: Two-part connectors for printed boards having contacts spaced at 2.54 mm (0.100 in) centres and staggered terminations at that same spacing**
Applies to a group of related rectangular, multicontact, two-part printed board connectors with male and female contact in conjunction with either solder or solderless terminations (such as wrap type). All connectors have the same contact spacing using the basic grid of 2.54 mm (0.100 in).

**EVS-EN 60603-4:2002**
Hind 179,00
Identne IEC 60603-4:1987
ja identne EN 60603-4:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 4: Two-part connectors for printed boards having contacts spaced at 1,91 mm (0,075 in) centres and staggered terminations at that same spacing**
This standard applies to a group of related rectangular, multicontact, two-part printed board connectors with male and female contacts in conjunction with either solder or solderless terminations (such as wrap type). All connectors have the same contact spacing using the basic grid of 1.91 mm (0.075 in).

**EVS-EN 60603-5:2002**
Hind 212,00
Identne IEC 60603-5:1987
ja identne EN 60603-5:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 5: Edge-socket connectors and two-part connectors for double-sided printed boards with 2,54 mm (0,1 in) spacing**
This standard covers a range of connectors with 2.54 mm (0.1 in) spacing intended to connect a double-sided printed board to another printed board or wires.

**EVS-EN 60603-6:2002**
Hind 247,00
Identne IEC 60603-6:1987
ja identne EN 60603-6:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 6: Edge-socket connectors and printed-board connectors with 2,54 mm (0,1 in) contact spacing for single or double-sided printed boards of 1,6 mm (0,063 in) nominal thickness**
This standard covers a range of connectors with 2.54 mm (0,1 in) contact spacing intended to connect a single or double-sided printed board to another printed board or wires.

**EVS-EN 60603-7:2002**
Hind 283,00
Identne IEC 60603-7:1996
ja identne EN 60603-7:1997
**Connectors for frequencies below 3 MHz for use with printed boards - Part 7: Detail specification for connectors, 8-way, including fixed and free connectors with common mating features, with assessed quality**
This part of IEC 603 covers an 8-way connector system of 4, 6 or 8 contacts consisting of a range of free and fixed connectors. The connectors cover a varity of different mounting configurations and termination types with a common mating configuration.

**EVS-EN 60603-8:2002**
Hind 247,00
Identne IEC 60603-8:1990
ja identne EN 60603-8:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 8: Two-part connectors for printed boards, for basic grid of 2,54 mm (0,1 in), with square male contacts of 0,63 mm x 0,63 mm**
This standard is applicable to a group of related two-part connectors for printed boards for board-to-board and board-to-wire connection, with tin or gold plated contact area according to the style. The free or fixed board-mounted connectors are provided with terminations suitable for printed boards in accordance with IEC 326 and using a grid of 2.54 mm (0.1 in) as laid down in IEC 97.

**EVS-EN 60603-9:2002**
Hind 316,00
Identne IEC 60603-9:1990
ja identne EN 60603-9:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 9: Two-part connectors for printed boards, backpanels and cable connectors, basic grid of 2,54 mm (0,1 in)**
This standard covers a group of related two-part connectors for printed boards and cable connectors associated with printed backpanels. The group covers high-density connectors having up to 96 miniature contacts for low-voltage applications, connectors having up to 6 high current contacts, combined with up to 42 signal contacts and a range of 4, 10, 20, and 64 way female cable connectors and associated male parts for making connection to the backpanel or to the printed board.

**EVS-EN 60933-4:2002**
Hind 109,00
Identne IEC 60933-4:1994
ja identne EN 60933-4:1994
**Audio, video and audiovisual systems - Interconnections and matching values - Part 4: Connector and cordset for domestic digital bus (D2B)**
This International Standard deals with the application of a connector and cordset for transmitting domestic digital bus (D2B) control data signals independently from other (audio and video) signals.

**EVS-EN 60933-5:2002**
Hind 117,00
Identne IEC 60933-5:1992
ja identne EN 60933-5:1993
**Audio, video and audiovisual systems - Interconnections and matching values - Part 5: Y/C connector for video systems - Electrical matching values and description of the connector**
Applies to the transfer of video signals between two pieces of equipment in an NTSC, PAL or SECAM high-resolution video system, in the form of a Y-signal, consisting of luminance + blanking + sync, and a C-signal, the same as the modulated chrominance signal of the composite video signal. It specifies the signal levels and impedances at the interface and the type of connector to be used.

**EVS-EN 61076-2:2002**
Hind 212,00
Identne IEC 61076-2:1998
ja identne EN 61076-2:1999
**Connectors for use in d.c. low-frequency analogue and digital high-speed data applications - Part 2: Circular connectors with assessed quality - Sectional specification**
This part of IEC 61076 establishes uniform specifications, type testing requirements and quality assessment procedures for circular connectors. It contains a choice of all test methods and sequences, severities and preferred values for dimensions and characteristics. Guidance is provided on the rules for the preparation of detail specifications for circular connectors of assessed quality, used in electronic, electrical equipment and systems. It shall be used in connection with the generic specification IEC 1076-1 and with the relevant detail specification.

**EVS-EN 61076-7:2002**
Hind 247,00
Identne IEC 61076-7:2000
ja identne EN 61076-7:2000
**Connectors for use in d.c., low-frequency analogue and digital high speed data applications - Part 7: Cable outlet accessories with assessed quality, including qualification and capability approval; Sectional specification**
This Sectional Specification (SS) is applicable to cable outlet accessories for connectors. It shall be used in conjunction with the relevant Detail Specification (DS).The object of this SS is to establish uniform specifications, type test requirements and quality assessment procedures for cable

outlet accessories and to establish rules for the preparation of detail specifications for cable outlet accessories of assessed quality.

**EVS-EN 60118-12:2002**
Hind 139,00
Identne IEC 60118-12:1996
ja identne EN 60118-12:1996
**Hearing aids - Part 12: Dimensions of electrical connector systems**
This International Standard applies to plugs and connector systems for hearing aids and specifies the dimensions and their tolerances essential for ensuring interchangeability.

**EVS-EN 60130-17:2002**
Hind 229,00
Identne IEC 60130-17:1998
ja identne EN 60130-17:1999
**Connectors for frequencies below 3 MHz - Part 17: Detail specification for interconnection devices which permit multi-directional mating, for use with rechargeable batteries**
This is a connector detail specification for a battery interconnection system for portable computers, cellular telephones and other electronic devices requiring power not to exceed 50 V d.c. SELV (Safety Extra Low Voltage).

**EVS-EN 60603-10:2002**
Hind 199,00
Identne IEC 60603-10:1991
ja identne EN 60603-10:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 10: Two-part connectors for printed boards for basic grid of 2,54 mm (0,1 in), inverted type**
This specification covers a group of related two-part connectors for printed boards, with 32, 48, 64 and 96 contacts for low-voltage applications.

**EVS-EN 60603-12:2002**
Hind 199,00
Identne IEC 60603-12:1992
ja identne EN 60603-12:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 12: Detail specification for dimensions, general requirements and tests for a range of sockets designed for use with integrated circuits**
This part of IEC 603 covers dimensions, general requirements and tests for a range of sockets designed for use with integrated circuits in dual-in-line format. Sockets include standard type and low-profile type.

**EVS-EN 60603-13:2002**
Hind 259,00
Identne IEC 60603-13:1995
ja identne EN 60603-13:1998
**Connectors for frequencies below 3 MHz for use with printed boards - Part 13: Detail specification for two-part connectors of assessed quality, for printed boards for basic grid of 2,54 mm (0,1 in), with free connectors for non-accessible insulation displacement terminations (ID)**
This part of IEC 603 covers a range of two-part connectors with contact arrangements having spacings of 2,54 mm (0,1 in) in both directions. The two-part connector range comprises a fixed (board-mounted) connector containing male contacts and a free connector containing female contacts. They are primarily intended to provide interconnection between printed boards using a basic grid of 2,54 mm (0,1 in) as laid down in IEC 97 and round conductor ribbon cable on 1,27 mm (0,05 in) centreline spacing.

**EVS-EN 60603-14:2002**
Hind 170,00
Identne IEC 60603-14:1998
ja identne EN 60603-14:1999
**Connectors for frequencies below 3 MHz for use with printed boards - Part 14: Detail specifikation for circular connectors for low-frequency audio and video applications such as audio, video and audio-visual equipment**
This part of IEC 60603 applies to circular connectors for low-frequency audio and video applications such as audio, video and audio-visual equipment. The object of this part of IEC 60603 is to specify the dimensions and the general requirements and tests for the circular connectors for use in audio, video and audio-visual equipment.

**EVS-EN 175101-802:2002**
Hind 212,00
Identne EN 175101-802:1999
**Detail specification: Two-part connectors for printed boards for high number of contacts with basic grid of 2,54 mm on 3 or 4 rows**
Detail specification for two part connectors for printed boards for high number of contacts with basic grid of 2,54 mm (0,1 in) on 3 or 4 rows.

**EVS-EN 175101-809:2002**
Hind 179,00
Identne EN 175101-809:1999
**Detail specification: Two-part connectors for printed boards having a grid of 2,54 mm, short version in compliance with CECC 75 101-801, with assessed quality**
Two-part connectors for printed boards having a grid of 2,54 mm, short version in compliance with CECC 75 101-801 Issue 2 (1993), with assessed quality.

**EVS-EN 175201-804:2002**
Hind 199,00
Identne EN 175201-804:1999
**Detail specification: Circular connectors - Round contacts, size diameter 1, 6 mm, threaded coupling**
Detail specification for circular connectors, round contacts, size diameter 1,6 mm, threaded coupling.

**EVS-EN 175301-801:2002**
Hind 179,00
Identne EN 175301-801:1999
**Detail specification: High density rectangular connectors, round removable crimp contacts**
Draft - Detail specification for high-density rectangular connectors, round removable crimp contacts.

**EVS-EN 175301-803:2002**
Hind 163,00
Identne EN 175301-803:1999
**Detail specification: Rectangular connectors - Flat contacts, 0, 8 mm thickness, locking screw not detachable**
Detail specification for rectangular connectors, flat contacts, 0,8 mm thickness, locking screw not detachable.

**EVS-EN 60512-14-7:2002**
Hind 83,00
Identne IEC 60512-14-7:1997
ja identne EN 60512-14-7:1998

**Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 14: Sealing tests - Section 7: Test 14g: Impacting water**
This section of IEC 60512-14, when required by the detail specification, is used for testing electromechanical components within the scope of IEC technical committee 48. This test may also be used for similar components when specified in a detail specification. This section of IEC 60512-14 defines a standard method to assess the effects of impacting water or specified fluid on electrical connecting devices.

**EVS-EN 60512-23-4:2002**
Hind 170,00
Identne IEC 60512-23-4:2001
ja identne EN 60512-23-4:2001
**Connectors for electronic equipment - Tests and measurements - Part 23-4: Screening and filtering tests; Test 23d: Transmission line reflections in the time domain**
Defines two test methods for evaluating the performance of a connector in a transmission line by measuring the reflections produced by it in the time domain. The connector is treated as a discontinuity in a transmission line with a controlled characteristic impedance.

**EVS-EN 61076-4-001:2002**
Hind 0,00
Identne IEC 61076-4-001:1996
ja identne EN 61076-4-001:1996
**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 001: Blank detail specification**
This part of IEC 1076 established uniform specifications, type testing requirements and quality assessement procedures for a sub-family of connectors for printed board applications. It contains a choice of all test methods and sequences, severities and preferred values for dimensions and characteristics. Blank detail specification.

**EVS-EN 61076-4-101:2002**
Hind 0,00
Identne IEC 61076-4-101:2001
ja identne EN 61076-4-101:2001
**Connectors for electronic equipment - Part 4-101: Printed board connectors with assessed quality; Detail specification for two-part connector modules, having a basic grid of 2, 0 mm for printed boards and backplanes in accordance with IEC 60917**
This publication also bears the number QC 480301XX0002 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

**EVS-EN 61076-4-105:2002**
Hind 272,00
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**
This publication also bears the number QC 480301XX0006 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

**EVS-EN 61076-4-104:2002**
Hind 316,00
Identne IEC 61076-4-104:1999
ja identne EN 61076-4-104:1999
**Connectors for use in d.c., low frequency analogue and digital high speed data applications - Part 4-104: Printed board connectors with assessed quality - Detail specification for two-part modular connectors, basic grid of 2,0 mm, with terminations on multiple grid of 0,5 mm**
This publication also bears the number QC 480301XX0005 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

**EVS-EN 61076-4-102:2002**
Hind 247,00
Identne IEC 61076-4-102:1997
ja identne EN 61076-4-102:1997
**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 102: Detail specification for two-part single-pole connectors, for multiple uses on plug-in units, with pre-centring, coding and early mating features, having a metric grid in accordance with IEC 60917**
This part of IEC 1076 establishes uniform specifications, type testing requirements and quality assessment procedures for a sub-family of connectors for printed board applications. It contains a choice of all test methods and sequences, severities and preferred values for dimensions and characteristics. Detail specification for two-part single-pole connectors, for multiple uses on plug-in units, with pre-centring, coding and early mating features, having a metric grid in accordance with IEC 917.

**EVS-EN 61076-4-103:2002**
Hind 306,00
Identne IEC 61076-4-103:1999
ja identne EN 61076-4-103:1999
**Connectors for use in d.c. low-frequency analogue and digital high speed data applications - Part 4-103: Printed board connectors with assessed quality - Detail specification for two-part connectors with shielding and a basic grid of 2,5 mm**
This document specifies a connector family having a basic grid of 2,5 mm and a mounting pitch of 25 mm (System Unit = SU), which consists of a fixed connector with a modular shielded shroud, where a plurality of shielded free cable connectors may by plugged-in.

**EVS-EN 61076-4-100:2002**
Hind 306,00
Identne IEC 61076-4-100:2001
ja identne EN 61076-4-100:2001
**Connectors for electronic equipment - Part 4-100: Printed board connectors with assessed quality; Detail specification for two-part connector modules having a grid of 2, 5 mm for printed boards and backplanes**

This specification contains a range of modular two-part connectors having a grid of 2,5 mm for printed boards and backplanes. The connectors cover a variety of multiple modules n x 25 mm, with n=1, 2, 4, 9, 10, in five rows (1 to 475 contacts) with optional coding, shielding and special contacts.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 33412
Tähtaeg: 2003-02-01
Identne IEC 61076-4-107:2001
ja identne EN 61076-4-107:2001
**Connectors for electronic equipment - Part 4-107: Printed board connectors with assessed quality - Detail specification for shielded two-part connectors having a basic grid of 2,0 mm, fixed part with solder and press-in terminations for printed boards, free part with non-accessible insulation displacement and crimp terminations ***
This publication also bears the number QC 480301XX0008 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).
prEVS 38065
Tähtaeg: 2003-02-01
Identne IEC 61076-5:2001
ja identne EN 61076-5:2001
**Connectors for use in d.c., low-frequency analogue and digital high-speed data applications - Part 5: In-line sockets with assessed quality - Sectional specification**
Defines functional levels, standard test methods and gauges for use in the examination of sockets designed for in-line electronic packages. Lays down appropriate reference dimensions of the mating device and board layout to establish intermateability and interchangeability criteria. Lays down test severity and performance requirements.
prEVS 55100
Tähtaeg: 2003-02-01
Identne IEC 60603-7-7:2002
ja identne EN 60603-7-7:2002
**Connectors for electronic equipment - Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 600 MHz (category 7, shielded)**
Covers 8 way connectors, up to 4 pairs, to be used up to 600 MHz, when used with an appropriate cable. These cables are specified in the IEC 61156 series and used in cabling systems specified in ISO/IEC 11801. The connectors are backward compatible with the already defined IEC 60603-7-X connectors. The connectors are interoperable with the already defined IEC 60603-7-X connectors.
prEVS 55104
Tähtaeg: 2003-02-01
Identne IEC 61076-2-102:2002
ja identne EN 61076-2-102:2002
**Connectors for electronic equipment - Part 2-102: Circular connectors with assessed quality - Detail specification for plugs and jacks for external low voltage power supply**
This publication also bears the number QC 480101XX0003 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).
prEVS 55147
Tähtaeg: 2003-02-01
Identne IEC 60352-7:2002
ja identne EN 60352-7:2002
**Solderless connections - Part 7: Spring clamp connections - General requirements, test methods and practical guidance**
Determines the suitability of spring-clamp connections under specified mechanical, electrical and atmospheric conditions. Lays down test procedures to ensure electrically stable connections under prescribed environmental conditions and provides information on materials and data from industrial experience
prEVS 55230
Tähtaeg: 2003-02-01
Identne IEC 60512-11-5:2002
ja identne EN 60512-11-5:2002
**Specifies the calculation procedures to be used for deriving thermal endurance characteristics from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2. The experimental data may be obtained using non-destructive, destructive or proof tests. Data obtained from non-destructive or proof tests may be incomplete, in that measurement of times taken to reach the**
Defines a standard test method to assess the extent and the effect of mould growth on the functioning of a component (essentially a connector) submitted to a mould culture.
prEVS 55231
Tähtaeg: 2003-02-01
Identne IEC 60512-11-6:2002
ja identne EN 60512-11-6:2002
**Connectors for electronic equipment - Tests and measurements - Part 11-6: Climatic tests - Test 11f: Corrosion, salt mist**
Defines a standard test method to assess the extent and the effect of a controlled salt-laden atmosphere on the finish of a specimen (essentially a connector).
prEVS 55232
Tähtaeg: 2003-02-01
Identne IEC 60512-11-9:2002
ja identne EN 60512-11-9:2002
**Connectors for electronic equipment - Tests and measurements - Part 11-9: Climatic tests - Test 11i: Dry heat**
Defines a standard test method to assess the ability of components (essentially connectors) to be stored and/or to function in a specified manner under specified conditions of dry heat.
prEVS 55233
Tähtaeg: 2003-02-01
Identne IEC 60512-4-2:2002
ja identne EN 60512-4-2:2002
**Connectors for electronic equipment - Tests and measurements - Part 4-2: Voltage stress tests - Test 4b: Partial discharge**
Defines a standard test method to assess the ability of an electromechanical component (essentially a connector) to be used under specified voltage conditions without showing partial discharges.
prEVS 55234
Tähtaeg: 2003-02-01
Identne IEC 60512-4-3:2002
ja identne EN 60512-4-3:2002
**Connectors for electronic equipment - Tests and measurements - Part 4-3: Voltage stress tests - Test 4c: Voltage proof of pre-insulated crimp barrels**
Details a standard method to determine the ability of pre-insulated crimp barrels to withstand the crimp operation without damage to the insulation.

prEVS 55235
Tähtaeg: 2003-02-01
Identne IEC 60512-5-1:2002
ja identne EN 60512-5-1:2002
**Connectors for electronic equipment - Tests and measurements - Part 5-1: Current-carrying capacity tests - Test 5a: Temperature rise**
Details a standard test method to assess the ability of a component (essentially a connector) to carry its specified current, at room temperature, without exceeding a specified temperature rise.
prEVS 55236
Tähtaeg: 2003-02-01
Identne IEC 60512-5-2:2002
ja identne EN 60512-5-2:2002
**Connectors for electronic equipment - Tests and measurements - Part 5-2: Current-carrying capacity tests - Test 5b: Current-temperature derating**
Details a standard test method to assess the current-carrying capacity of electromechanical components (essentially connectors) at elevated ambient temperature.
prEVS 55237
Tähtaeg: 2003-02-01
Identne IEC 60512-6-1:2002
ja identne EN 60512-6-1:2002
**Connectors for electronic equipment - Tests and measurements - Part 6-1: Dynamic stress tests - Test 6a: Acceleration, steady state**
Defines a standard test method to assess the ability of components (essentially connectors) to withstand specified severities of acceleration.
prEVS 55238
Tähtaeg: 2003-02-01
Identne IEC 60512-6-2:2002
ja identne EN 60512-6-2:2002
**Connectors for electronic equipment - Tests and measurements - Part 6-2: Dynamic stress tests - Test 6b: Bump**
Defines a standard test method to assess the ability of components (essentially connectors) to withstand specified severities of bump.
prEVS 55239
Tähtaeg: 2003-02-01
Identne IEC 60512-6-3:2002
ja identne EN 60512-6-3:2002
**Connectors for electronic equipment - Tests and measurements - Part 6-3: Dynamic stress tests - Test 6c: Shock**
Defines a standard test method to assess the ability of components (essentially connectors) to withstand specified severities of shock.
prEVS 55240
Tähtaeg: 2003-02-01
Identne IEC 60512-6-4:2002
ja identne EN 60512-6-4:2002
**Connectors for electronic equipment - Tests and measurements - Part 6-4: Dynamic stress tests - Test 6d: Vibration (sinusoidal)**
Defines a standard test method to assess the ability of components (essentially connectors) to withstand specified severities of sinusoidal vibration.
prEVS 55252
Tähtaeg: 2003-02-01
Identne IEC 61076-4-108:2002
ja identne EN 61076-4-108:2002
**IEC 61076-4-108: Connectors for electronic equipment - Part 4-108: Printed board connectors with assessed quality - Detail specification for cable-to-board connectors, with a modular pitch of 25 mm and integrated shielding function, applicable for transverse packing density of 15 mm, having a basic grid of 2,5 mm in accordance with IEC 60917-1**
This publication also bears the number QC 480301XX0009 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).
prEVS 55253
Tähtaeg: 2003-02-01
Identne IEC 61076-4-111:2002
ja identne EN 61076-4-111:2002
**Connectors for electronic equipment - Part 4-111: Printed board connectors with assessed quality - Detail specification for two-part power connector modules, for printed boards and backplanes having early mating features, and having a basic grid of 2,5 mm in accordance with IEC 60917-1**
This publication also bears the number QC 480301XX0012 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).
prEVS 55264
Tähtaeg: 2003-02-01
Identne IEC 60512-25-3:2001
ja identne EN 60512-25-3:2001
**Connectors for electronic equipment - Tests and measurements - Part 25-3: Test 25c - Rise time degradation**
Describes a method for measuring the effect a specimen has on the rise time of a signal passing through it.
prEVS 55265
Tähtaeg: 2003-02-01
Identne IEC 60512-25-4:2001
ja identne EN 60512-25-4:2001
**Connectors for electronic equipment - Tests and measurements - Part 25-4: Test 25d - Propagation delay**
Describes a method for measuring the time it takes for a digital signal to propagate from one specified point to a second specified point.
prEVS 55271
Tähtaeg: 2003-02-01
Identne IEC 61169-2:2001
ja identne EN 61169-2:2001
**Radio-frequency connectors - Part 2: Sectional specification - Radio frequency coaxial connectors of type 9,52**
A sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for RF coaxial connectors of type 9,52.
prEVS 55273
Tähtaeg: 2003-02-01
Identne IEC 61076-2-001:2001
ja identne EN 61076-2-001:2001
**Connectors for electronic equipment - Part 2-001: Circular connectors - Blank detail specification**
This publication also bears the number QC 480101 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).
prEVS 55368
Tähtaeg: 2003-02-01
Identne IEC 60603-7-1:2002
ja identne EN 60603-7-1:2002
**Connectors for electronic equipment - Part 7-1: Detail specification for 8-way, shielded free and fixed connectors with common mating features, with assessed quality**
This publication also bears the number QC 010000XX0004 which is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

prEVS 55463
Tähtaeg: 2003-02-01
Identne IEC 61169-24:2001
ja identne EN 61169-24:2001
**Radio-frequency connectors - Part 24: Sectional specification - Radio frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable distribution systems (type F)**
A sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for RF coaxial connectors with screw coupling, typically for use in 75 . cable distribution systems (type F).

## 31.220.20
## Lülitid

Switches

### UUED STANDARDID

**EVS-EN 196000:2002**
Hind 229,00
Identne EN 196000:1992+A1:2001
**Generic specification: electromechanical switches**
This generic specification relates to electromechanical switches intended primarily for use in telecommunications equipment and in electronic equipment employing similar techniques. It is limited toswitches with a rated voltage not exceeding 500 V (d.c or a.c. r.m.s.) and a rated carrying current not exceeding 25 A. It specifies the terms, definitions, symbols, test methods and other material necessary to prepare detail specifications for these components in the CECC System.

**EVS-EN 196103:2002**
Hind 179,00
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.

**EVS-EN 196403:2002**
Hind 179,00
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".)

**EVS-EN 196500:2002**
Hind 229,00
Identne EN 196500:1993+A1:2001
**Sectional specification: membrane switches including blank detail specification EN 196501**
This sectional specification applies to membrane switches of assessed quality. It contains detailed instructions for the preparation of detail specifications and describes the capability approval procedures for membrane switches and panels.

## 31.220.99
## Muud osad

Other electromechanical components

### UUED STANDARDID

**EVS-EN 129100:2002**
Hind 179,00
Identne EN 129100:1993
**Sectional specification: Wirewound surface mounting inductors**
This specification applies to wire wound fixed rectangular shaped surface mounting (SM) inductors with a magnetic or non-magnetic core for use in electronic equipment. These inductors are intended to be mounted directly onto substrates or boards by their terminations. It presribes preferred ratings and characteristics and selects from CECC 29000 (EN 129000:1993) the appropriate quality assessment procedures and measuring methods and gives general performance requirements for this type of inductor.

## 31.240
## Elektronseadmete mehaanilised osad

Mechanical structures for electronic equipment

### UUED STANDARDID

**EVS-EN 60917-1:2002**
Hind 212,00
Identne IEC 60917-1:1998+ A1:2000
ja identne EN 60917-1:1998+ A1:2000
**Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard**
This International Standard relates to equipment practices. The modular order isapplicable to the main structural dimensions of electronic equipmentmounted in various installations where dimensional interfaces have tobe considered. It refers to basic design parameters and is not intended to be used for manufacturing tolerances or clearances.

**EVS-EN 60917-2:2002**
Hind 212,00
Identne IEC 60917-2:1992
ja identne EN 60917-2:1994
**Modular order for the development of mechanical structures for electronic equipment practices - Part 2: Sectional specification - Interface co-ordination dimensions for the 25 mm equipment practice**
Defines a sectional specification for the mechanical structure of a 25 mm equipment practice to provide for dimensional compatibility at mechanical interfaces with related engineering applications. Specifies the co-ordination dimensions and pitches for cabinets, racks, subracks and chassis of all types used for electronic equipment.

**EVS-EN 61191-1:2002**
Hind 272,00
Identne IEC 61191-1:1998
ja identne EN 61191-1:1998
**Printed board assemblies - Part 1: Generic specification - Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies**
This specification prescribes requirements for materials, methods and verification criteria for producing quality soldered interconnections and assemblies using surface mounted and related assembly technologies. Also included are recommendations for good manufacturing processes.

**EVS-EN 61191-2:2002**
Hind 0,00
Identne IEC 61191-2:1998
ja identne EN 61191-2:1998
**Printed board assemblies -**

**Part 2: Sectional specification: Requirements for surface mount soldered assemblies**
Prescribes the requirements for surface mounted solder connections. The requirements pertain to those assemblies that are totally surface mounted or to the surface mounted portions of those assemblies that include other related technologies (e.g. through-hole, chip mounting, terminal mounting, etc.).

**EVS-EN 61191-3:2002**
Hind 170,00
Identne IEC 61191-3:1998
ja identne EN 61191-3:1998
**Printed board assemblies - Part 3: Sectional specification - Requirements for through-hole mount soldered assemblies**
This standard prescribes requirements for lead and hole solder assembly. The requirements pertain to those assemblies that are totally lead and hole, through-hole mounting technology (THT), or the THT portions of those assemblies that include other related technologies (i.e. surface mount, chip mounting, terminal mounting).

**EVS-EN 61191-4:2002**
Hind 179,00
Identne IEC 61191-4:1998
ja identne EN 61191-4:1998
**Printed board assemblies - Part 4: Sectional specification - Requirements for terminal soldered assemblies**
This standard prescribes requirements for terminal soldered assemblies. The requirements pertain to those assemblies that are totally terminal/wire interconnecting structures, or to the terminal/wire portions of those assemblies that include other related technologies (i.e. surface mount, chip mounting, terminal mounting).

**EVS-EN 61760-1:2002**
Hind 212,00
Identne IEC 61760-1:1998
ja identne EN 61760-1:1998
**Surface mounting technology. Part 1: Standard method for the specification of surface mounting components (SMDs)**
This International Standard gives a reference set of process conditions and related test conditions to be used when compiling component specifications. This standard applies to all electronic components covered by the IEC system which require an assessment with respect to their application to surface mounting.

**EVS-EN 60297-5-100:2002**
Hind 109,00
Identne IEC 60297-5-100:2001
ja identne EN 60297-5-100:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-100: Subracks and associated plug-in units; Design overview**
Gives a design overview of the related detail standards which will ensure dimensional interchangeability of subracks and associated plug-in units. The extended features contained in this standard may be referred to and/or implemented independently. Refer also to IEC 61587-1 and IEC/TS 61587-3.

**EVS-EN 60297-5-101:2002**
Hind 109,00
Identne IEC 60297-5-101:2001
ja identne EN 60297-5-101:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-101: Subracks and associated plug-in units; Injector/extractor handle**
Specifies dimensions which will ensure dimensional interchangeability of subracks and associated plug-in units using the extended features of a plug-in unit injector/extractor handle added to IEC 60297-3, IEC 60297-4 and IEC 60297-5-107.

**EVS-EN 60297-5-102:2002**
Hind 101,00
Identne IEC 60297-5-102:2001
ja identne EN 60297-5-102:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-102: Subracks and associated plug-in units; Electromagnetic shielding provision**
Specifies dimensions which will ensure dimensional interchangeability of subracks and associated plug-in units using the extended features of electromagnetic shielding protection added to IEC 60297-3, IEC 60297-4 and IEC 60297-5-107.

**EVS-EN 60297-5-103:2002**
Hind 101,00
Identne IEC 60297-5-103:2001
ja identne EN 60297-5-103:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-103: Subracks and associated plug-in units; Electrostatic discharge protection**
Specifies dimensions which will ensure dimensional interchangeability of subracks and associated plug-in units using the extended function of electrostatic discharge protection added to IEC 60297-3, IEC 60297-4 and IEC 60297-5-107.

**EVS-EN 60297-5-104:2002**
Hind 117,00
Identne IEC 60297-5-104:2001
ja identne EN 60297-5-104:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-104: Subracks and associated plug-in units; Keying**
Specifies dimensions which will ensure dimensional interchangeability of subracks and associated plug-in units using the extended feature of a retained keying method added to IEC 60297-3, IEC 60297-4 and IEC 60297-5-107.

**EVS-EN 60297-5-105:2002**
Hind 109,00
Identne IEC 60297-5-105:2001
ja identne EN 60297-5-105:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-105: Subracks and associated plug-in units; Alignment and/or earth pin**

Specifies dimensions which will ensure dimensional interchangeability of subracks and associated plug-in units using the extended function of an alignment and/or earth pin method added to IEC 60297-3, IEC 60297-4 and IEC 60297-5-107.

**EVS-EN 60297-5-107:2002**
Hind 126,00
Identne IEC 60297-5-107:2001
ja identne EN 60297-5-107:2001
**Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482, 6 mm (19 in) series - Part 5-107: Subracks and associated plug-in units; Rear mounted plug-in units**
Specifies dimensions which will ensure dimensional interchangeability of subracks and associated plug-in units using the extended function of rear subrack mounted plug-in units added to IEC 60297-3 and IEC 60297-4.

## 31.260 Optoelektroonika. Laserseadmed

Optoelectronics. Laser equipment

### UUED STANDARDID

**EVS-EN 61040:2002**
Hind 199,00
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.

**EVS-EN 61751:2002**
Hind 247,00
Identne IEC 61751:1998
ja identne EN 61751:1998
**Laser modules used for telecommunication - Reliability assessment**
This International Standard deals with reliability assessment of laser modules used for telecommunication. The aim of this standard is: - to establish a standard method of assessing the reliability of laser modules in order to minimize risks and to promote product development and reliability; - to establish means by which the distribution of failures with time can be determined. This should enable the determination of equipment failure rates for specified end of life criteria.

**EVS-EN 120008:2002**
Hind 101,00
Identne EN 120008:1993
**Blank detail specification: light emitting diodes and infrared emitting diodes for fibre optic system or sub-system**
Blank detail specification.

**EVS-EN 60904-6:2002**
Hind 146,00
Identne IEC 60904-6:1994+ A1:1998
ja identne EN 60904-6:1994+ A1:1998
**Photovoltaic devices - Part 6: Requirements for reference solar modules**
This part of IEC 904 gives requirements for the selection, packaging calibration, marking and care of reference solar modules. It is intended to supplement IEC 904-2.

**EVS-EN 60617-13:2002**
Hind 272,00
Identne IEC 60617-13:1993
ja identne EN 60617-13:1993
**Graphical symbols for diagrams - Part 13: Analogue elements**
Graphical symbols for diagrams. Analogue elements. General; qualifying symbols; amplifiers; function generators; co-ordinate converters; signal converters; electronic switches; coefficient scalar.

**EVS-EN 60747-5-1:2002**
Hind 272,00
Identne IEC 60747-5-1:1997+ A1:2001+A2:2002
ja identne EN 60747-5-1:2001+ A1:2002+A2:2002
**Discrete semiconductor devices and integrated circuits - Part 5-1: Optoelectronic devices; General**
Deals with the terminology relating to the semiconductor optoelectronic devices.

**EVS-EN 60747-5-2:2002**
Hind 212,00
Identne IEC 60747-5-2:1997
ja identne EN 60747-5-2:2001
**Discrete semiconductor devices and integrated circuits - Part 5-2: Optoelectronic devices - Essential ratings and characteristics**
Gives the essential ratings and characteristics of the following categories or subcategories of optoelectronic devices which are not intended to be used in the field of fibre optic systems or subsystems: Semiconductor photoemitters, semiconductor photoelectric detectors, semiconductor photosensitive devices, and semiconductor devices utilizing the optical radiation for internal operation.

**EVS-EN 60747-5-3:2002**
Hind 229,00
Identne IEC 60747-5-3:1997
ja identne EN 60747-5-3:2001
**Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices - Measuring methods**
Describes the measuring methods applicable to the optoelectronic devices which are not intended to be used in the fibre optic systems or subsystems.

**EVS-EN 60825-1:2001/A2:2002**
Hind 229,00
Identne IEC 60825-1:1993/ A2:2001
ja identne EN 60825-1:1994/ A2:2001
**Safety of laser products. Part 1: Equipment classification, requirements and user's guide**
Deals with the safety of laser products. Covers laser radiation in the wavelength range 180 mm to 1 mm, indicates safe working levels of laser radiation and introduces a system of classification of lasers and laser products according to their degree of hazard. Replaces IEC 825 (1984) and IEC 820 (1986).

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55331
Tähtaeg: 2003-02-01
Identne IEC 60825-1:1993/ A1:1997
ja identne EN 60825-1:1994/ A1:2002
**Safety of laser products. Part 1: Equipment classification, requirements and user's guide**
Deals with the safety of laser products. Covers laser radiation in the wavelength range 180 mm to 1 mm, indicates safe working levels of laser radiation and introduces a system of classification of lasers

and laser products according to their degree of hazard. Replaces IEC 825 (1984) and IEC 820 (1986).
prEVS 55339
Tähtaeg: 2003-02-01
Identne IEC 60825-4:1997/ A1:2002
ja identne EN 60825-4:1997/ A1:2002
**Safety of laser products - Part 4: Laser guards**
This standard specifies the requirements for Laser Guards, permanent and temporary (e.g. for service), that enclose the process zone of a Laser Processing Machine and specifications for Proprietary Laser Guards.
prEVS 55458
Tähtaeg: 2003-02-01
Identne IEC 60747-5-2:1997/ A1:2002
ja identne EN 60747-5-2:2001/ A1:2002
**Discrete semiconductor devices and integrated circuits - Part 5-2: Optoelectronic devices - Essential ratings and characteristics**
Gives the essential ratings and characteristics of the following categories or subcategories of optoelectronic devices which are not intended to be used in the field of fibre optic systems or subsystems: Semiconductor photoemitters, semiconductor photoelectric detectors, semiconductor photosensitive devices, and semiconductor devices utilizing the optical radiation for internal operation.
prEVS 55459
Tähtaeg: 2003-02-01
Identne IEC 60747-5-3:1997/ A1:2002
ja identne EN 60747-5-3:2001/ A1:2002
**Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices - Measuring methods**
Describes the measuring methods applicable to the optoelectronic devices which are not intended to be used in the fibre optic systems or subsystems.

## 33.040.20 Edastussüsteemid

Transmission systems

### UUED STANDARDID

**EVS-EN 50136-2-3:2002**
Hind 75,00
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.

**EVS-EN 50136-2-4:2002**
Hind 75,00
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 comminicators systems utilising the Public Switched Telephone Network which are in addition to those specified in EN 50136-2-1.

**EVS-ES 201168:2002**
Hind 283,00
Identne ES 201168:2000
**Kõnetöötlus, edastuse ja kvaliteedi aspektid. Digitaalsete PABXde edastuskarakteristikud ühendusteks privaatvõrkudesse, avalikkesse kommuteeritavatesse võrkudesse või IP-lüüsidesse**
See dokument kirjeldab edastusnõudeid digitaalsetele PABXdele (vahendusjaam, kodukeskjaam, Private Branch eXchange, PBX) (läbiva ühendusega telekommunikatsiooni seadmetele)

## 33.040.30 Lülitus- ja signaalsüsteemid

Switching and signalling systems

### UUED STANDARDID

**EVS-EN 50065-1:2002**
Hind 146,00
Identne EN 50065-1:2001
**Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 1: General requirements, frequency bands and electromagnetic disturbances**
This standard applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 kHz to transmit information on low-voltage electrical systems, either on the public supply system or within installations in consumers' premises.

**EVS-EN 50065-7:2002**
Hind 139,00
Identne EN 50065-7:2001
**Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148, 5 kHz - Part 7: Equipment impedance**
This standard applies to electrical equipment, excluding decoupling filters, using signals in the frequency range 3 kHz to 148,5 kHz for data transmission on low voltage electrical networks, either on the public supply network or within installations in consumers' premises.

**EVS-EN 50065-4-1:2002**
Hind 117,00
Identne EN 50065-4-1:2001
**Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148, 5 kHz - Part 4-1: Low voltage decoupling filters; Generic specification**
This standard applies to decoupling filters installed on the low voltage mains network and operating in the frequency range 3 kHz to 148,5 kHz on low voltage mains network.

**EVS-EN 50065-4-2:2002**
Hind 163,00
Identne EN 50065-4-2:2001

**Signalling on low voltage electrical installations in the frequency range 3 kHz to 148, 5 kHz - Part 4-2: Low-voltage decoupling filters; Safety requirements**
This product safety standard applies to electrical equipment, such as decoupling filters and phase couplers in a mains communication system for a phase to neutral voltage not exceeding AC 250 V and a nominal current not exceeding 125 A, intended for household and similar fixed-electrical installations including residential, commercial and light industrial buildings

## 33.040.50
## Liinid, ühendused, vooluahelad

Lines, connections and circuits

### UUED STANDARDID

**EVS-EN 50173:2002**
Hind 259,00
Identne EN 50173:1995+A1:2000
**Information technology - Generic cabling systems**
This European Standard specifies generic cabling for use wtihin commercial premises which may comprise single or multiple buildings on a campus. It covers balanced copper cabling and optical fibre cabling.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55095
Tähtaeg: 2003-02-01
Identne IEC 62056-61:2002
ja identne EN 62056-61:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 61: Object identification system (OBIS)**
The OBject Identification System (OBIS) defines the identification codes (ID-codes) for commonly used data items in electricity metering equipment. This part of IEC 62056 specifies the overall structure of the identification system and the mapping of all data items to their identification codes.
prEVS 55096
Tähtaeg: 2003-02-01
Identne IEC 62056-62:2002
ja identne EN 62056-62:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 62: Interface classes**
Specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object oriented methods, in the form of interface classes to model meters from simple up to very complex functionality.

## 33.060.01
## Raadioside üldiselt

Radiocommunications in general

### UUED STANDARDID

**EVS-EN 60872-2:2002**
Hind 190,00
Identne IEC 60872-2:1999
ja identne EN 60872-2:1999
**Maritime navigation and radiocommunication equipment and systems - Radar plotting aids - Part 2: Automatic tracking aids (ATA) - Methods of testing and required test results**
This International Standard specifies the minimum performance requirements, technical characteristics, methods of testing and test results required by IMO Resolution MSC,64(67) Annex 4. This standard takes account of IMO Resolution A.694 and is associated with IEC 945. When a requirement in this standard is different from IEC 945, the requirement in this standard shall take precedence. Equipment intended for use on high speed craft (HSC) shall additionally satisfy the requirements of the HSC scenarios as defined in IEC 60936-2 annex D.

**EVS-EN 60936-1:2002**
Hind 247,00
Identne IEC 60936-1:1999
ja identne EN 60936-1:2000
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 1: Shipborne radar - Performance requirements - Methods of test and required test results**
This International Standard specifies the minimum performance requirements, methods of testing and required test results for conformance to performance standards not inferior to those required by IMO resolution MSC.64(67), Annex 4, Radar. In addition it takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirements of this standard is different from IEC 60945, the requirement in this standard shall take precedence. This standard does not include the optional performance requirements for superimposition of selected parts of SENC information. These are specified in IEC 60936-3 - Radar with chart facilities.

**EVS-EN 60936-2:2002**
Hind 247,00
Identne IEC 60936-2:1998
ja identne EN 60936-2:1999
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 2: Shipborne radar for high speed craft (HSC) - Methods of testing and required test results**
This International standard specifies the minimum operational and performance requirements, methods of testing and required test results as required by IMO resolution A.820 and Chapter X of the high speed craft (HSC) code. It complies with the requirements of 13.13 of the HSC code and incorporates applicable parts of 13.5 of the HCS code on radar installations. In addition it takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirement in this standard is different from IEC 60945, the requirements in this standard takes precedence.

**EVS-EN 61162-1:2002**
Hind 259,00
Identne IEC 61162-1:2000
ja identne EN 61162-1:2000
**Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners**

This part of IEC 1162 contains the requirements for data communication between maritime electronic instruments, navigation and radiocommunication equipment when interconnected via an appropriate system. This standard is intended to support one-way serial data transmission from a single talker to one or more listeners. This is data in printable ASCII form and may include information such as position, speed, depth, frequency allocation, ect.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55358
Tähtaeg: 2003-02-01
Identne IEC 60936-1:1999/ A1:2002
ja identne EN 60936-1:2000/ A1:2002
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 1: Shipborne radar - Performance requirements - Methods of test and required test results**
This International Standard specifies the minimum performance requirements, methods of testing and required test results for conformance to performance standards not inferior to those required by IMO resolution MSC.64(67), Annex 4, Radar. In addition it takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirements of this standard is different from IEC 60945, the requirement in this standard shall take precedence. This standard does not include the optional performance requirements for superimposition of selected parts of SENC information. These are specified in IEC 60936-3 - Radar with chart facilities.

## 33.060.20 Vastuvõtu- ja saateseadmed

Receiving and transmitting equipment

## UUED STANDARDID

**EVS-EN 60244-1:2002**
Hind 259,00
Identne IEC 60244-1:1999
ja identne EN 60244-1:2000
**Methods of measurement for radiotransmitters. Part 1: General characteristics for broadcast transmitters**
The scope of this standard is to standardise the conditions and methods of measurement to be used to ascertain the performance of a broadcast transmitter and to make possible the comparison of the results of measurements made by different observers.

**EVS-EN 60244-5:2002**
Hind 381,00
Identne IEC 60244-5:1992
ja identne EN 60244-5:1994
**Methods of measurement for radio transmitters - Part 5: Performance characteristics of television transmitters**
Intended for type tests and acceptance and factory tests. The performance characteristics measured in accordance with this standard make it possible to compare the results of measurements made by different observers.

**EVS-EN 60244-8:2002**
Hind 247,00
Identne IEC 60244-8:1993
ja identne EN 60244-8:1994
**Methods of measurement for radio transmitters - Part 8: Performance characteristics of vestigial-sideband demodulators used for testing television transmitters and transposers**
To be used for type tests and acceptance or factory tests or to check the characteristics of a demodulator measuring television transmitters and transposers.

**EVS-EN 60244-9:2002**
Hind 295,00
Identne IEC 60244-9:1993
ja identne EN 60244-9:1994
**Methods of measurement for radio transmitters - Part 9: Performance characteristics for television transposers**
Assesses the perfomance characteristics of television transposers. Enables the comparison of the results of measurements made by different observers.

**EVS-EN 61079-1:2002**
Hind 0,00
Identne IEC 61079-1:1992
ja identne EN 61079-1:1993
**Methods of measurement on receivers for satellite broadcast transmissions in the 12 GHz band - Part 1: Radio-frequency measurements on outdoor units**
This standard applies to the conditions and methods of measurement of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit for direct reception of satellite broadcast transmissions in the 12 GHz band.

**EVS-EN 61079-2:2002**
Hind 283,00
Identne IEC 61079-2:1992
ja identne EN 61079-2:1993
**Methods of measurement on receivers for satellite broadcast transmission in the 12 GHz band - Part 2: Electrical measurements on DBS tuner units**
This standard applies to the conditions and methods of measurement of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit for direct reception of satellite broadcast transmissions in the 12 GHz band.

**EVS-EN 61079-3:2002**
Hind 229,00
Identne IEC 61079-3:1993
ja identne EN 61079-3:1993
**Methods of measurements on receivers for satellite broadcast transmissions in the 12 GHz band - Part 3: Electrical measurements of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit**
This standard applies to the conditions and methods of measurement of overall performance of receiver systems comprising an outdoor unit and a DBS tuner unit for direct reception of satellite broadcast transmissions in the 12 GHz band.

**EVS-EN 61079-5:2002**
Hind 348,00
Identne IEC 61079-5:1993
ja identne EN 61079-5:1993
**Methods of measurement on receivers for satellite broadcast transmissions in the 12 GHz band - Part 5: Electrical measurements on decoder units for MAC/Packet systems**
This standard defines the conditions and methods of measurement to be applied to MAC/packet decoder units.

**EVS-EN 61097-1:2002**
Hind 212,00
Identne IEC 61097-1:1992
ja identne EN 61097-1:1993
**Global maritime distress and safety system (GMDSS) - Part 1: Radar transponder - Marine search and rescue (SART) - Operational and performance requirements, methods of testing and required test results**
Specifies the performance standards and type testing of marine radar transponders used in search and rescue operations at sea (SART), as required by the relevant regulations of the international SOLAS convention. Is associated with IEC 936 and IEC 945.

**EVS-EN 61114-1:2002**
Hind 272,00
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.

**EVS-EN 60244-10:2002**
Hind 295,00
Identne IEC 60244-10:1986
ja identne EN 60244-10:1993
**Methods of measurement for radio transmitters; part 10: methods of measurement for television transmitters and transposers employing insertion test signals**
Applies to television transmitters and transposers operating in accordance with television systems for monochrome and colour transmission employing 625 or 525 lines as described in CCIR publications. Deals with the application of insertion test signal measurement to television transmitters and transposers. This method of measurement is useful for checking the line time performance of the transmitters or transposers during programme service and provides a convenient method of testing transmission performance stability during acceptance tests. May also be used as an alternative means of carrying out some of the line time measurements described in IEC 60244-5 and 60244-9.

**EVS-EN 60244-11:2002**
Hind 229,00
Identne IEC 60244-11:1989
ja identne EN 60244-11:1993
**Methods of measurement for radio transmitters; part 11: transposers for FM sound broadcasting**
Applies to transposers operating in accordance with CCIR Recommendation 450 for FM sound broadcasting at VHF, including stereophony. Also covers requirements for other multiplexed subcarrier services. Lays down detailed methods of measurements, selected and recommended for assessing the essential performance and general characteristics of FM sound broadcasting transposers.

**EVS-EN 60244-13:2002**
Hind 272,00
Identne IEC 60244-13:1991
ja identne EN 60244-13:1993
**Methods of measurement for radio transmitters; part 13: performance characteristics for FM sound broadcasting**
Intended to be used for type tests and acceptance or factory tests.

**EVS-EN 60244-14:2002**
Hind 212,00
Identne IEC 60244-14:1997
ja identne EN 60244-14:1997
**Methods of measurement for radio transmitters - Part 14: External intermodulation products caused by two or more transmitters using the same or adjacent antennas**
This part of IEC 60244 details a measurement method for external intermodulation products (intermodulation components) caused by two or more transmitters using the same or adjacent antennas. It describes recommended methods of assessing the performance of radio broadcast transmitters.

**EVS-EN 60244-15:2002**
Hind 212,00
Identne IEC 60244-15:1999
ja identne EN 60244-15:2000
**Methods of measurement for radio transmitters. Part 15: Amplitude modulated transmitters for sound broadcasting**
This part of IEC 244 contains the methods of measurement to assess the performance characteristics of amplitude modulated transmitters for sound broadcasting in the LF, MF and HF bands.This standard is intended to be used for type tests and acceptance or factory tests.

**EVS-EN 60244-12-1:2002**
Hind 229,00
Identne IEC 60244-12-1:1989
ja identne EN 60244-12-1:1993
**Methods of measurement for radio transmitters; part 12: guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting; characteristics to be specified**
Applies to manufacturers' descriptive leaflets providing information on transmitters and transposers for sound and television broadcasting. Lays down uniform methods of expressing the performance characteristics of transmitters and transposers for sound and television broadcasting. Lists the essential characteristics and technical information needed for the appraisal and comparison of equipment. Provides, where appropriate, cross-references to standardized methods of measurement for the performance characteristics listed.

**EVS-EN 60244-12-2:2002**
Hind 179,00
Identne IEC 60244-12-2:1989
ja identne EN 60244-12-2:1993
**Methods of measurement for radio transmitters; part 12: guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting; specification sheets**
Contains the specification sheets described in IEC 60244-12-1.

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prEVS 32695
Tähtaeg: 2003-02-01
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**
This part of IEC 61114 applies to individual and collective receiving antennas for satelllite broadcast transmissions in the 11/12 GHz band.

## 33.060.30 Raadioreleeliinid ja statsionaarsed satelliitsidesüsteemid

Radio relay and fixed satellite communications systems

## UUED STANDARDID.

**EVS-EN 60315-9:2002**
Hind 170,00
Identne IEC 60315-9:1996
ja identne EN 60315-9:1996
**Methods of measurement on radio receivers for various classes of emission - Part 9: Measurement of the characteristics relevant to radio data system (RDS) reception**
This part of IEC 315 specifies the conditions, characteristics and methods of measurement to be used to determine the RDS reception characteristics of a sound-broadcasting receiver, so as to make possible the comparison of results of measurements made by different observers. Performance requirements (limit values for the characteristics required for acceptable RDS performance) are not specified. The methods of measurement are conceived for determining the overall performance of the receiver, without attempting to study its functional units separately.

**EVS-EN 61108-1:2002**
Hind 190,00
Identne IEC 61108-1:1996
ja identne EN 61108-1:1996
**Global navigation satellite systems (GNSS) - Part 1: Global positioning system (GPS) - Receiver equipment - Performance standards, methods of testing and required test results**
This International Standard specifies the minimum performance standards, methods of testing and required test results for GPS shipborne receiver equipment, based upon IMO Resolution A.819(19), which uses the signals from the USA, Department of Defense (US DOD), Global Positioning System (GPS) in order to determine position. It is assumed that Selective Availability (SA), as defined in the GPS Standard Positioning Service (SPS) signal specification, is activated.

**EVS-EN 60835-1-1:2002**
Hind 199,00
Identne IEC 60835-1-1:1990
ja identne EN 60835-1-1:1992
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 1: General**
The conditions of measurement and the methods of measuring the characteristics given in this part of the standard are common to terrestrial radio-relay and satellite earth station systems using digital modulation. These test methods are general and are applicable to systems of all capacities and the tests to be made should be agreed between the parties concerned.

**EVS-EN 60835-1-2:2002**
Hind 247,00
Identne IEC 60835-1-2:1992 + A1:1995
ja identne EN 60835-1-2:1993 + A1:1995
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 2: Basic characteristics**
Deals with the measurement of basic characteristics common to terrestrial radio-relay systems and satellite earth stations. These basic characteristics apply to all of the frequency ranges employed in the radio systems.

**EVS-EN 60835-2-1:2002**
Hind 83,00
Identne IEC 60835-2-1:1990
ja identne EN 60835-2-1:1992
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 1: General**
This part of the standard, which is supplementary to Part 1, IEC 835-1-1, describes methods of measurement applicable to terrestrial radio-relay systems using digital modulation.

**EVS-EN 60835-2-2:2002**
Hind 229,00
Identne IEC 60835-2-2:1994
ja identne EN 60835-2-2:1994
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 2: Antenna**
This section of IEC 835-2 gives methods of measurement of the electrical characteristics of antennas used in terrestrial radio-relay systems at frequencies above 1 GHz.

**EVS-EN 60835-2-3:2002**
Hind 130,00
Identne IEC 60835-2-3:1992
ja identne EN 60835-2-3:1993
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 3: RF branching networks**
Deals with methods of measurement for branching networks used in digital radio-relay systems.

**EVS-EN 60835-2-5:2002**
Hind 229,00
Identne IEC 60835-2-5:1993
ja identne EN 60835-2-5:1995
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 5: Digital signal processing sub-system**
Deals with the methods of measurement on a digital radio signal processing sub-system.

**EVS-EN 60835-2-7:2002**
Hind 247,00
Identne IEC 60835-2-7:1994
ja identne EN 60835-2-7:1994
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 7: Diversity switching and combining equipment**
This section of IEC 835-2 deals with measurements for diversity equipment used in digital microwave systems. For the purpose of this section, diversity equipment is assumed to consist of the circuits for switching and/or combining the diversity channels, excluding the channel equipment itself, i.e transmitters, receivers, modulators demodulators, etc.

although these may also be involved in the measurements.

**EVS-EN 60835-3-1:2002**
Hind 83,00
Identne IEC 60835-3-1:1990
ja identne EN 60835-3-1:1992
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section one: General**
Describes measurements for satellite earth stations. Should be used in conjunction with IEC 835-1-1.

**EVS-EN 60835-3-5:2002**
Hind 212,00
Identne IEC 60835-3-5:1994
ja identne EN 60835-3-5:1994
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 5: Up and down converters**
This section of IEC 835-3 describes methods of measurement of the electrical characteristics of up-converters and down-converters used in satellite earth station transmitters and receivers with digital modulation.

**EVS-EN 60835-3-6:2002**
Hind 146,00
Identne IEC 60835-3-6:1996
ja identne EN 60835-3-6:1996
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 6: High power amplifiers**
This section of IEC 835-3 defines and describes the measurements normally carried out on high-power amplifiers used in satellite earth station transmitters.

**EVS-EN 60835-2-10:2002**
Hind 163,00
Identne IEC 60835-2-10:1992
ja identne EN 60835-2-10:1993
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section ten: Overall system performance**
Deals with measurements to be carried out during factory acceptance tests and type approval tests on a complete simulated digital radio-relay system, following tests on the individual parts of the system.

**EVS-EN 60835-2-11:2002**
Hind 190,00
Identne IEC 60835-2-11:1996
ja identne EN 60835-2-11:1997
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 11: Cross-polarization interference canceller**
This section of IEC 835-2 deals with measurement for cross-polarization interference cancellers (XPIC) used in digital microwave radio-relay systems.

**EVS-EN 60835-3-10:2002**
Hind 212,00
Identne IEC 60835-3-10:1994
ja identne EN 60835-3-10:1994
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 10: Terminal equipment TDMA traffic earth station**
Deals with methods of measurment on Time Division Multiple Access (TDMA) terminal equipment. There are various types of TDMA systems which may differ, for instance, in the bit rate, the frame/burst format, and/or the acquisition and synchronisation scheme. The methods of measurement are described as generally as possible so that they may be applicable to various TDMA terminal equipment used in many international and regional satellite systems.

**EVS-EN 60835-3-13:2002**
Hind 190,00
Identne IEC 60835-3-13:1996
ja identne EN 60835-3-13:1996
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 13: VSAT systems**
This section of IEC 835-3 deals with measurement methods applicable to very small aperture terminals (VSATs) of data transmit/receive type both in the star network (many VSATs controlled by the hub earth station) and in the point to point network. Some clauses may also be applicable to the receive-only type VSATs. This section does not handle the measurements of the hub earth stations' equipment.

**EVS-EN 60835-3-14:2002**
Hind 139,00
Identne IEC 60835-3-14:1996
ja identne EN 60835-3-14:1996
**Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 14: Earth stations for satellite news gathering (SNG)**
This section of IEC 835-3 deals with measurement methods applicable to satellite news gathering (SNG) terminals.

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prEVS 55303
Tähtaeg: 2003-02-01
Identne HD 477.2.6 S1:1987
**Methods of measurement for equipment used in terrestrial radio-relay systems - Part 2: Measurement for sub-systems - Section six - diversity. Twin-path and not stand-by equipment**
Methods of measurement for equipment used in terrestrial radio-relay systems - Twin-path and not stand-by equipment
prEVS 55333
Tähtaeg: 2003-02-01
Identne IEC 60945:2002
ja identne EN 60945:2002
**Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results**
This International Standard assists in meeting a requirement of the International Convention for Safety of Life at Sea (SOLAS), adopted by the International Maritime Organization (IMO), that the radio equipment defined in chapters III and IV, and the navigation equipment defined in chapter V of the Convention, be type-approved by administrations to conform with performance

standards not inferior to those adopted by the IMO.

## 33.060.40 Kaabeljaotussüsteemid

Cabled distribution systems

### UUED STANDARDID

**EVS-EN 50080:2002**
Hind 75,00
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.

**EVS-EN 50083-3:2002**
Hind 212,00
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

**EVS-EN 50083-5:2002**
Hind 212,00
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.

**EVS-EN 50083-9:2002**
Hind 212,00
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

**EVS-EN 50098-1:2002**
Hind 0,00
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 premisis cabling for the connection of basic access ISDN equipment.

**EVS-EN 50083-10:2002**
Hind 163,00
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.

**EVS-EN 50083-7:1999/A1:2002**
Hind 117,00
Identne EN 50083-7:1996/ A1:2000
**Cabled distribution systems for television and sound signals - Part 7: System performance**
This standard is applicable to any distribution system (including individual receiving systems) having a coaxial cable output and primarily intended for television and sound signals operating between about 30 MHz and 1750 MHz. This standard lays down the basic methods of measurement of the operational characteristics of cabled distribution systems having coaxial cable outputs in order to assess the performance of those systems and their performance limits.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55391
Tähtaeg: 2003-02-01
Identne EN 50083-8:2002
**Cable networks for television signals, sound signals and interactive services - Part 8: Electromagnetic compatibility for networks**
This standard for electromagnetic compatibility for installations applies to cabled distribution systems for television, sound and interactive multimedia signals (with the wording "systems" in the sence of the scope of CLC/TC 109) and covers the frequency range 0,3 MHz - 3,0 GHz.

## 33.060.99 Muud raadioside seadmed

Other equipment for radiocommunications

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55304
Tähtaeg: 2003-02-01
Identne IEC 489-6:1987 + A1:1989
ja identne HD 466.6 S2:1992
**Methods of measurement for radio equipment used in the mobile services - Part 6: Selective-calling and data equipment**
Methods of measurement for radio equipment used in the mobile services - selective-calling and data equipment

## 33.070.01
## mobiilside üldiselt

Mobile services in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55139
Tähtaeg: 2003-02-01
Identne EN 50383:2002
**Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations and fixed terminal stations for wireless telecommunication systems (110 MHz - 40 GHz)**
This clause describes the procedure to calculate, at points of investigation (POI), the electromagnetic field components and/or power density, radiated by an antenna
prEVS 55142
Tähtaeg: 2003-02-01
Identne EN 50384:2002
**Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz) Occupational**
This product standard applies to radio base stations and fixed terminal stations for wireless telecommunication systems as defined in Clause 3, operating in the frequency range 110 MHz to 40 GHz
prEVS 55145
Tähtaeg: 2003-02-01
Identne EN 50385:2002
**Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz) - General public**
This product standard applies to radio base stations and fixed terminal stations for wireless telecommunication systems as defined in Clause 3, operating in the frequency range 110 MHz to 40 GHz

## 33.080
## Integraalteenustega digitaalvõrk (ISDN)

Integrated Services Digital Network (ISDN)

### UUED STANDARDID

**EVS-EN 50098-1:2002**
Hind 0,00
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 premisis cabling for the connection of basic access ISDN equipment.

**EVS-EN 50098-2:2002**
Hind 92,00
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.

## 33.100
## Elektromagnetiline ühilduvus

Electromagnetic compatibility (EMC)

### UUED STANDARDID

**EVS-EN 55013:2002**
Hind 229,00
Identne CISPR 13:2001
ja identne EN 55013:2001
**Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement**
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.

**EVS-EN 55015:2002**
Hind 283,00
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.

**EVS-EN 132400:2002**
Hind 338,00
Identne EN 132400:1994+A2,A3,A4:2001
**Sectional Specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (Assessment level D)**
This specification applies to fixed capasitors and resistor-capasitor combinations for electromagnetic inteference suppression (formerly called radio inteference suppression) for use within, or associated with, electronic or electrical apparatus and machines where the capacitors will be connected to a mains supply with a voltage not exceeding 500 V d.c. or 500 V a.c. (r.m.s.) between conductors or 250 V d.c. or 250 V a.c. (r.m.s.) between any one conductor and earth and with a freguency not exceeding 100 Hz.

**EVS-EN 133200:2002**
Hind 179,00
Identne EN 133200:1999

**Sectional Specification: Passive filter units for electromagnetic interference suppression (Filters for which safety tests are required)**
This specification applies to passive filter units for electromagnetic interference suppression which fall within the scope of the Generic Specification EN 133 000. The scope of this specification is restricted to passive filter units for which safety tests are appropriate. This implies that filters specified according to this specification will either be connected to mains supplies, when compliance with the mandatory tests of Table 2 is necessary, or used in other circuit positions where the equipment specification prescribes that some or all of these safety tests are required.

**EVS-EN 133201:2002**
Hind 109,00
Identne EN 133201:1998
**Blank Detail Specification: Passive filter units for electromagnetic interference suppression. Filters for which safety tests are required**
The numbes in square brackets correspond to the following indications which should be given.

**EVS-EN 133221:2002**
Hind 101,00
Identne EN 133221:1998
**Blank Detail Specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required (safety tests only)**
This blank detail specification forms the basis for a uniform procedure for a common European Safety Mark. It implements the approval schedule for safety test in EN 133200, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the declared design.

**EVS-EN 60118-13:2002**
Hind 155,00
Identne IEC 60118-13:1997
ja identne EN 60118-13:1997
**Hearing aids - Part 13: Electromagnetic compatibility (EMC)**
This International standard covers all relevant EMC-phenomena for hearing aids. It specifies measurement methods and acceptance levels for hearing aid immunity to high frequency electromagnetic fields originating from digital telephone systems as specified in IEC 61000-4-3. Measurement methods for hearing aids with non-acoustic outputs and for hearing aids connected to other equipment by cables are not given in this standard.

**EVS-EN 61000-2-9:2002**
Hind 212,00
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.

**EVS-EN 61000-5-5:2002**
Hind 247,00
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.

**EVS-EN 61000-4-15:2002**
Hind 199,00
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.

**EVS-EN 61000-4-16:2002**
Hind 212,00
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.

**EVS-EN 61000-4-24:2002**
Hind 139,00
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.

## 33.100.01 Elektromagnetiline ühilduvus üldiselt

Electromagnetic compatibility in general

## UUED STANDARDID

**EVS-EN 55011:2001**
Hind 272,00
Identne CISPR 11 (ed 3.1):1999
ja identne EN 55011:1998 + A1:1999
**Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characterisitcs - Limits and methods of measurement**
The limits and methods of measurement laid down in this International Standard apply to industrial, scientific and medical (ISM) equipment as defiend in clause 2, and to spark erosion equipment.

**EVS-EN 61000-4-1:2002**
Hind 170,00
Identne IEC 61000-4-1:2000
ja identne EN 61000-4-1:2000
**Electromagnetic compatibility (EMC) - Part 4-1: Testing and measurement techniques - Overview of IEC 61000-4 series**
This part of IEC 61000-4 is a basic EMC (electromagnetic compatibility) publication. The part 4 series covers testing and measurement techniques for electric and electronic equipment (apparatus and systems) in its electromagnetic environment. The object of this part is to give applicability assistance to the technical committees of IEC or other bodies, users and manufactures of electrical and electronic equipment on EMC standards within IEC 61000 Part 4 series on testing and measurement techniques.

**EVS-EN 61000-5-7:2002**
Hind 212,00
Identne IEC 61000-5-7:2001
ja identne EN 61000-5-7:2001
**Electromagnetic compatibility (EMC) - Part 5-7: Installation and mitigation guidelines; Degrees of protection by enclosures against electromagnetic disturbances (EM code)**
This document specifies electromagnetic shielding marking and performance requirements and test methods for all empty cabinets, subracks and chassis as defined in the IEC 60917 and IEC 61000 series standards, for frequencies between 10 kHz and 40 GHz. The purpose of this standard is to provide a repeatable means for evaluating the electromagnetic shielding performance of empty mechanical enclosures, including cabinets and subracks.

**EVS-EN 61000-2-10:2002**
Hind 259,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 15667
Tähtaeg: 2003-03-01
Identne EN 619:2002
**Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of unit loads**
This European standard deals with the technical requirements to minimise the hazards listed in clause 4 and annex B. These hazards can arise during the operation and maintenance of continuous handling equipment and systems when carried out in accordance with the specifications given by the manufacturer or his authorised representative. This standard deals with safety related technical verification during commissioning
prEVS 27310
Tähtaeg: 2003-02-01
Identne IEC 61000-2-2:2002
ja identne EN 61000-2-2:2002
**Electromagnetic compatibility (EMC) - Part 2-2: Environment - Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems**
This standard is concerned with conducted disturbances in the frequency range from 0 kHz to 9 kHz, with an extension up to 148,5 kHz specifically for mains signalling systems. It gives compatibility levels for public low voltage a.c. distribution systems having a nominal voltage up to 420 V, single-phase or 690 V, three-phase and a nominal frequency of 50 Hz or 60 Hz. Compatibility levels are specified for electromagnetic disturbances of the types which can be expected in public low voltage power supply systems, for guidance in: - the limits to be set for disturbance emission into public power supply systems; - the immunity limits to be set by product committees and others for the equipment exposed to the conducted disturbances present in public power supply systems.
prEVS 55216
Tähtaeg: 2003-02-01
Identne IEC 61000-5-7:2001
ja identne EN 61000-5-7:2001
**Electromagnetic compatibility (EMC) - Part 5-7: Installation and mitigation guidelines - Degrees of protection provided by enclosures against electromagnetic disturbances (EM code)**
Describes performance requirements, test methods and classification procedures for degrees of protection provided by empty enclosures against electromagnetic disturbances for frequencies between 10 kHz and 40 GHz. The shielding protection is measured for
prEVS 55447
Tähtaeg: 2003-02-01
Identne CISPR 11:1997/A2:2002
ja identne EN 55011:1998/A2:2002
**Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characterisitcs - Limits and methods of measurement**
The limits and methods of measurement laid down in this International Standard apply to industrial, scientific and medical (ISM) equipment as defiend in clause 2, and to spark erosion equipment.

## 33.100.10
## Kiirgus

Emission

## UUED STANDARDID

**EVS-EN 55011:2001**
Hind 272,00
Identne CISPR 11 (ed 3.1):1999
ja identne EN 55011:1998 + A1:1999
**Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characterisitcs - Limits and methods of measurement**
The limits and methods of measurement laid down in this International Standard apply to industrial, scientific and medical (ISM) equipment as defiend in clause 2, and to spark erosion equipment.

**EVS-EN 55012:2002**
Hind 283,00
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.

**EVS-EN 55014-1:2002**
Hind 316,00
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 raidio-frequency disturbances from appliances whose main functions are performed by motors and switching or regulating devices.

**EVS-EN 60601-1-2:2002**
Hind 272,00
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**
Käesolev standard rakendub elektrilistele meditsiiniseadmetele, elektrilistele meditsiinisüsteemidele, elektrilistes meditsiinisüsteemides kasutatavatele infotehnoloogiaseadmetele ning kõigile teistele seadmetele, mis moodustavad osa elektrilisest meditsiinisüsteemist

**EVS-EN 61000-2-4:2002**
Hind 272,00
Identne IEC 61000-2-4:2002
ja identne EN 61000-2-4:2002
**Electromagnetic compatibility (EMC) - Part 2-4: Environment - 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.

**EVS-EN 61000-3-2:2002**
Hind 229,00
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 currrent 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).

**EVS-EN 61000-4-7:2002**
Hind 179,00
Identne IEC 61000-4-7:2002
ja identne EN 61000-4-7:2002
**Elektromagnetiline ühilduvus (EMÜ). Osa 4: Katse- ja mõõtetehnika. Jagu 7: Toitesüsteemide ja nendega ühendatud seadmestiku harmooniliste ja vaheharmooniliste mõõtmiste ja mõõteaparatuuri üldjuhend**
Käesolev juhend on rakendatav mõõteaparatuurile, mis on ette nähtud toitesageduslikule pinge-le või voolule liitunud pinge- või voolukomponentide mõõtmiseks sagedus-piirkonnas alaliskomponendist kuni 2500 Hz. Samuti on käesolev standard rakendatav mõõteaparatuurile, mis on ette nähtud nii sead-mestiku üksikdetailide katsetamiseks vastavalt standardites antud lubatud häirijaemissiooninivoodele (näiteks IEC 555-2 antud vooluharmooniliste piiridele) kui ka pinge- ja vooluharmooniliste mõõtmiseks tegelikes toitesüsteemides. Erilist tähelepanu on pööratud harmooni-liste kontrolltõõtmisele tugevvoolu toitesüsteemides. Häirijaemissioonikatse mõõtmisprotseduure ja katsetingimusi selles juhendis ei käsitleta: need nõuded sisalduvad eristandardis. Tähelepanu on koondatud peamiselt toitesageduse harmoonilistele, kuid võidakse mõõta ka teiste sagedustega (vahe-sageduslikke) komponente.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55447
Tähtaeg: 2003-02-01
Identne CISPR 11:1997/A2:2002
ja identne EN 55011:1998/A2:2002

**Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characterisitcs - Limits and methods of measurement**
The limits and methods of measurement laid down in this International Standard apply to industrial, scientific and medical (ISM) equipment as defiend in clause 2, and to spark erosion equipment.

## 33.100.20
## Immuunsus

## Immunity

## UUED STANDARDID

**EVS-EN 133100:2002**
Hind 179,00
Identne EN 133100:1998
**Sectional Specification: Passive filter units for electromagnetic interference suppression. Filter for which safety tests are note required**
This specification applies to passive filter units for electromagnetic interference suppression which fall within the scope of the Generic Specification, EN 133000.The scope of this specification is restricted to passive filter units for which safety tests are not appropriate. This implies that filters specified according to this specification will not be connected to mains supplies that such tests are required.

**EVS-EN 133101:2002**
Hind 101,00
Identne EN 133101:1998
**Blank Detail Specification: Passive filter units for electromagnetic interference suppression. Filters for which safety test are not required**
Blank detail specification.

**EVS-EN 138121:2002**
Hind 92,00
Identne EN 138121:2001
**Blank detail specification: Fixed inductors for electromagnetic interference suppression - Inductors for which safety tests are required (safety tests only)**
This blank detail specification forms the basis of a uniform procedure for a common European Mark. It implements the approval schedule for safety test in EN 138100, requires a declaration of design for parameters relevant to safety and prescribes conformance tests to be conducted on every lot prior to its release and requalification tests depending on changes of the design.

**EVS-EN 60601-1-2:2002**
Hind 272,00
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**
Käesolev standard rakendub elektrilistele meditsiiniseadmetele, elektrilistele meditsiinisüsteemidele, elektrilistes meditsiinisüsteemides kasutatavatele infotehnoloogiaseadmetele ning kõigile teistele seadmetele, mis moodustavad osa elektrilisest meditsiinisüsteemist

**EVS-EN 61000-2-4:2002**
Hind 272,00
Identne IEC 61000-2-4:2002
ja identne EN 61000-2-4:2002
**Electromagnetic compatibility (EMC) - Part 2-4: Environment - 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.

**EVS-EN 61000-4-1:2002**
Hind 170,00
Identne IEC 61000-4-1:2000
ja identne EN 61000-4-1:2000
**Electromagnetic compatibility (EMC) - Part 4-1: Testing and measurement techniques - Overview of IEC 61000-4 series**
This part of IEC 61000-4 is a basic EMC (electromagnetic compatibility) publication. The part 4 series covers testing and measurement techniques for electric and electronic equipment (apparatus and systems) in its electromagnetic environment. The object of this part is to give applicability assistance to the technical committees of IEC or other bodies, users and manufactures of electrical and electronic equipment on EMC standards within IEC 61000 Part 4 series on testing and measurement techniques.

**EVS-EN 61000-4-3:2002**
Hind 272,00
Identne IEC 61000-4-3:2002
ja identne EN 61000-4-3:2002
**Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test**
This section of IEC 1000-4 is applicable to the immunity of electrical and electronic equipment of radiated electromagnetic energy. It establishes test levels and the required test procedures.

**EVS-EN 61000-4-7:2002**
Hind 179,00
Identne IEC 61000-4-7:2002
ja identne EN 61000-4-7:2002
**Elektromagnetiline ühilduvus (EMÜ). Osa 4: Katse- ja mõõtetehnika. Jagu 7: Toitesüsteemide ja nendega ühendatud seadmestiku harmooniliste ja vaheharmooniliste mõõtmiste ja mõõteaparatuuri üldjuhend**
Käesolev juhend on rakendatav mõõteaparatuurile, mis on ette nähtud toitesageduslikule pinge-le või voolule liitunud pinge- või voolukomponentide mõõtmiseks sagedus-piirkonnas alaliskomponendist kuni 2500 Hz. Samuti on käesolev standard rakendatav mõõteaparatuurile, mis on ette nähtud nii sead-mestiku üksikdetailide katsetamiseks vastavalt standardites antud lubatud häirijaemissiooninivoodele (näiteks IEC 555-2 antud vooluharmooniliste piiridele) kui ka pinge- ja vooluharmooniliste mõõtmiseks tegelikes toitesüsteemides. Erilist tähelepanu on pööratud harmooni-liste kontrolltõõtmisele tugevvoolu toitesüsteemides.

Häirijaemissioonikatse mõõtmisprotseduure ja katsetingimusi selles juhendis ei käsitleta: need nõuded sisalduvad eristandardis. Tähelepanu on koondatud peamiselt toitesageduse harmoonilistele, kuid võidakse mõõta ka teiste sagedustega (vahe-sageduslikke) komponente.

**EVS-EN 61000-4-8:2002**
Hind 272,00
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.

**EVS-EN 61000-4-9:2002**
Hind 272,00
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.

**EVS-EN 61000-6-2:2002**
Hind 170,00
Identne IEC 61000-6-2:1999
ja identne EN 61000-6-2:2001
**Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments**
This part of IEC 61000 for EMC immunity requirements applies to electrical and electronic apparatus intended for use in the industrial environment, as described in Clause 4, for which no dedicated product or product-family immunity standard exists.

**EVS-EN 61000-4-10:2002**
Hind 272,00
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.

**EVS-EN 61000-4-11:2002**
Hind 229,00
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.

**EVS-EN 61000-4-14:2002**
Hind 170,00
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 consideres 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.

**EVS-EN 61000-4-17:2002**
Hind 163,00
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

**EVS-EN 61000-4-27:2002**
Hind 190,00
Identne IEC 61000-4-27:2000
ja identne EN 61000-4-27:2000
**Electromagnetic compatibility (EMC) - Part 4-27: Testing and measurement techniques - Unbalance, immunity test**
This section of IEC 61000, is a basic EMC (ElectroMagnetic Compatibility) publication. It considers immunity tests for electric and/or electronic equipment (apparatus and system) in its electromagnetic environment. Only conducted phenomena are considered, including immunity tests for equipment connected to public, and industrial networks.

**EVS-EN 61000-4-28:2002**
Hind 155,00
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.

**EVS-EN 61000-4-29:2002**
Hind 179,00
Identne IEC 61000-4-29:2000
ja identne EN 61000-4-29:2000

**Electromagnetic Compatibility (EMC) - Part 4-29: Testing and measurement techniques; Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests**
This part of IEC 61000 defines the test methods for immunity to voltage dips, short interruptions and voltage variations at the d.c. input power port of electrical or electronic equipment. This standard is applicable to low voltage d.c. power ports of equipment supplied by external d.c. networks. The object of this standard is to establish a common and reproducible basis for testing electrical and electronic equipment when subjected to voltage dips, short interruptions or voltage variations on d.c. input power ports.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55242
Tähtaeg: 2003-02-01
Identne IEC 61000-4-13:2002
ja identne EN 61000-4-13:2002
**Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests**
Defines the immunity test methods and range of recommended basic test levels for electrical and electronic equipment with rated current up to 16 A per phase at disturbance frequencies up to and including 2 kHz (for 50 Hz mains) and 2,4 kHz (for 60 Hz mains) for harmonics and interharmonics on low voltage power networks. Establishes a common reference for evaluating the functional immunity of electrical and electronic equipment when subjected to harmonics and inter-harmonics and mains signalling frequencies. The test method documented in this part of IEC 61000 describes a consistent method to assess the immunity of an equipment or system against a defined phenomenon.
prEVS 55370
Tähtaeg: 2003-02-01
Identne IEC 61000-4-3:2002/ A1:2002
ja identne EN 61000-4-3:2002/ A1:2002
**Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test**
This section of IEC 1000-4 is applicable to the immunity of electrical and electronic equipment of radiated electromagnetic energy. It establishes test levels and the required test procedures.

## 33.100.99 Elektromagnetilise ühilduvusega seonduvad muud küsimused

Other aspects related to EMC

## UUED STANDARDID

**EVS-EN 61000-4-23:2002**
Hind 338,00
Identne IEC 61000-4-23:2000
ja identne EN 61000-4-23:2000
**Electromagnetic compatibility (EMC) - Part 4-23: Testing and measurement techniques - Test methods for protective devices for HEMP and other radiated disturbance**
In this International Standard, the basis reasons behind HEMP testing are discussed and a brief description of the most important concepts for shielding element testing is summarised. For each test, the following basic information is provided: - theoretical foundation of the test (the test concept); - test set-up; - required equipment; - test procedures, - data processing. This International Standard does not provide information on requirements for specific levels for testing.

## 33.120.10 Koaksiaalkaablid. Lainejuhid

Coaxial cables. Waveguides

## UUED STANDARDID

**EVS-EN 61726:2002**
Hind 190,00
Identne IEC 61726:1999
ja identne EN 61726:2000
**Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method.**
Describes the reverbation chamber method, sometimes named mode stirred chamber, suitable for virtually any type of microwave component and having no theoretical upper limit. It is only limited toward low frequencies by the size of the test equipment. This publication has the status of a Technical Report - type 3.

**EVS-EN 50117-1:2002**
Hind 101,00
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.

**EVS-EN 50117-3:2002**
Hind 75,00
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.

**EVS-EN 50117-4:2002**
Hind 75,00
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.

**EVS-EN 50117-5:2002**
Hind 75,00
Identne EN 50117-5:1997

**Coaxial cables used in cabled distribution networks Part 5: Sectional specification for indoor drop cables for use in networks operating at frequencies between 5 MHz and 2150 MHz**
This Sectional Specification applies to drop cables for indoor applications in networks (e.g. SMATV) whose frequency of operation is within the range 5 MHz - 2150 MHz

**EVS-EN 50117-6:2002**
Hind 75,00
Identne EN 50117-6:1997
**Coaxial cables used in cabled distribution networks. Part 6: Sectional specification for outdoor drop cables for use in networks operating at frequencies between 5 MHz and 2150 MHz**
This Sectional Specification applies to drop cables for outdoor applications in networks (e.g. SMATV) whose frequency of operation is within the range 5 MHz - 2150 MHz

**EVS-EN 60154-2:2002**
Hind 247,00
Identne IEC 60154-2:1980+ A1:1997
ja identne EN 60154-2:1997+ A1:1997
**Flanges for waveguides - Part 2:Relevant specifications for flanges for ordinary rectangular waveguides**
This standard relates to the dimensions of waveguide flanges for use in electronic equipment. It covers requirements for flanges drilled before or after mounting on waveguides. It should be noted that for optimum electrical performance, post-drilling of the alignment holes after mounting is recommended.

**EVS-EN 60966-1:2002**
Hind 283,00
Identne IEC 60966-1:1999
ja identne EN 60966-1:1999
**Radio frequency and coaxial cables assemblies - Part 1: Generic specification - General requirements and test methods**
Establishes uniform requirements for testing the electrical, mechanical and climatic properties of r.f. and coxial cable assemblies composed of cables and connectors operating in the transverse electromagnetic mode (TEM).

**EVS-EN 61196-3:2002**
Hind 170,00
Identne IEC 61196-3:1998
ja identne EN 61196-3:1998
**Radio frequency cables - Part 3: Sectional specification for coaxial cables for local area networks**
This sectional specification specifies requirements for radio frequency coaxial cables for local area networks. The object of this sectional specification is to prescribe recommended ratings and characteristics and to select from the generic specification the appropriate quality assesment procedures, test and measuring methods, and to give a general performance requirements for coaxial cables for local area networks plus complementary test methods.

**EVS-EN 61935-1:2002**
Hind 295,00
Identne IEC 61935-1:2000
ja identne EN 61935-1:2000
**Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801 - Part 1: Installed cabling**
This document, IEC 61935-1, has two objectives. First, it specifies reference measurement procedures for cabling parameters identified in ISO/IEC 11801. Secondly, it specifies requirements for field tester accuracy to measure cabling parameters identified in ISO/IEC 11801. This document presumes that the cable assemblies are made of cables complying with IEC 1156-1 and IEC 1156-2, IEC 1156-3, IEC 1156-4 respectively and connecting hardware as specified in IEC 603-7 or IEC 807-8. In case where cables and or connectors do not comply respectively with these standards additional test may be required.

**EVS-EN 50289-3-7:2002**
Hind 66,00
Identne EN 50289-3-7:2001
**Communication cables - Specifications for test methods - Part 3-7: Mechanical test methods - Abrasion resistance of the cable sheath**
This Part 3-7 of EN 50289 specifies the method of test to determine the ability of the sheath of a finished cable used in analogue and digital communication systems to withstand abrasion. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-3-8:2002**
Hind 66,00
Identne EN 50289-3-8:2001
**Communication cables - Specifications for test methods - Part 3-8: Mechanical test methods - Abrasion resistance of cable sheath markings**
This Part 3-8 of EN 50289 details the method of test to determine the ability of the sheath markings of a finished cable used in analogue and digital communication systems to withstand abrasion. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-3-9:2002**
Hind 126,00
Identne EN 50289-3-9:2001
**Communication cables - Specifications for test methods - Part 3-9: Mechanical test methods - Bending tests**
This Part 3-9 of EN 50289 specifies the method of test to - determine the ability of a finished cable used in analogue and digital communications systems to withstand - bending around a test mandrel (clause 4); - repeated bending (clause 5); - flexing in service (clause 6); - repeated flexing in service (clause 7); - bending around rollers or bows during installation (clause 8); and - measure the stiffness (clause 9) of such a table. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 60966-2-3:2002**
Hind 83,00
Identne IEC 60966-2-3:1996
ja identne EN 60966-2-3:1999
**Radio frequency and coaxial cable assemblies - Part 2-3: Detail specification for flexible coaxial cable assemblies**

This detail specification relates to the sub-family of flexible coaxial cables and BNC connector assemblies. This detail specification should be used together with IEC 966-2-1 and IEC 966-1

**EVS-EN 60966-2-4:2002**
Hind 83,00
Identne IEC 60966-2-4:1997
ja identne EN 60966-2-4:1997
**Radio frequency and coaxial cable assemblies - Part 2-4: Detail specification for cable assemblies for radio and TV receivers (Frequency range 0 to 3000 MHz, IEC 60169-2 connectors)**
This detail specification relates to cable assemblies for radio and TV receivers, and in particular to the cable subfamily 9.52. This detail specification should be used together with IEC 60966-1:1988, IEC 60966-2-1:1991 and IEC 60966-2-2:1992.

**EVS-EN 60966-2-5:2002**
Hind 101,00
Identne IEC 60966-2-5:1998
ja identne EN 60966-2-5:1999
**Radio frequency and coaxial cable assemblies - Part 2-5: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 to 1000 MHz, IEC 60169-2 connectors**
This detail specification relates to cable assemblies for radio and TV receivers, and in particular to the cable sub-family 9.52.

**EVS-EN 60966-2-6:2002**
Hind 101,00
Identne IEC 60966-2-6:1998
ja identne EN 60966-2-6:1999
**Radio frequency and coaxial cable assemblies - Part 2-6: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 to 3000 MHz, IEC 60169-24 connectors**
This detail specification relates to cable assemblies for radio and TV receivers, and in particular to the cable sub-family type F.

**EVS-EN 60966-3-2:2002**
Hind 92,00
Identne IEC 60966-3-2:1996
ja identne EN 60966-3-2:1999
**Radio-frequency and coaxial cable assemblies - Part 3-2: Detail specification for semi-flexible coaxial cable assemblies for GSM use (0,8 GHz - 1 GHz)**
This detail specification relates to the sub-family of coaxial cables and connector assemblies operating in the frequency range of GSM (0,8 GHz - 1 GHz) This detail specification should be used together with IEC 966-3 and IEC 966-1

**EVS-EN 61196-3-2:2002**
Hind 92,00
Identne IEC 61196-3-2:1997
ja identne EN 61196-3-2:1997
**Radio frequency cables - Part 3-2: Coaxial cables for digital communication in horizontal floor wiring - Detail specification for coaxial cables with solid dielectric for local area networks of 185 m reach and up to 10 Mb/s**
This sectional specification specifies requirements for coaxial cables for local area networks. It is intended to be used with the generic specification, IEC 1196-1. The object of this sectional specification is to prescribe recommended ratings and characteristics and to select from the generic specification the appropriate quality assesment procedures, test and measuring methods, and to give a general performance requirements for semi-rigid coaxial cables plus complementary test methods.

**EVS-EN 61196-3-3:2002**
Hind 92,00
Identne IEC 61196-3-3:1997
ja identne EN 61196-3-3:1997
**Radio frequency cables - Part 3-3: Coaxial cables for digital communication in horizontal floor wiring - Detail specification for coaxial cables with foamed dielectric for local area networks of 185 m reach and up to 10 Mb/s**
This sectional specification specifies requirements for coaxial cables for local area networks. It is intended to be used with the generic specification, IEC 1196-1. The object of this sectional specification is to prescribe recommended ratings and characteristics and to select from the generic specification the appropriate quality assesment procedures, test and measuring methods, and to give general performance requirements for semi-rigid coaxial cables plus complementary test methods.

**EVS-EN 50289-3-11:2002**
Hind 66,00
Identne EN 50289-3-11:2001
**Communication cables - Specifications for test methods - Part 3-11: Mechanical test methods - Cable cut-through resistance**
This Part 3-11 of EN 50289 details the method of test to determine the cut-through resistance of the sheath of a finished cable used in analogue and digital communication systems. It is to be read in conjunction with Part 3-11 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-3-12:2002**
Hind 66,00
Identne EN 50289-3-12:2001
**Communication cables - Specifications for test methods - Part 3-12: Mechnical test methods; Shot gun damage**
This Part 3-12 of EN 50289 details the method of test to determine the ability of a cable used in analogue and digital communication systems to withstand shot-gun damage. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

**EVS-EN 50289-3-16:2002**
Hind 66,00
Identne EN 50289-3-16:2001
**Communication cables - Specifications for test methods - Part 3-16: Mechanical test methods - Cable tensile performance**
This Part 3-16 of EN 50289 specifies the method of test to determine the ability of a finished cable used in analogue and digital communication systems to withstand a tensile load. It is to be read in conjunction with Part 3-1 of EN 50289, which contains essential provisions for its application.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55097
Tähtaeg: 2003-02-01
Identne EN 50117-2-1:2002
**Coaxial cables Part 2-1: Sectional specifiction for cables used in cabled distribution networks -Indoor drop cables for systems operating at 5 MHz - 1 000 MHz**

This European standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This standard applies to indoor drop cables for use in cabled distribution systems operating at temperatures between -40 C and 70 C and at frequencies between 5MHz and 1000 MHz and complying with the requirements of EN 50083

prEVS 55355
Tähtaeg: 2003-02-01
Identne EN 50117-3-1:2002
**Coaxial cables - Part 3-1: Sectional specifications for cables used in Telecom applications -Miniaturized cables used in digital communication systems**
This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This standard applies to single and/or multiple miniaturised coaxial cables used in digital communication systems on the Telecom applications. The cables covered by this standard are used for the internal wiring of and interconnection between switching-, transmission-, multiplexing- and cross-connect equipment and for the connections to the digital distribution frame. These coaxial cables are designed for the transmission of E1 (2 Mbit/s), E2 (8 Mbit/s), E3 (34 Mbit/s), E4 (140 Mbit/s), STM (155 Mbit/s), DS1 (1,5 Mbit/s), DS2 (6 Mbit/s) and DS3 (34 Mbit/s) signals.

## 33.120.30 Raadiosagedusliitmikud

R.F. connectors

## UUED STANDARDID

**EVS-EN 61726:2002**
Hind 190,00
Identne IEC 61726:1999
ja identne EN 61726:2000
**Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method.**
Describes the reverbation chamber method, sometimes named mode stirred chamber, suitable for virtually any type of microwave component and having no theoretical upper limit. It is only limited toward low frequencies by the size of the test equipment. This publication has the status of a Technical Report - type 3.

**EVS-EN 122001:2002**
Hind 109,00
Identne EN 122001:1993
**Blank detail specification: CECC military specification for radio frequency connectors [type MIL-C-39012]**
This general Blank Detail Specification was prepared by wg22 in conjunction with MUAHAG to meet the need for European produced r.f. connectors covered by approval and quality assessment procedures equivalent to those in MIL-C-39012 but using IEC test methods wherever possible.

**EVS-EN 122002:2002**
Hind 126,00
Identne EN 122002:1993
**Blank detail specification: radio frequency coaxial connectors**
Blank detail specification.

**EVS-EN 122110:2002**
Hind 155,00
Identne EN 122110:1993
**Sectional specification: radio frequency coaxial connectors; series SMA**
This sectional specification applies to miniature screw-coupled coaxial connectors, Series SMA. It prescribes mating-face dimensions for general purpose connectors and standard test connectors, Grade O, together with gauging information. It also indicates recommended performance characteristics to be considered when writing detail specifications, and covers the test schedules and inspection requirements for Assessment Level M, H and U.

**EVS-EN 122140:2002**
Hind 146,00
Identne EN 122140:1993
**Sectional specification: radio frequency coaxial connectors; series SMC**
This sectional specification (SS) provides information and rules for the preparation of detail specifications (DS) for miniature screw-coupled coaxial connectors Series SMC.

**EVS-EN 122170:2002**
Hind 146,00
Identne EN 122170:1993
**Sectional specification: radio frequency coaxial connectors; series SSMB**
This sectional specification (SS) provides information and rules the preparation of detail specifications (DS) for miniature snap-on coaxial connectors Series SSMB.

**EVS-EN 122200:2002**
Hind 170,00
Identne EN 122200:1994
**Sectional specification: radio frequency coaxial connectors; series TNC**
This sectional specification (SS) provides information and rules for the preparation of detail specification (DS) for screw-coupled coaxial connectors Series TNC.

**EVS-EN 60169-21:2002**
Hind 190,00
Identne IEC 60169-21:1985 + A1:1996
ja identne EN 60169-21:1997
**Radio-frequency connectors - Part 21: Two types of radio-frequency connectors with inner diameter of outer conductor 9,5 mm (0,374 in) with different versions of screw coupling - Characteristic impedance 50 ohms (types SC-A and SC-B)**
This specification standardizes the interface and ratings of two versions of a medium size r.f. connector for use with flexible and semi-rigid cables.The connectors are recommended to be utilized in medium power and low reflection applications up to 11 GHz.The dielectric filled interface is especially beneficial in applications involving severe environmental exposure.

**EVS-EN 60169-23:2002**
Hind 130,00
Identne IEC 60169-23:1991
ja identne EN 60169-23:1993
**Radio-frequency connectors; part 23: pin and socket connector for use with 3, 5 mm rigid precision coaxial lines with inner diameter of outer conductor 3, 5 mm (0, 1378 in)**
Covers a precision pin and socket connector for use with 3,5 mm rigid precision coaxial lines so as to minimize test apparatus errors attributable to coaxial connectors. These connectors are constructed so as to affix on the 50 ohm, 3,5 mm rigid precision coaxial line described in IEC 60457-5, and to provide low reflection to 34 GHz.

**EVS-EN 60169-24:2002**
Hind 117,00
Identne IEC 60169-24:1991

ja identne EN 60169-24:1993
**Radio-frequency connectors - Part 24: Radio-frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable distribution systems (Type F)**
This standard specifies radio-frequency coaxial connectors which are typically for use in 75 ohm cable distribution systems with a variety of flexible cables, but which may also be used in both matched and unmatched applications. These connectors are in general intended for permanent mounting and for use with infrequent engagement and seperation. This standard only specifies interface dimensions

**EVS-EN 60169-25:2002**
Hind 126,00
Identne IEC 60169-25:1992
ja identne EN 60169-25:1993
**Radio-frequency connectors; part 25: two-pole screw (3/4-20 UNEF) coupled connectors for use with shielded balanced cables having twin inner conductors with inner diameter of outer conductor 13, 56 mm (0, 534 in) (type TWHN)**
Shielded balanced cables having twin inner conductors are being used extensively in data processing systems. These cables are used to interconnect parts of computer systems which feature 2-pole screw (3/4-20 UNEF) coupled connectors having an inner diameter of outer conductor (IDOC) of 13,56 mm (0,534 in).

**EVS-EN 61169-31:2002**
Hind 199,00
Identne IEC 61169-31:1999
ja identne EN 61169-31:1999
**R.F. connectors. Part 31: R.F. coaxial connectors with inner diameter of outer conductor 1,0 mm (0,039 in) with screw coupling - Characteristics impedance 50 ohms (Type 1,0)**
This specification standardizes the interfaces and ratings of the Type 1,0 R.F. connectors of 50 ohms impedance and having a screw coupling mechanism. These connectors are recommended for use with semi-rigid and flexible cable and in microwave applications requiring high performance. These connectors have an operating frequency range of up to 110 GHz.

**EVS-EN 61169-32:2002**
Hind 199,00
Identne IEC 61169-32:1999
ja identne EN 61169-32:1999
**R.F. connectors. Part 32: R.F. coaxial connectors with inner diameter of outer conductor 1,85 mm (0,072 in) with screw coupling - Characteristics impedance 50 ohms (Type 1,85)**
This specification standardizes the interfaces and ratings of the Type 1,85 R.F. connectors of 50 ohms impedance and having a screw coupling mechanism.These connectors are recommended for use with semi-rigid and flexible cable and in microwave applications requiring high performance. These connectors have an operating frequency range of up to 65 GHz.

**EVS-EN 61169-33:2002**
Hind 212,00
Identne IEC 61169-33:1996
ja identne EN 61169-33:1997
**Radio-frequency connectors - Part 33: Sectional specification for series BMA r.f. connectors**
Series BMA connectors have a characteristic impedance of 50 ohm and are normally used for blind-entry low-power microwave applications in conjunction with flexible and semi-rigid cables having a dielectric diameter of up to 3,00 mm. The connectors are usable up to a frequency of at least 18 GHz.

**EVS-EN 61169-36:2002**
Hind 212,00
Identne IEC 61169-36:1996
ja identne EN 61169-36:1997
**Radio-frequency connectors - Part 36: Sectional specification for microminiature r.f. coaxial connectors with snap-on coupling - Characteristic impedance 50 ohm (type MCX)**
This part of IEC 169 concerns microminiature coaxial connectors for use with flexible and semi-rigid r.f. cables (96 IEC 50-1-... and 96 IEC 50-2-...). These connectors have a snap-on coupling mechanism 50 ohms impedance, an operating frequency range at 3 GHz and are known commercially as MCX connectors.

**EVS-EN 61169-1-1:2002**
Hind 170,00
Identne IEC 61169-1-1:1996
ja identne EN 61169-1-1:1997
**Radio-frequency connectors - Part 1-1. Single, multi-series, dual-language blank detail specification**
This standard relates to connectors for r.f. transmission lines for use in telecommunications, electronic and similar equipment

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55189
Tähtaeg: 2003-02-01
Identne EN 122120:1993
**Sectional Specification: Radio Frequency Coaxial Connectors. Series B**
Sectional Specification: Radio Frequency Coaxial Connectors. Series BNC
prEVS 55190
Tähtaeg: 2003-02-01
Identne EN 122130:1993
**Sectional Specification: radio frequency Coaxial Connectors. Series SMB**
Sectional Specification: Radio Frequency Coaxial Connectors. Series SMB
prEVS 55192
Tähtaeg: 2003-02-01
Identne EN 122160:1993
**Sectional Specification: Radio Frequency Coaxial Connectors. Series SSMA**
Sectional Specification: Radio Frequency Coaxial Connectors. Series SSMA
prEVS 55193
Tähtaeg: 2003-02-01
Identne EN 122180:1993
**Sectional Specification: Radio Frequency Coaxial Connectors. Series SSMC**
This sectorial specification (SS) provides information and rules for the preparation of detailed specifications (DS) for coaxial connectors Series SSMC
prEVS 55194
Tähtaeg: 2003-02-01
Identne EN 122190:1994
**Sectional Specification: Radio Frequency Coaxial Connectors. Series 7-16**
Sectorial specifications: Radio Frequency Coaxial Connectors. Series 7-16
prEVS 55197
Tähtaeg: 2003-02-01
Identne EN 122150:1993
**Sectional Specification: Radio Frequency Coaxial Connectors. Series EIA Flange**
Sectional Specification: Radio Frequency Coaxial Connectors. Series EIA Flange

## 33.120.40
## Antennid

Aerials

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55309
Tähtaeg: 2003-02-01
Identne IEC 597-4:1983
ja identne HD 95.4 S1:1986
**Aeriala for the reception of sound and television broadcasting in the frquency range 30 MHz to 1 GHz - Part 4: Guide for the preparation of aerial performance specifications - Detailed specification sheet format**
Aeriala for the reception of sound and television broadcasting in the frquency range 30 MHz to 1 GHz. Guide for the preparation of aerial performance specifications - Detailed specification sheet format

## 33.160
## Audio- ja videoseadmed ning -süsteemid

Audio, video and audiovisual engineering

### UUED STANDARDID

**EVS-EN 61030:2002**
Hind 247,00
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.

## 33.160.01
## Audio- ja videoseadmed ning -süsteemid üldiselt

Audio, video and audiovisual systems in general

### UUED STANDARDID

**EVS-EN 60933-4:2002**
Hind 109,00
Identne IEC 60933-4:1994
ja identne EN 60933-4:1994
**Audio, video and audiovisual systems - Interconnections and matching values - Part 4: Connector and cordset for domestic digital bus (D2B)**
This International Standard deals with the application of a connector and cordset for transmitting domestic digital bus (D2B) control data signals independently from other (audio and video) signals.

**EVS-EN 60958-1:2002**
Hind 155,00
Identne IEC 60958-1:1999
ja identne EN 60958-1:2000
**Digital audio interface - Part 1: General**
This standard describes a serial, unidirectional, self-clocking interface for the interconnection of digital audio equipment for consumer and professional applications, using linear PCM coded audio samples.This document provides the basic structure of the interface. Separate documents define application specific items. In all cases, the clock references and auxiliary information are transmitted along with the programme.

**EVS-EN 60958-3:2002**
Hind 272,00
Identne IEC 60958-3:1999
ja identne EN 60958-3:2000
**Digital audio interface - Part 3: Consumer applications**
This standard describes an application of a serial, uni-directional, self-clocking interface as defined in part 1, for the interconnection of digital audio equipment for professional applications. When used in a consumer digital processing environment, the interface is primarily intended to carry stereophonic programmes, with a resolution of up to 20 bits per sample, an extension to 24 bits per sample being possible.

**EVS-EN 60958-4:2002**
Hind 179,00
Identne IEC 60958-4:1999
ja identne EN 60958-4:2000
**Digital audio interface - Part 4: Professional applications**
This standard describes an application of a serial, uni-directional, self-clocking interface as defined in part 1, for the interconnection of digital audio equipment for professional applications. In both cases, the clock references and auxiliary information are transmitted along with the programme. Provision is also made to allow the interface to carry data related to computer software.

**EVS-EN 61834-2:2002**
Hind 381,00
Identne IEC 61834-2:1998
ja identne EN 61834-2:1998
**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 2: SD format for 525-60 and 625-50 systems**
This part of IEC 61834 specifies the content, format and recording method of the data blocks forming the helical records on the tape containing audio, video, and system data. It describes the specifications for the 525-line system with a frame frequency of 29,97 Hz and 625-line system with a frame frequncy of 25,00 Hz, which are not included in Part 1.

**EVS-EN 60268-16:2002**
Hind 212,00
Identne IEC 60268-16:1998
ja identne EN 60268-16:1998
**Sound system equipment - Part 16: Objective rating of speech intelligibility by speech transmission index**
This part of IEC 60268 concerns objective methods for rating the transmission quality of speech with respect to intelligibility. The three methods, which are closely related are referred to as the "STI" the "STITEL" and the "RASTI" methods. The methods are intended for rating speech transmission with or without sound systems. A survey of other methods of determining speech intelligibility is also included, together with a method of correlating the results of different methods of determination.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55112
Tähtaeg: 2003-02-01
Identne IEC 61937-7:2002
ja identne EN 61937-7:2002

**Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 7: Non-linear PCM bitstreams according to the ATRAC and ATRAC2/3 formats**
Specifies the method for the digital audio interface specified in IEC 60958 to convey non-linear PCM bitstreams encoded in accordance with the ATRAC and ATRAC2/3 formats.

## 33.160.10 Võimendid

### Amplifiers

### UUED STANDARDID

**EVS-EN 60268-3:2002**
Hind 295,00
Identne IEC 60268-3:2000
ja identne EN 60268-3:2000
**Sound System Equipment - Part 3: Amplifiers**
This standard applies to analogue amplifiers, and the analogue parts of analogue/digital amplifiers, which form part of a sound system for professional or household applications. It specifies the charateristics which should be included in specifications of amplifiers and the corresponding methods of measurements. It is intended to be used in conjunction with: IEC 60268-1 (1985): Sound system equipment - Part 1: General, IEC 60268-2 (1987) and IEC 60268-2 Am 1 (1991): Sound system equipment - Part 2: Explanation of general terms and calculation methods.

## 33.160.20 Raadiovastuvõtjad

### Radio receivers

### UUED STANDARDID

**EVS-EN 50094:2002**
Hind 348,00
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.

**EVS-EN 50201:2002**
Hind 139,00
Identne EN 50201:2001
**Interfaces for DVB-IRD**
This specification is an applicable standard identifying which can be selected for interconnections of digital video broadcast (DVB) equipment. The document identifies interface options, none of which are mandatory. If certain options is supported however, then the specification of that option must be followed. Interfaces not mentioned in this document are not to be excluded.

**EVS-EN 50203:2002**
Hind 155,00
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.

**EVS-EN 50248:2002**
Hind 146,00
Identne EN 50248:2001
**Characteristics of DAB receivers**
This standard describes the DAB (Digital Audio Broadcasting) receiver characteristics for consumer equipment intended for terrestrial and cable reception operating in band III and L- band and for satellite reception in L-band. Dedicated receivers for specific applications are not within the mandate of this standard

**EVS-EN 50255:2002**
Hind 130,00
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.

**EVS-EN 50256:2002**
Hind 83,00
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.

**EVS-EN 55013:2002**
Hind 229,00
Identne CISPR 13:2001
ja identne EN 55013:2001
**Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement**
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.

**EVS-EN 55020:2002**
Hind 316,00
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.

**EVS-EN 60107-1:2002**
Hind 456,00
Identne IEC 60107-1:1997
ja identne EN 60107-1:1997
**Methods of measurement on receivers for television broadcast transmissions - Part 1: General considerations - Measurements at radio and video frequencies**
This part of IEC 60107 deals with the standard conditions and methods of measurement on television receivers that conform to the terrestrial broadcast television standards specified by the ITU-R (former C.C.I.R) Such receivers

may be used for direct off air reception, reception via cabled networks or as a monitor for prerecorded video, home movies and games among other applications. This part does not include the measurements specific to the sound channels, which are dealt with by other parts: IEC 60107-2, 60107-3 60107-4, 60107-5. Measurements for the non-broadcast signals see 60107-6.

**EVS-EN 60107-2:2002**
Hind 212,00
Identne IEC 60107-2:1997
ja identne EN 60107-2:1997
**Methods of measurement on receivers for television broadcast transmissions - Part 2: Audio channels - General methods and methods for monophonic channels**
This part of IEC 60107 deals with the general methods of measurement of the audio channels of receivers for monophonic systems and multichannel sound systems. General conditions for the measurements are specified in IEC 60107-1 and the measurements specific to the multichannel sound systems are dealt with by IEC 60107-3, IEC 60107-4 and IEC 60107-5. Measurements for non-broadcast signals are dealt with by IEC 60107-6.

**EVS-EN 60107-7:2002**
Hind 306,00
Identne IEC 60107-7:1997
ja identne EN 60107-7:1997
**Methods of measurement on receivers for television - Part 7: HDTV displays**
This part of IEC 60107 deals with the standard conditions and methods of measurement on high definition television (HDTV) displays. Such displays may be used as an integral part of an HDTV receiver for direct off air reception, reception via cabled networks or as a monitor for pre-recorded video, home movies and games among other applications

**EVS-EN 60107-8:2002**
Hind 272,00
Identne IEC 60107-8:1997
ja identne EN 60107-8:1997
**Recommended methods of measurement on receivers for television broadcast transmissions - Part 8: Measurement on D2-MAC/packet equipment**
The object of this part of IEC 60107 is to define quality parameters and to provide a guideline for measurement on D2-MAC/packet equipments, under uniform and repetitive conditions. The D2-MAC/packet process is specified in EBU SPB 489. The specifications of the limit values of the various parameters of the equipment are outside the scope of this standard; however theoretical curves and references are provided which could be used as a guide for presentation of measurement results.

**EVS-EN 60315-3:2002**
Hind 295,00
Identne IEC 60315-3:1989+ corr:1994+A1:1999
ja identne EN 60315-3:1999+ A1:1999
**Methods of measurement on radio receivers for various classes of emission - Part 3: Receivers for amplitude-modulated sound-broadcasting emissions**
The standard applies to radio receivers for the reception of amplitude-modulated sound broadcasting emissions. Deals mainly with measurements using radio-frequency signals applied to the antenna terminals of the receiver, or induced in a magnetic antenna.

**EVS-EN 60315-4:2002**
Hind 316,00
Identne IEC 60315-4:1997
ja identne EN 60315-4:1998
**Methods of measurement on radio receivers for various classes of emission - Part 4: Receivers for frequency-modulated sound broadcasting emissions**
This part of IEC 60315 applies to radio receivers and tuners for the reception of frequency-modulated sound-broadcasting emissions with rated maximum system deviations of ±75 kHz and ±50 kHz in ITU Band 8. It deals mainly with methods of measurement using radio-frequency signals applied to the antenna terminals of the receiver. The measurements and specified conditions of test are selected to permit the comparison of results obtained by different observers and on other receivers. Performance requirements are not specified in this standard.

**EVS-EN 60730-1:2001/A11:2002**
Hind 49,00
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

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55188
Tähtaeg: 2003-02-01
Identne IEC 62216-1:2001
ja identne EN 62216-1:2002
**Digital terrestrial television receivers for the DVB-T system - Part 1: Baseline receiver specification**
Specifies the baseline receiver for the DVB-T (Digital video broadcasting) system. Concerns broadcasters and receiver manufacturers. Ensures that broadcasts are correctly interpreted by receivers and indicates the features that need to be implemented on receivers.

## 33.160.30 Helisalvestussüsteemid

Audio systems

## UUED STANDARDID

**EVS-EN 60908:2002**
Hind 348,00
Identne IEC 60908:1999
ja identne EN 60908:1999
**Audio recording - Compact disc digital audio system**
Applies to a pre-recorded optical reflective digital audio disc system. Defines those parameters of compact discs that affect interchangeability between discs and players.

**EVS-EN 61096:2002**
Hind 259,00
Identne IEC 61096:1992+A1:1996
ja identne EN 61096:1993+ A1:1996
**Methods of measuring the characteristics of reproducing equipment for digital audio compact discs**
Lists and defines the characteristics affecting the performance of CD players, establishes conditions and methods of measurement of those characteristics and standardizes the presentation of results.

**EVS-EN 61105:2002**
Hind 126,00
Identne IEC 61105:1991
ja identne EN 61105:1993
**Reference tapes for video tape recorder systems**
Describes the general data for reference tapes applicable to various video tape recorder (VTR) formats already covered by existing IEC standards.

**EVS-EN 50157-1:2002**
Hind 117,00
Identne EN 50157-1:1998
**Domestic and similar electronic equipment interconnection requirements: AV.link - Part 1: General**
Within the AV.link chain concept (see EN 50157-2-1) a control signal line at contact 10 of the PERITELEVISION connector is defined.

**EVS-EN 60094-1:2002**
Hind 247,00
Identne IEC 60094-1:1981+ A1:1994
ja identne EN 60094-1:1993+ A1:1994
**Magnetic tape sound recording and reproducing systems; part 1: general conditions and requirements**
Applies to the dimensional, mechanical and electrical requirements for non-perforated blank and pre-recorded magnetic tape and for the associated recording and reproducing systems such as reel-to-reel, cassette and cartridge. Gives methods of measurement and necessary tolerances to secure interchangeability of recordings.

**EVS-EN 60094-3:2002**
Hind 259,00
Identne IEC 60094-3:1979+ A1,A2,A3:1996
ja identne EN 60094-3:1996 + A3:1996
**Magnetic tape sound recording and reproducing systems - Part 3: Methods of measuring the characteristics of recording and reproducing equipment for sound on magnetic tape**
This standard applies to recording and reproducing equipment for sound on magnetic tape (reel-to-reel, cassette and cartridge) for both professional and domestic applications. This standard does not apply to special purpose equipment such as high speed duplicators, artificial reverberation recorders or dictation machines not employing the reel-to-reel, cassette or cartridge principle. This standard excludes all aspects of safety, which are to be found in IEC 65. It also excludes magnetic tape properties, which are to be found in IEC 94-4 and 94-5.

**EVS-EN 60094-4:2002**
Hind 179,00
Identne IEC 60094-4:1986+ A1:1994
ja identne EN 60094-4:1994+ A1:1994
**Magnetic tape sound recording and reproducing systems - Part 4: Mechanical magnetic tape properties**
Applies to non-perforated magnetic tape used for professional and domestic analogue sound recording and reproduction. Lists and defines the methods of measurement and equipment necessary to determine the mechanical characteristics of magnetic recording tape. Will also enable users of magnetic tapes to compare technical product data of different manufacturers, produced in accordance with this standard.

**EVS-EN 60094-5:2002**
Hind 247,00
Identne IEC 60094-5:1988+ A1:1996
ja identne EN 60094-5:1993+ A1:1996
**Magnetic tape sound recording and reproducing systems - Part 5: Electrical magnetic tape properties**
This standard applies to non-perforated magnetic tape used for professional and domestic analogue sound recording and reproduction.

**EVS-EN 60094-7:2002**
Hind 190,00
Identne IEC 60094-7:1986
ja identne EN 60094-7:1993
**Magnetic tape sound recording and reproducing systems - Part 7: Cassette for commercial tape records and domestic use**
This part applies only to cassette recording and reproducing systems.

**EVS-EN 61119-2:2002**
Hind 109,00
Identne IEC 61119-2:1991
ja identne EN 61119-2:1994
**Digital audio tape cassette system (DAT) - Part 2: DAT calibration tape**
This part of IEC 1119 applies to calibration tapes for assessing and correcting the technical performance of equipment for the digital audio tape (DAT) cassette system.The object of this part is to specify programme content, format and other parameters of calibration tapes, so that direct comparison may be made between the technical performance of different equipment for the DAT cassette system.

**EVS-EN 61119-3:2002**
Hind 155,00
Identne IEC 61119-3:1992
ja identne EN 61119-3:1994
**Digital audio tape cassette system (DAT) - Part 3: DAT tape properties**
This part of IEC 1119 applies to properties of magnetic tapes used in the DAT cassette system.The purpose of this part is to specify the measurement methods and the minimum requirements applicable to these tapes.

**EVS-EN 61119-5:2002**
Hind 212,00
Identne IEC 61119-5:1993
ja identne EN 61119-5:1995
**Digital audio tape cassette system (DAT) - Part 5: DAT for professional use**
Applies to professional use of the digital audio tape cassette system (DAT) for recording and/or reproducing digital audio signals. Defines the mechanical and electrical characteristics necessary to ensure full interchangeability between software and hardware in any geographical location.

**EVS-EN 61119-6:2002**
Hind 130,00
Identne IEC 61119-6:1992
ja identne EN 61119-6:1994
**Digital audio tape cassette system (DAT) - Part 6: Serial copy management system**

This part of IEC 1119 is applicable to the Digital Audio Tape (DAT) cassette system for consumer applications. It states the requirements for the recording function with digital audio interface signals and for digital output signals on DAT recorders.

**EVS-EN 61120-1:2002**
Hind 170,00
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.

**EVS-EN 61120-2:2002**
Hind 229,00
Identne IEC 61120-2:1991
ja identne EN 61120-2:1993
**Digital audio tape recorder reel to reel system, using 6.3 mm magnetic tape, for professional use - Part 2: Format A**
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 2: Format A.

**EVS-EN 61120-3:2002**
Hind 212,00
Identne IEC 61120-3:1991
ja identne EN 61120-3:1993
**Digital audio tape recorder reel to reel system, using 6.3 mm magnetic tape, for professional use - Part 3: Format B**
This standard 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 3: Format B.

**EVS-EN 61120-4:2002**
Hind 179,00
Identne IEC 61120-4:1992
ja identne EN 61120-4:1992
**Digital audio tape recorder reel-to-reel system, using 6.3 mm magnetic tape, for professional use - Part 4: Magnetic tape properties: definitions and methods of measurement**
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.

**EVS-EN 50157-2-2:2002**
Hind 109,00
Identne EN 50157-2-2:1998
**Domestic and similar electronic equipment interconnection requirements: A.V. link -- Part 2-2: Basic system oriented commands**
This document specifies the A.V. link communication protocols and the basic A.V. link commands within mode 2.

**EVS-EN 50157-2-3:2002**
Hind 83,00
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.

**EVS-HD 369.10 S4:2002**
Hind 146,00
Identne IEC 60574-10:1983+ A1:1988+A2:1989
ja identne HD 369.10 S4:1991
**Audio-visual, video and television equipment and systems; part 10: audio cassette systems**
Lays down requirements for the track configuration on the compact cassette for language laboratory, language trainer, tape-slide synchronization systems or other similar applications. Specifies frequencies and durations of cue tones.

## 33.160.40 Videosalvestussüsteemid

Video systems

## UUED STANDARDID

**EVS-EN 50221:2002**
Hind 272,00
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.

**EVS-EN 55013:2002**
Hind 229,00
Identne CISPR 13:2001
ja identne EN 55013:2001
**Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement**
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.

**EVS-EN 60503:2002**
Hind 126,00
Identne IEC 60503:1998
ja identne EN 60503:1998
**Spools for broadcast videotape recorders (VTRS)**
This International Standard is applicable to tape spools which are used with video recorders for broadcast purposes. The object of this standard is to standardize the spools used throughout the various broadcast video recording formats.

**EVS-EN 60735:2002**
Hind 199,00
Identne IEC 60735:1991
ja identne EN 60735:1991
**Measuring methods for video tape properties**

Describes the measuring methods for evaluation of the properties of magnetic tapes for video recording reproduction. The following properties are considered: - mechanical; - electromagnetic and electrical; - tape on a video tape recorder.

**EVS-EN 60756:2002**
Hind 163,00
Identne IEC 60756:1991
ja identne EN 60756:1993
**Non-broadcast video tape recorders; time base stability**
Specifies the time base errors of the monochrome as well as of the colour composite video signal reproduced from two head helical-scan domestic video recorders, recording one field on each track. This standard gives characteristics and maximum figures of the time base errors to make it possible to design the horizontal flywheel of television receivers so as to ensure stability on the screen.

**EVS-EN 60961:2002**
Hind 348,00
Identne IEC 60961:1993
ja identne EN 60961:1994
**Helican-scan video-tape cassette system using 12, 65 mm (0, 5 in) magnetic tape on typeL**
Applies to magnetic video recording and/or reproduction using 12,65 mm (0,5 in) tape on helical-scan video cassette recorders suitable for broadcast applications.

**EVS-EN 61016:2002**
Hind 348,00
Identne IEC 61016:1989+A1:1999
ja identne EN 61016:2001
**Helical-scan digital component video cassette recording system using 19 mm magnetic tape (format D-1)**
Applies to magnetic recording of one digital video and four digital audio signals using 19 mm tape cassettes. Is valid for TV signals in digital component form, generated according to the rules of CCIR Recommendations 601 and 656 and for digital audio signals according to IEC 958. Also describes the digital recording of ancillary data and the analogue recording of one cue track and the control track

**EVS-EN 61077:2002**
Hind 229,00
Identne IEC 61077:1991
ja identne EN 61077:1991
**Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS - Compact VHS video cassette**
Defines the mechanical parameters and the necessary characteristics of the compact (VHS) video cassette.

**EVS-EN 61104:2002**
Hind 170,00
Identne IEC 61104:1992
ja identne EN 61104:1992
**Compact disc video system - 12 cm CD-V**
Specifies system parameters and applies to the pre-recorded optical reflective disc system called "compact disc video (CD video)" containing digital audio and "Laser Vision" video information. In the case of CD video, this standard modifies the relevant text in IEC 908.

**EVS-EN 61106:2002**
Hind 306,00
Identne IEC 61106:1993
ja identne EN 61106:1993
**Videodisks - Methods of measurements for parameters**
The standard collects the different typical parameters for videodisks described in IEC 844, 845, 856 og 857 and proposes a method of measurement for each.

**EVS-EN 61118:2002**
Hind 381,00
Identne IEC 61118:1993
ja identne EN 61118:1993
**Helical-scan video tape cassette using 12,65 mm (0,5 in) magnetic tape - Type M2**
Defines dimensions and other characteristics of equipment which are necessary to ensure the interchangeability of recorded cassettes. The requirements relate to 525 line-60 field and 625 line-50 field systems.

**EVS-EN 61122:2002**
Hind 259,00
Identne IEC 61122:1992
ja identne EN 61122:1993
**Still video floppy disk magnetic recording system**
The standard provides technical requirements for still video floppy disk systems which use a magnetic disk in a jacket, known as a still video floppy disk.

**EVS-EN 61213:2002**
Hind 126,00
Identne IEC 61213:1993
ja identne EN 61213:1994
**Analogue audio recording on video tape; polarity of magnetization**
Applies to audio recording and processing, and gives requirements for the preservation of signal polarity, together with methods of test which are not already included in other standards. It is based on, and consistent with, the relevant text in IEC 60268-2, and the connector applications standardized in IEC 60268-11 and IEC 60268-12.

**EVS-EN 50049-1:2002**
Hind 139,00
Identne EN 50049-1:1997+ A1:1998
**Domestic and similar electronic equipment interconnection requirements: Peritelevision connector**
This standard defines the interconnection characteristics of peritelevision devices, both between themselves and with television receivers (monochrome or colour).

**EVS-EN 50132-5:2002**
Hind 170,00
Identne EN 50132-5:2001
**Alarm systems - CCTV surveillance systems for use in security applications - Part 5: Video transmission**
This standard specifies the minimum requirements for the specification and testing of the performance of a video transmission channel involving transmitter, receiver or intermediate devices associated with the selected transmission media, for use in CCTV surveillance systems.

**EVS-EN 50157-1:2002**
Hind 117,00
Identne EN 50157-1:1998
**Domestic and similar electronic equipment interconnection requirements: AV.link - Part 1: General**
Within the AV.link chain concept (see EN 50157-2-1) a control signal line at contact 10 of the PERITELEVISION connector is defined.

**EVS-EN 60774-1:2002**
Hind 306,00
Identne IEC 60774-1:1994
ja identne EN 60774-1:1994
**Helican-scan video-tape cassette system using 12, 65 mm (0, 5 in) magnetic tape on type VHS; part 1: VHS and compact VHS video cassette system**

Defines the electrical and mechanical parameters and the necessary characteristics of the VHS and the compact VHS video cassette system. The requirements relate to the 525 line-60 field and 625 line-50 field TV systems. Equipment manufactured according to this standard and tapes recorded following this standard, provide the necessary interchangeability of recorded video cassettes.

**EVS-EN 60774-2:2002**
Hind 139,00
Identne IEC 60774-2:1999
ja identne EN 60774-2:2000
**Helical-scan video tape cassette system using 12,65 mm (0,5 in) magnetic tape on type VHS - Part 2: FM audio recording**
This part of IEC 60774 is applicable to frequency modulation (FM) audio recording fully compatible with the VHS system defined in IEC 60774-1. The object of this standard is to define the electrical and mechanical characteristics of FM audio recording which will provide for the interchangeability of recorded cassettes. The requirements given relate to 525 line-60 field and 625 line 50-field systems.

**EVS-EN 60774-3:2002**
Hind 212,00
Identne IEC 60774-3:1993
ja identne EN 60774-3:1993
**Helican-scan video tape cassette system using 12, 65 mm (0, 5 in) magnetic tape on type VHS; part 3: S-VHS**
Applies to magnetic video recording on 12,65 mm (0,5 in) wide tape using the wide band VHS recording system.

**EVS-EN 60843-1:2002**
Hind 326,00
Identne IEC 60843-1:1993
ja identne EN 60843-1:1994
**Helical-Scan video tape cassette system using 8 mm magnetic tape - 8 mm video - Part 1: General specifications**
This part of IEC 843 applies to magnetic video recording and/or playback with 8 mm tape cassettes on two-head helical-scan video cassette recorders, suitable for the recording and/or playback of monochrome as well as colour television signals.

**EVS-EN 60843-4:2002**
Hind 212,00
Identne IEC 60843-4:2000
ja identne EN 60843-4:2000
**Helical-scan video tape cassette system using 8 mm magnetic tape (8 mm video) - Part 4: Video subcode (VSC)**
This International Standard (Part 4) specifies a method of auxiliary data recording and playback with the IEC 60843 8 mm video system. This part is applicable to both 525 line - 60 field and 625 line - 50 field TV systems.

**EVS-EN 60933-3:2002**
Hind 155,00
Identne IEC 60933-3:1992
ja identne EN 60933-3:1992
**Audio, video and audiovisual systems - Interconnections and matching values - Part 3: Interface for the interconnection of ENG cameras and portable VTRs using non-composite signals, for 625 line/50 field systems**
Defines an interface which is designed to enable the Electronic News Gathering (ENG) signals produced in a non-composite form to be sent through a parallel link between a camera and a portable video tape recorder (VTR) which are separated by about 5 m to 10 m, instead of being combined in a camera recorder.

**EVS-EN 60933-5:2002**
Hind 117,00
Identne IEC 60933-5:1992
ja identne EN 60933-5:1993
**Audio, video and audiovisual systems - Interconnections and matching values - Part 5: Y/C connector for video systems - Electrical matching values and description of the connector**
Applies to the transfer of video signals between two pieces of equipment in an NTSC, PAL or SECAM high-resolution video system, in the form of a Y-signal, consisting of luminance + blanking + sync, and a C-signal, the same as the modulated chrominance signal of the composite video signal. It specifies the signal levels and impedances at the interface and the type of connector to be used.

**EVS-EN 61041-4:2002**
Hind 190,00
Identne IEC 61041-4:1997
ja identne EN 61041-4:1997
**Non-broadcast video tape recorders - Methods of measurement - Part 4: Calibration tape (NTSC/PAL/SECAM)**
This part of IEC 61041 specifies the general requirements for the calibration tape which is used for measurement of signal characteristics of the playback systems of non-broadcast video tape recorders (NTSC/PAL/SECAM). The calibration tape specified in this part of IEC 1041 applies particularly to the measurement items prescribed in the relevant part of IEC 1041 which requires complex test signals, which are unavailable from a general purpose test signal generator.

**EVS-EN 61041-5:2002**
Hind 229,00
Identne IEC 61041-5:1997
ja identne EN 61041-5:1997
**Non-broadcast video tape recorders - Methods of measurement - Part 5: High-band video tape recorders, including those equipped with Y/C video connectors (NTSC/PAL)**
This part of IEC 61041 specifies the general requirements for methods of measurement for high-band video tape recorders, including those equipped with Y/C video connector(s) (NTSC/PAL). This part of IEC 61041 is applicable both to machines using normal input/output connectors for the measurement of the composite video signal, and to machines using the Y/C video connector(s) for the measurement of the Y/C separated video signal. The object of this part is to describe the methods of measurement for non-broadcast video tape recorders.

**EVS-EN 61146-1:2002**
Hind 338,00
Identne IEC 61146-1:1994
ja identne EN 61146-1:1996
**Video cameras (PAL/SECAM/NTSC) - Methods of measurement - Part 1:Non-broadcast single-sensor cameras**
This part of IEC 1146 is applicable to the assessment of performance of non-broadcast colour video cameras equipped with a single-tube or solid-state imager. This part of IEC 1146 defines test patterns and measurement conditions, so as to make possible the comparison of the results of measurements. The methods of measurement are designed to make possible the assessment of the

performance of the camera by using the lens input and any electrical output terminals of the device (e.g. Y/C and composite).

**EVS-EN 61146-2:2002**
Hind 272,00
Identne IEC 61146-2:1997
ja identne EN 61146-2:1997
**Video cameras (PAL/SECAM/NTSC) - Methods of measurement - Part 2: Two- and three-sensor professional cameras**
This part of IEC 61146 applies to the assessment of performance of professional colour video cameras equipped with two and three tubes or solid state imagers, used for educational purposes and in other applications.This part of IEC 61146 defines test patterns, measurement conditions, and methods of measurement, so as to enable the comparison of the results of measurements. The methods of measurement are designed to enable the assessment of the performance of cameras by using light input from the lens and any electrical outputs of the cameras, for example, R-G-B signals, Y-C separate signals, and composite video signals.

**EVS-EN 61146-3:2002**
Hind 247,00
Identne IEC 61146-3:1997
ja identne EN 61146-3:1997
**Video cameras (PAL/SECAM/NTSC) - Methods of measurement - Part 3:Non-broadcast camera-recorders**
The measuring methods described in this part of IEC 1146 concern the assessment of the performance of non-broadcast camera-recorders (NTSC/PAL/SECAM). The appropriate measurements are to be applied according to whether the camera-recorder has a tube or semi-conductor camera. In the case of a camera-recorder without playback capability, the details of the separate player used for the measurements shall be stated. In this standard, the characteristics apply to the camera-recorder as a complete entity.

**EVS-EN 61146-4:2002**
Hind 190,00
Identne IEC 61146-4:1998
ja identne EN 61146-4:1998
**Video cameras (PAL/SECAM/NTSC) - Methods of measurement - Part 4: Automatic functions of video cameras and camera-recorders**
This part of IEC 61146 applies to the assessment of caracteristics of automatic functions which are implemented in colour video cameras and camera-recorders. The performance to be assessed in this standard is limited to automatic functions relating to light input from the lens and to the electronic output from video cameras and the video camera portions of camera-recorders. This standard defines test patterns, measurement conditions, methods of measurement and presentation of measured results so as to make possible the comparison of the results of measurement.

**EVS-EN 61237-1:2002**
Hind 199,00
Identne IEC 61237-1:1994
ja identne EN 61237-1:1994
**Broadcast video tape recorders - Methods of measurement - Part 1: Mechanical measurements**
This part of IEC 1237 describes the mechanical measurement methods on video tape recorders relating to the compatibility parameters for recording and measuring methods of the recorded tape. This standard deals with special mechanical measurement techniques for broadcast VTRs. It does not, however, cover the special mechanical measurements of the earlier transverse track video recorder standard (IEC 347). For those measurements see IEC 1055.

**EVS-EN 61237-4:2002**
Hind 199,00
Identne IEC 61237-4:1997
ja identne EN 61237-4:1997
**Broadcast video tape recorders - Methods of measurement - Part 4: Analogue audio performance measurements**
This standard describes methods of measurement and special test signals for the audio analogue part of equipment mainly dedicated to record/reproduction of TV-signals on magnetic tape on reels or in cassettes.

**EVS-EN 61834-1:2002**
Hind 306,00
Identne IEC 61834-1:1998+ A1:2001
ja identne EN 61834-1:1998+ A1:2001
**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 1: General specifications**
This part of IEC 61834 specifies the content, format and recording method of the data blocks forming the helical records on the tape. It describes the common specifications for cassettes, modulation method, magnetization and basic system data, for helical-scan digital video cassette recording system using 6,35 mm (1/4 inch) magnetic tape. The object of this standard is to define the electrical and mechanical characteristics of equipment which will provide for the interchangeability of recorded cassettes.

**EVS-EN 61834-3:2002**
Hind 295,00
Identne IEC 61834-3:1999
ja identne EN 61834-3:2000
**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 3: HD format for 1125-60 and 1250-50 systems**
This International Standard (Part 1, Part 3) specifies the content, format and recording method of the data blocks forming the helical records on the tape containing audio, video and system data. Part 3 describes the specifications for 1125-line system with a frame frequency of 30,00 Hz (herinafter referred to as "1125-60 system") and 1250-line system with a frame frequency of 25,00 Hz (herinafter referred to as "1250-50 system") which are not included in Part 1and Part 2. One video channel and four independent audio channels are recorded in the digital format.

**EVS-EN 61834-4:2002**
Hind 295,00
Identne IEC 61834-4:1998
ja identne EN 61834-4:1998
**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 4: Pack header table and contents**

This part of IEC 61834 specifies the pack headers and the contents of packs which are applicable to the whole recording system of helical-scan digital video cassette using 6,35 mm magnetic tape.

**EVS-EN 61834-10:2002**
Hind 259,00
Identne IEC 61834-10:2001
ja identne EN 61834-10:2001
**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 10: DTV format**
This international standard specifies the content, format and recording method of 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 DTV Programs. The DTV data is delivered to the digital video cassette recorder via a Digital Interface or by a bilit-in tuner (IRD). The DTV data consists of an MPEG2 Transport Stream containing one or more programs.

**EVS-EN 50157-2-2:2002**
Hind 109,00
Identne EN 50157-2-2:1998
**Domestic and similar electronic equipment interconnection requirements: A.V. link -- Part 2-2: Basic system oriented commands**
This document specifies the A.V. link communication protocols and the basic A.V. link commands within mode 2.

**EVS-EN 50157-2-3:2002**
Hind 83,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55247
Tähtaeg: 2003-02-01
Identne IEC 62122:2002
ja identne EN 62122:2002
**Methods of measurement for consumer-use digital VTRs - Electronic and mechanical performances**
Specifies the basic methods of measurement for evaluating the electronic and mechanical performance of consumer-use digital VTRs. Enables checks of the interchangeability and characteristics of the equipment under test and enables evaluation of the quality of image and sound.

# 33.160.50 Lisaseadmed

Accessories

## UUED STANDARDID

**EVS-EN 50332-1:2002**
Hind 83,00
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.

**EVS-EN 60268-4:2002**
Hind 259,00
Identne IEC 60268-4:1997
ja identne EN 60268-4:1999
**Sound System Equipment - Part 4: Microphones**
This part of IEC 60268 applies to sound system microphones for all applications for speech and music. They do not apply to measurement microphones. The microphones shall be understood to include devices, if any, such as transformers, preamplifiers, or other elements which form an integral part of the microphone, up to the output terminals specified by the manufacturer.

**EVS-EN 61094-2:2002**
Hind 272,00
Identne IEC 61094-2:1992
ja identne EN 61094-2:1993
**Measurement microphones - Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique**
Applies to laboratory standard microphones meeting the requirements of IEC 1094-1 and other types of condenser microphones having the same mechanical dimensions or specifies a primary method of determining the pressure sensivity so as to establish a reproducible and accurate basis for the measurement of sound pressure.

# 33.180.01 Kiudoptikasüsteemid üldiselt

Fibre optic systems in general

## UUED STANDARDID

**EVS-EN 61744:2002**
Hind 199,00
Identne IEC 61744:2001
ja identne EN 61744:2001
**Calibration of fibre optic chromatic dispersion test sets**
This International Standard provides standard procedures for calibration of optical fibre Chromatic Dispersion (CD) Test Sets. It also provides procedures to perform calibration checking on CD Test Sets, whereby an extension to the Test Set calibration period may be obtained. This International Standard is applicable to all types of CD Test Set, with the exception that measurements on multimode optical fibers are excluded.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55364
Tähtaeg: 2003-02-01
Identne IEC 62148-1:2002
ja identne EN 62148-1:2002
**Fibre optic active components and devices - Package and interface standards - Part 1: General and guidance**
Aims to assure interchangeability in physical interfaces between fibre optic active components and devices supplied by different manufacturers. It defines physical interfaces only, and not performance standards.

## 33.180.10
## Optilised kiud ja kaablid

Fibres and cables

## UUED STANDARDID

**EVS-EN 187000:2002**
Hind 212,00
Identne EN 187000:1992
**Generic specification: optical fibre cables**
This specification applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques and to cables having a combination of both optical fibres and electrical conductors.

**EVS-EN 187101:2002**
Hind 170,00
Identne EN 187101:1995
**Family Specification: Optical telecommunication cables to be used in ducts or direct buried application**
This Family Specification covers Optical Telecommunication Cables to be used in ducts or direct buried application. Requirements of the Sectional Specification for Optical Telecommunication Cables are applicable to cables covered by this Standard.

**EVS-EN 187104:2002**
Hind 109,00
Identne EN 187104:2001
**Family specification - Single-mode optical fibre cables to be used as underwater cables for lakes and river crossings etc.**
This family specification covers optical telecommunication cables to be used as underwater cables. Types of cables included in this family specification are "underwater cables" for lakes, river crossings etc. and are for cable systems without power feeding requirements. This specification does not cover repair capability. Requirements of the sectional specification for optical telecommunication cables EN 187100 (EN 60794-3) are applicable to cables covered by this standard.

**EVS-EN 187200:2002**
Hind 179,00
Identne EN 187200:2001
**Sectional Specification: Optical cables to be used along electrical power lines (OCEPL)**
This standard specifies the requirements of single-mode and graded index optical fibre cables for overhead power lines.

**EVS-EN 188000:2002**
Hind 338,00
Identne EN 188000:1992
**Generic specification: optical fibres**
This standard applies to primary coated or buffered optical fibres for use in telecommunication equipment and in devices employing similar techniques.

**EVS-EN 60794-3:2002**
Hind 229,00
Identne IEC 60794-3:2001
ja identne EN 60794-3:2002
**Optical fibre cables - Part: Sectional specification - Outdoor cables**
This part of IEC 794 specifies the requirements of single-mode optical fibre cables which are intended to be used primarily in public telecommunications networks. Other types of applications requiring similar types of cables can be considered.

**EVS-EN 60794-1-1:2002**
Hind 229,00
Identne IEC 60794-1-1:2001
ja identne EN 60794-1-1:2002
**Optical fibre cables - Part 1-1: Generic specification - General**
This section of International Standard IEC 60794-1 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques and to cables having a combination of both optical fibres and electrical conductors. The object of this section is to establish uniform requirements for the geometrical, transmission, material, mechanical, ageing (environmental exposure) and climatic characterisation of optical fibre cables, and electrical requirements where appropriate.

**EVS-EN 60794-1-2:2002**
Hind 316,00
Identne IEC 60794-1-2:1999
ja identne EN 60794-1-2:1999
**Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures**
This section of International Standard IEC 60794-1 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques and to cables having a combination of both optical fibres and electrical conductors. The object of this section is to establish uniform requirements for the geometrical, transmission, material, mechanical, ageing (environmental exposure) and climatic characterisation of optical fibre cables, and electrical requirements where appropriate.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55089
Tähtaeg: 2003-02-01
Identne IEC 60794-3-10:2002
ja identne EN 60794-3-10:2002
**Optical fibre cables - Part 3-10: Outdoor cables - Family specification for duct and directly buried optical telecommunication cables**
Describes a family specification that covers optical telecommunication cables to be used in ducts or direct buried applications. The sectional specifications of IEC 60794-3 are applicable.
prEVS 55090
Tähtaeg: 2003-02-01
Identne IEC 60794-3-20:2002
ja identne EN 60794-3-20:2002
**Optical fibre cables - Part 3-20: Outdoor cables - Family specification for optical self-supporting aerial telecommunication cables**
Describes a family specification that covers optical self-supporting aerial telecommunication cables. Sectional requirements of IEC 60794-3 are applicable.
prEVS 55255
Tähtaeg: 2003-02-01
Identne IEC 60793-1-30:2001
ja identne EN 60793-1-30:2002
**Optical fibres - Part 1-30: Measurement methods and test procedures -Fibre proof test**
Describes procedures for briefly applying a specified tensile load as a proof test to continuous lengths of optical fibre. The method is applicable to types A1, A2, A3 and B optical fibres.
prEVS 55257
Tähtaeg: 2003-02-01
Identne IEC 60793-1-31:2001
ja identne EN 60793-1-31:2002

**Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength**
Provides values of the tensile strength of optical fibre samples. Tensile strength values depend on the sample length, loading velocity and environmental conditions. The test can be used for inspection where statistical data on fibre strength is required. Results are reported by means of statistical quality control distribution.
prEVS 55258
Tähtaeg: 2003-02-01
Identne IEC 60793-1-41:2001
ja identne EN 60793-1-41:2002
**Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth**
Two methods are described for measuring bandwidth: impulse response and frequency response. Both methods apply to the measurement of bandwidth of category A1 multimode fibres. Application to other categories of class A multimode fibres is under study. Neither method applies to measurement of type B single-mode fibres.
prEVS 55259
Tähtaeg: 2003-02-01
Identne IEC 60793-1-42:2001
ja identne EN 60793-1-42:2002
**Optical fibres - Part 1-42: Measurement methods and test procedures - Chromatic dispersion**
Four methods are described for measuring chromatic dispersion: (a) phase shift, (b) spectral group delay in the time domain, (c) differential phase shift, and (d) interferometry. Methods (a), (b) and (c) apply to class A1 graded-index multimode fibres and class B single-mode fibres. Method (d) applies to single-mode fibres, class B1 to B3 in the 1000 nm to 1700 nm wavelength range. The methods can be applied to laboratory, factory and field measurements of chromatic dispersion.
prEVS 55260
Tähtaeg: 2003-02-01
Identne IEC 60793-1-43:2001
ja identne EN 60793-1-43:2002
**Optical fibres - Part 1-43: Measurement methods and test procedures - Numerical aperture**
Establishes requirements for measuring the numerical aperture of category A1 graded-index multimode fibre, and its light-gathering ability. This is used to predict lauching efficiency, joint loss at splices, and micro/macrobending perfprmance.
prEVS 55261
Tähtaeg: 2003-02-01
Identne IEC 60793-1-44:2001
ja identne EN 60793-1-44:2002
**Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength**
Provides methods for measuring the cut-off wavelength of single-mode optical fibres. The test method applies to a sample fibre in either an uncabled condition, or in a cable, or as a jumper cable. All methods require a reference measurement, with either a bend-reference technique or a multimode-reference technique.
prEVS 55262
Tähtaeg: 2003-02-01
Identne IEC 60793-1-46:2001
ja identne EN 60793-1-46:2002
**Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance**
Gives two methods for monitoring the changes in optical transmittance of optical fibres and cables that occur during mechanical and environmental testing. It provides a monitor in the change of optical transmission characteristics arising from optical discontinuity, physical defects and modifications of the attenuation slope. The methods are the change in transmittance by transmitted power, and by backscattering. They apply to both multimode and single-mode fibres.
prEVS 55263
Tähtaeg: 2003-02-01
Identne IEC 60793-1-47:2001
ja identne EN 60793-1-47:2002
**Optical fibres - Part 1-47: Measurement methods and test procedures - Macrobending loss**
Establishes uniform requirements for measuring macrobending sensitivity for category B1 to B4 single-mode optical fibres at 1550 nm and of category A1 multimode fibres at 850 nm and 1300 nm. The standard gives two methods for measuring macrobending sensitivity: power monitoring and cut-back.
prEVS 55275
Tähtaeg: 2003-02-01
Identne IEC 60793-1-20:2001
ja identne EN 60793-1-20:2002
**Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry**
Gives four methods for measuring the geometry of uncoated optical fibres. Parameters include: cladding diameter, cladding non-circularity, core diameter, core non-circularity, core-cladding concentricity error, and theoretical numerical numerical aperture.
prEVS 55277
Tähtaeg: 2003-02-01
Identne IEC 60793-1-22:2001
ja identne EN 60793-1-22:2002
**Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement**
Gives methods for measuring the length and elongation of optical fibres (typically within a cable). Length is fundemental for evaluation of transmission characteristics such as losses and bandwidths. Five methods are described: delay measurement, backscattering, fibre elongation, mechanical length, and phase shift.
prEVS 55457
Tähtaeg: 2003-02-01
Identne IEC 60794-1-2:1999/ A1:2002
ja identne EN 60794-1-2:1999/ A1:2002
**Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures**
This section of International Standard IEC 60794-1 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques and to cables having a combination of both optical fibres and electrical conductors. The object of this section is to establish uniform requirements for the geometrical, transmission, material, mechanical, ageing (environmental exposure) and climatic characterisation of optical fibre cables, and electrical requirements where appropriate.
prEVS 55468
Tähtaeg: 2003-02-01
Identne IEC 60793-1-52:2001
ja identne EN 60793-1-52:2002

**Optical fibres - Part 1-52: Measurement methods and test procedures Change of temperature**
Defines a test that determines the suitability of optical fibres (types A1a to A1d and B1 to B4) to withstand changes in temperature in actual use, storage and/or transport. The test permits the observation of effects of change of temperature over a given period (following the test Nb of IEC 60068-2-14).

## 33.180.20
## Kiudoptika liitmikud

Fibre optic interconnecting devices

## UUED STANDARDID

**EVS-EN 181000:2002**
Hind 295,00
Identne EN 181000:1994
**Generic specification: Fibre optic branching devices**
This specification is applicable to fibre optic branching devices. These have all of the following general features:-they are passive in that they contain no optoelectronic or other transducing elements; -they have three or more ports for the ingress and/or egress of optical power and share optical power among these ports in a predetermined fashion; -the ports are optical fibres or optical fibre connectors.

**EVS-EN 181101:2002**
Hind 117,00
Identne EN 181101:1994
**Blank detail specification: Fibre optic branching devices - Type: Non wavelength selective transmissive star**
This specification is a BDS Fibre Optic Branching Devices of the ``Non wavelenght selective transmissive star`` type. This includes instructions for preparing a DS.

**EVS-EN 181102:2002**
Hind 117,00
Identne EN 181102:1994
**Blank detail specification: Fibre optic branching devices - Type: Wavelength selective transmissive star**
This specification is a BDS for Fibre Optic Branching Devices of the ``Wavelenght selective transmissive star`` type. This includes instructions for preparing a DS.

**EVS-EN 181103:2002**
Hind 163,00
Identne EN 181103:1997
**Blank Detail Specification: Fibre optic branching devices - Type: Non wavelength selective transmissive star for telecommunication application**
This specification is a BDS for Fibre Optic Branching Devices of the "Non wavelenght selective transmissive star`` type.

**EVS-EN 181104:2002**
Hind 170,00
Identne EN 181104:1997
**Blank Detail Specification: Fibre optic branching devices - Type: Wavelength selective transmissive star for telecommunication application**
This specification is a BDS for Fibre Optic Branching Devices of the ``Wavelenght selective transmissive star`` type.

**EVS-EN 186001:2002**
Hind 130,00
Identne EN 186001:1993
**Blank detail specification: connectors for optical fibres and cables; environmental category I**
This BDS is not by itself a specification level. It forms part of the CECC specification system and applies to environmental category III.

**EVS-EN 186002:2002**
Hind 130,00
Identne EN 186002:1993
**Blank detail specification: connectors for optical fibres and cables; environmental category II**
This BDS is not by itself a specification level. It forms part of the CECC specification system and applies to environmental category III.

**EVS-EN 186003:2002**
Hind 146,00
Identne EN 186003:1993
**Blank detail specification: connectors for optical fibres and cables; environmental category III**
This BDS is not by itself a specification level. It forms part of the CECC specification system and applies to environmental category III.

**EVS-EN 186004:2002**
Hind 146,00
Identne EN 186004:1993
**Blank detail specification: connectors for optical fibres and cables; environmental category IV**
This BDS is not by itself a specification level. It forms part of the CECC specification system and applies to environmental category III.

**EVS-EN 186005:2002**
Hind 163,00
Identne EN 186005:1993
**Blank detail specification: connectors for optical fibres and cables; environmental category V**
This BDS is not by itself a specification level. It forms part of the CECC specification system and applies to environmental category III.

**EVS-EN 186100:2002**
Hind 109,00
Identne EN 186100:1994
**Sectional specification: connector sets for optical fibres and cables; type F-SMA**
This specification covers Type F-SMA fibre optic connector sets. Type F-SMA defines a singleway connector characterized by a 1/4 36 UNS screw thread coupling mechanism and a sylindrical ferrule of 3,175 mm nominal diameter.

**EVS-EN 186110:2002**
Hind 92,00
Identne EN 186110:1994
**Sectional specification: Connector sets for optical fibres and cables - Type FC**
This specification covers a family of fibre optic connector sets classified as Type FC. Type FC is a single way keyed connector characterized by a M8 x 0,75 screw thread coupling mechanism and spring-loaded, sylindrical, butting ferrules of 2,5 mm nominal diameter.

**EVS-EN 186170:2002**
Hind 117,00
Identne EN 186170:1998
**Sectional Specification: Connector sets for optical fibres and cables - Type RCC**

This sectional specification covers a family of single way multi-mode fibre optic connector sets which are classified as type RCC. The connector set featuring a self-locking screw thread coupling mechanism and butting 2.50 mm ferrules. The fiber alignment mechanism is self-contained within the plug. There are six options for keyed mechanical orientation, and universal mechanical orientation for test equipment application.

**EVS-EN 186260:2002**
Hind 101,00
Identne EN 186260:1997
**Sectional Specification: Connector sets for optical fibres and cables - Type SC**
This sectional specification covers a family of single way fibre optic connector sets which are classified as type SC. Type SC is a connector set of the plug-adaptor-plug configuration. It features a push-pull coupling mechanism and cylindrical butting ferrules. The optical alignment mechanism is a split sleeve contained within the adaptor.

**EVS-EN 186270:2002**
Hind 92,00
Identne EN 186270:1997
**Sectional Specification: Connector sets for optical fibres and cables - Type LSH**
This SS covers a family of single way fibre optic connector sets which are classified as type LSH. Type LSH is a connector set of plug-adaptor-plug configuration. It features a locked latch push-pull coupling mechanism and a cylindrical butting ferrule. The optical alignment mechanism may be a split sleeve or a rigid bore contained within the adaptor.

**EVS-EN 186290:2002**
Hind 130,00
Identne EN 186290:1997
**Sectional Specification: Connector sets for optical fibres and cables - Type MPO**
This specification covers type MPO fibre optic connector sets. Type MPO defines a multiway connector characterised by a rectangular ferrule nominally 6,4 mm x 2,5 mm which utilises two pins of 0,7 mm diameter as its alignment technology. It is applicable to a joint of multiple fibres by arranging them between two pin-positioning holes in the plug.

**EVS-EN 186300:2002**
Hind 109,00
Identne EN 186300:1999
**Sectional Specification: Connector sets for optical fibres and cables - Type MSC**
This sectional specification covers a family of single way fibre optic connector sets which are classified as type MSC. Type MSC is a connector set of the plug-adaptor-plug configuration. It features a push-pull coupling mechanism and cylindrical butting ferrules. The optical alignment mechanism is a split sleeve contained within the adaptor. The specification contains the requirements for type MSC connector sets.

**EVS-EN 186310:2002**
Hind 155,00
Identne EN 186310:1999
**Sectional Specification: Connector sets for optical fibres and cables - Type MF**
This specification covers Type MF fibre optic connector sets.The specification contains the requirements for Type MF connector sets to fix into a housing suitable for back plane use.

**EVS-EN 60874-1:2002**
Hind 229,00
Identne IEC 60874-1:1999
ja identne EN 60874-1:1999
**Connectors for optical fibres and cables - Part 1: Generic specification**
This part of IEC 60874 applies to fibre optic connectors sets and individual components (i.e. adapters, plugs, sockets) for all types, sizes and structures of fibres and cables. It includes: - connector set requirements; - quality assessment procedures.

**EVS-EN 60875-1:2002**
Hind 229,00
Identne IEC 60875-1:2000
ja identne EN 60875-1:2001
**Non-wavelength-selective fibre optic branching devices - Part 1: Generic specification**
Applicable to non-wavelength-selective fibre optic branching devices which are passive (they contain no optoelectronic or other transducing elements) and have three or more ports for the entry and/or exit of optical power which is shared among these ports in a predetermined fashion.

**EVS-EN 61073-1:2002**
Hind 212,00
Identne IEC 61073-1:1999
ja identne EN 61073-1:2000
**Mechanical splices and fusion splices protectors for optical fibres and cables Part 1: Generic specification**
This part of IEC 1073 is a sectional specification which covers the general requirements and the minimum quality assessment procedure for mechanical splices as defined in 1.4. All dimensional and optical performance requirements are to be defined in the appropriate detail specification. Blank detail specifications for the following four kinds of splices are included: - permanent/seperable mechanical single and multiple fibres splices.

**EVS-EN 61202-1:2002**
Hind 212,00
Identne IEC 61202-1:2000
ja identne EN 61202-1:2000
**Fibre optic isolators - Part 1: Generic specification**
This part of IEC 61202 applies to isolators used in the field of fibre optics. These have all of the following general features: - they are non-reciprocal optical devices, in which each port is either a fibre or a pig-tail connector; - they are passive components containing no opto-electronic or other transducing elements; - they have two optical ports for directionally transmitting optical power. This standard establishes uniform requirements for the following: - fibre optic isolator requirements; - quality assessment procedures.

**EVS-EN 61754-1:2002**
Hind 130,00
Identne IEC 61754-1:1996
ja identne EN 61754-1:1997
**Fibre optic connector interfaces - Part 1: General and guidance**
Contains general information concerning connector interfaces (definitions, dimensioning system, tolerance grades, etc.).

**EVS-EN 61754-2:2002**
Hind 130,00
Identne IEC 61754-2:1996
ja identne EN 61754-2:1997
**Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family**
This document defines the standard interface dimensions for the type BFOC/2,5 family of connectors.

**EVS-EN 61754-4:2002**
Hind 316,00
Identne IEC 61754-4:1997+ A1:1999+A2:2001

ja identne EN 61754-4:1997+ A1:1999+A2:2001

**Fibre optic connector interfaces - Part 4: Type SC connector family**

Defines the standard interface dimensions for type SC family of connectors which is characterized by a 2,5 mm nominal ferrule diameter and includes a push-pull coupling mechanism which is spring loaded relative to the ferrule in the direction of the optical axis.

**EVS-EN 61754-6:2002**

Hind 283,00

Identne IEC 61754-6:1997+ A1:2001

ja identne EN 61754-6:1997+ A1:2001

**Fibre optic connector interfaces - Part 6: Type MU connector family**

This part of IEC 61754 defines the standard interface dimensions for type MU family of connectors

**EVS-EN 61754-8:2002**

Hind 117,00

Identne IEC 61754-8:1996

ja identne EN 61754-8:1997

**Fibre optic connector interfaces - Part 8: Type CF08 connector family**

This part of IEC 1754 defines the standard interface dimensions for the Type CF08 family of connectors

**EVS-EN 60874-17:2002**

Hind 130,00

Identne IEC 60874-17:1996

ja identne EN 60874-17:1997

**Connectors for optical fibres and cables - Part 17: Sectional specification for fibre optic connector - Type F-05 (friction lock)**

This sectional specification is part of the relevant specification for type F-05 connectors. The specification, along with the appropriate blank detail specification, defines the requirements and the quality assesment procedures for the subfamily. Type F-05 is a rectangular simplex optical fibre connector consisting of 2,50 mm cylindrical ferrules and a push/pull coupling mechanism

**EVS-EN 60874-19:2002**

Hind 130,00

Identne IEC 60874-19:1995 + Corr.:1996

ja identne EN 60874-19:1997

**Connectors for optical fibres and cables - Part 19: Sectional specification for fibre optic connector - Type SC-D(uplex)**

This sectional specification is part of the relevant specification for Type SC-D(uplex) connectors. The specification, along with the appropriate blank detail specification, defines the requirements and the quality assesment procedures for the subfamily. Type SC-D(uplex) is a subfamily of two-way optical fibre connector utilizing a push-pull coupling mechanism and cylindrical ferrules of 2,5 mm nominal diameter.

**EVS-EN 61754-10:2002**

Hind 179,00

Identne IEC 61754-10:2000

ja identne EN 61754-10:2001

**Fibre optic connector interfaces - Part 10: Type Mini-MPO connector family**

Defines the standard interface dimensions for the type Mini-MPO family of connectors characterized by a rectangular ferrule nominally 4,4 x 2,5 mm which utilize two pins of 0,7 mm diameter as its alignement.

**EVS-EN 61754-12:2002**

Hind 272,00

Identne IEC 61754-12:1999

ja identne EN 61754-12:1999

**Fibre optic connector interfaces - Part 12: Type FS connector family**

This document defines the standard interface dimensions for the Type FS family of connectors

**EVS-EN 61754-13:2002**

Hind 163,00

Identne IEC 61754-13:1999

ja identne EN 61754-13:1999

**Fibre optic connector interfaces - Part 13: Type FC-PC connector family**

This document defines the standard interface dimensions for the Type FC family of connectors.

**EVS-EN 61754-15:2002**

Hind 212,00

Identne IEC 61754-15:1999

ja identne EN 61754-15:2001

**Fibre optic connector interfaces - Part 15: Type LSH connector family**

This part of IEC 61754 defines the standard interface dimensions for type LSH family of connectors.

**EVS-EN 61754-16:2002**

Hind 146,00

Identne IEC 61754-16:1999

ja identne EN 61754-16:2000

**Fibre optic connector interfaces - Part 16: Type PN connector family**

This part of IEC 1754 defines the standard interface dimensions for the Type CF08 family of connectors

**EVS-EN 50377-2-1:2002**

Hind 170,00

Identne EN 50377-2-1:2001

**Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 2-1: Type FC-PC terminated on IEC 60793-2 category B1 singlemode fibre**

This specification contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled singlemode resilient alignment sleeve FC/PC connector set (plug adaptor plug) must meet in order for it to be categorised as an EN standard product. Since different variants and grades of performance are permitted, product marking details are given in 3.5.

**EVS-EN 50377-3-1:2002**

Hind 139,00

Identne EN 50377-3-1:2001

**Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 3-1: Type SG terminated on IEC 60793-2 category A1a and A1b multimode fibre**

This specification contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled multimode V-groove alignment SG connector set (plug socket) must meet in order for it to be categorised as an EN standard product. Product marking details are given in 3.5.

**EVS-EN 60875-1-1:2002**

Hind 146,00

Identne IEC 60875-1-1:1996

ja identne EN 60875-1-1:1998

**Fibre optic branching devices - Part 1-1: Blank detail specification**

This blank detail specification is part of the generic specification IEC 875-1 (QC 810000) and comprises a blank worksheet with instructions for preparing detail specifications.

**EVS-EN 61753-1-1:2002**
Hind 146,00
Identne IEC 61753-1-1:2000
ja identne EN 61753-1-1:2001
**Fibre optic interconnecting devices and passive components performance standard - Part 1-1: General and guidance; Interconnection devices (connectors)**
Covers general information on fibre optic connector performance standards. Includes references, definitions and rules for creating a performance standard, as well as additional information pertinent to the subject.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 26477
Tähtaeg: 2003-02-01
Identne IEC 61754-3:1996
ja identne EN 61754-3:2002
**Fibre optic connector interfaces - Part 3: Type LSA connector family**
Defines the standard interface dimensions for type LSA family of connectors which is a single position plug connector, characterized by a 2,5 mm nominal ferrule diameter.
prEVS 28886
Tähtaeg: 2003-02-01
Identne IEC 1269-1-1:1994
ja identne EN 61269-1-1:1997
**Fibre optic terminus sets - Part 1-1: Blank detail specification**
This blank detail specification is not, by itself, a specification. It is part of IEC 1269-1 (QC 780000): Generic specification.It includes a blank worksheet with instructions for preparing detail specifications.
prEVS 55162
Tähtaeg: 2003-02-01
Identne IEC 61300-3-20:2001
ja identne EN 61300-3-20:2001
**Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-20: Examinations and measurements - Directivity of fibre optic branching devices**
Applies to measuring the directivity of light between channels of a multiport non-wavelength-selective MxN fibre optic branching device. The directivity is the fraction of light that goes from one input path to another path, normally isolated from each other.
prEVS 55170
Tähtaeg: 2003-02-01
Identne EN 50377-6-1:2002
**Connector sets and interconnect components to be used in optical fibre communication systems -Product specifications Part 6-1: Type SC-RJ terminated on IEC 60793-2 category A1a and A1b multimode fibre**
This European standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled multimode resilient alignment sleeve SC-RJ connectorset (plug/adaptor/plug) must meet in order for it to be categorised as an EN standard product
prEVS 55179
Tähtaeg: 2003-01-01
Identne IEC 61753-021-2:2002
ja identne EN 61753-021-2:2002
**Fibre optic interconnecting devices and passive component performance standard - Part 021-2: Fibre optic connectors terminated on single-mode fibre to category C - Controlled environment**
Fibre optic interconnecting devices and passive components
prEVS 55183
Tähtaeg: 2003-02-01
Identne IEC 61754-20:2002
ja identne EN 61754-20:2002
**Fibre optic connector interfaces - Part 20: Type LC connector family**
Defines the standard interface dimensions for the type LC family of connectors.
prEVS 55267
Tähtaeg: 2003-02-01
Identne IEC 61753-2-3:2001
ja identne EN 61753-2-3:2001
**Fibre optic interconnecting devices and passive components performance standard - Part 2-3: Non-connectorised single-mode 1xN and 2xN non-wavelength-selective branching devices for Category U - Uncontrolled environment**
Specifies the minimum initialisation test and measurement requirements and severities for a branching device. The requirements cover balanced non-connectorised single-mode 1xN and 2xN non-wavelength-selective branching devices (N is the number of output ports).

## 33.180.30 Kiudoptikasüsteemid

### Optic amplifiers

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55360
Tähtaeg: 2003-02-01
Identne IEC 61290-5-3:2002
ja identne EN 61290-5-3:2002
**Basic specification for optical amplifier test methods - Part 5-3: Test methods for reflectance parameters - Reflectance tolerance test method using electrical spectrum analyzer**
Applies to commercial optical fibre amplifiers (OFAs) using active fibres. It establishes requirements for accurate measurements, by means of electrical spectrum analyser test method, of the maximum reflectance tolerable at input and output (as defined in clause 3 of IEC 61291-1). The accuracy for reflectance tolerable is +/-0,5dB.

## 33.180.99 Muud kiudoptikaseadmed

### Other fibre optic equipment

## UUED STANDARDID

**EVS-EN 61757-1:2002**
Hind 212,00
Identne IEC 61757-1:1998
ja identne EN 61757-1:1999
**Fibre optic sensors - Part 1: Generic specification**
The object of this generic specification is to define, classify and provide the framework for specifying fibre optic sensors, and their specific components and subassemblies. Fibre optic sensors are devices for extracting information from the environment using fibre optic technology.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 36455
Tähtaeg: 2003-02-01

Identne IEC 61746:2001
ja identne EN 61746:2001
**Calibration of optical time-domain reflectometers (OTDRs)**
Provides procedures for calibrating single-mode optical time domain reflectometers (ODTRs). It only covers ODTR measurement errors and uncertainties. The ODTR must be equipped with a minimum feature set: programmable index of refraction, display of a trace representation, two cursors, absolute distance measurement, displayed power level relative to a reference level. It does not cover correction of the ODTR response.

## 33.200
## Telemehaanika

Telecontrol. Telemetering

## UUED STANDARDID

**EVS-EN 60870-2-2:2002**
Hind 179,00
Identne IEC 60870-2-2:1996
ja identne EN 60870-2-2:1996
**Telecontrol equipment and systems - Part 2: Operating conditions - Section 2: Environmental conditions (climatic, mechanical and other non-electrical influences)**
This section of IEC 870-2 applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and control of geographically processes. It is also a reference standard for teleprotection equipment and systems and for equipment included in a distribution line carrier (DLC) communication system supporting a distribution automation system (DAS) and also for associated communications such as power line carrier.

**EVS-EN 60870-5-1:2002**
Hind 295,00
Identne IEC 60870-5-1:1990
ja identne EN 60870-5-1:1993
**Telecontrol equipment and systems - Part 5: Transmission protocols - Section one: Transmission frame formats**
Covers asynchronous data transmission with half duplex and duplex link protocols operating with window size one for message transfers. Specifies the basic requirements for services to be provided by the link plus physical layers, for telecontrol applications.

**EVS-EN 60870-5-2:2002**
Hind 272,00
Identne IEC 60870-5-2:1992
ja identne EN 60870-5-2:1993
**Telecontrol equipment and systems - Part 5: Transmission protocols - Section 2: Link transmission procedures**
Applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and controlling geographically widespread processes.

**EVS-EN 60870-5-3:2002**
Hind 229,00
Identne IEC 60870-5-3:1992
ja identne EN 60870-5-3:1992
**Telecontrol equipment and systems - Part 5: Transmission protocols - Section 3: General structure of application data**
Applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and controlling geographically widespread processes; specifies rules for structuring application data units in transmission frames of telecontrol systems.

**EVS-EN 60870-5-4:2002**
Hind 229,00
Identne IEC 60870-5-4:1993
ja identne EN 60870-5-4:1993
**Telecontrol equipment and systems - Part 5: Transmission protocols - Section 4: Definition and coding of application information elements**
Gives rules for defining information elements and presents a set of information elements, in particular of digital and analog process variables frequently used in telecontrol applications.

**EVS-EN 60870-5-102:2002**
Hind 283,00
Identne IEC 60870-5-102:1996
ja identne EN 60870-5-102:1996
**Telecontrol equipment and systems - Part 5: Transmission protocols - Section 102: Companion standard for the transmission of integrated totals in electric power systems**
The purpose of this section of IEC 870-5 is to standardize the transmission of integrated totals representing the amount of electrical energy transferred between power utilities, or between a power utility and independent procedures on a high voltage (HV) or medium voltage (MV) network as a part of EMS (energy management systems) functionality. This section is not concerned with the low voltage (LV) networks or the interfaces to the energy consumption meters themselves.

**EVS-EN 60870-5-104:2002**
Hind 283,00
Identne IEC 60870-5-104:2000
ja identne EN 60870-5-104:2001
**Telecontrol equipment and systems - Part 5-104: Transmission protocols - Network access for IEC 60870-5-101 using standard transport profiles**
This section of IEC 60870-5 applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and controlling geographically widespread processes. It defines a telecontrol companion standard that enables interoperability among compatible telecontrol equipment.

**EVS-EN 60870-6-503:2002**
Hind 306,00
Identne IEC 60870-6-503:2002
ja identne EN 60870-6-503:2002
**Telecontrol equipment and systems - Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Section 503: TASE.2 Services and protocol**
This International Standard specifies a method of exchanging time-critical control center data through wide- and local-area networks using full ISO compliant protocol stack. It contains provision for supporting both centralized and distributed architectures. The standard includes the exchange of reel-time data indications control operations, timeseries data, scheduling and accounting information, remote program control, and event notification.

**EVS-EN 60870-6-502:2002**
Hind 229,00
Identne IEC 60870-6-502:1995
ja identne EN 60870-6-502:1996
**Telecontrol equipment and systems - Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Section 502: TASE.1 protocol definitions**
This section of IEC 870-6 specifies the protocol for the services provided by an application-service-element - the Telecontrol Application Service Element no.1 (TASE.1) - to support the

exchange of process data between telecontrol systems.

**EVS-EN 60870-6-501:2002**
Hind 326,00
Identne IEC 60870-6-501:1995
ja identne EN 60870-6-501:1996
**Telecontrol equipment and systems - Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Section 501: TASE.1 service definitions**
This section of IEC 870-6 specifies the protocol for the services provided by an application-service-element - the Telecontrol Application Service Element no.1 (TASE.1) - for the exchange of process data in telecontrol systems.

**EVS-EN 60870-6-601:2002**
Hind 179,00
Identne IEC 60870-6-601:1994
ja identne EN 60870-6-601:1995
**Telecontrol equipment and systems - Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Section 601: Functional Profile for providing the Connection-Oriented Transport Service in End System connected via permanent access to a Packet Switched Data Network**
This section of IEC 870-6 defines functional profiles to be used in telecommunication networks for electric power systems. It is largely based on existing ISO/IEC International Standards and International Standardized Profiles (ISP)

**EVS-EN 60870-6-702:2002**
Hind 212,00
Identne IEC 60870-6-702:1998
ja identne EN 60870-6-702:1998
**Telecontrol equipment and systems - Part 6-702: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Functional profile for providing the Tase.2. application service in end systems**
Is a functional profile (FP) and defines the provision of the TASE.2 communications services between two control centre end systems. This FP also defines the provision of the OSI connection-mode presentation and session services between the end systems.

**EVS-EN 60870-6-802:2002**
Hind 259,00
Identne IEC 60870-6-802:2002
ja identne EN 60870-6-802:2002
**Telecontrol equipment and systems - Part 6: Telecontrol protocols compatible with ISO standards and ITU-T recommendations - Section 802: TASE.2 Object models**
This International Standard specifies a method of exchanging time-critical control center data through wide- and local-area networks using full ISO compliant protocol stack. It contains provision for supporting both centralized and distributed architectures. The standard includes the exchange of reel-time data indications, control operations, timeseries data, scheduling and accounting information, remote program control, and event notification.

## 35.020 Infotehnoloogia üldküsimused

## Information technology (IT) in general

## UUED STANDARDID

**EVS-EN 50116:2002**
Hind 66,00
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.

**EVS-EN 60990:2002**
Hind 283,00
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.

**EVS-EN 60950-1:2002**
Hind 506,00
Identne IEC 60950-1:2001
ja identne EN 60950-1:2001
**Information technology equipment - Safety - Part 1: General requirements**
This standard is applicable to mains-powered or battery-powered information technology equipment, including electrical business equipment and associated equipment, with a RATED VOLTAGE not exceeding 600 V. This standard is also applicable to such informa

**EVS-EN 55024:2001/A1:2002**
Hind 83,00
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 environement. For exceptional environmental conditions special

mitigation measures may be required.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55177
Tähtaeg: 2003-02-01
Identne IEC 61286:2001
ja identne EN 61286:2001
**Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange**
Specifies a standardized coded graphic character set for use in drawings and diagrams, and for the design of graphical symbols. Edition 2 describes the correspondence between this character set and that of ISO/IEC 10646-1.

# 35.060 Infotehnoloogias kasutatavad keeled

Languages used in information technology

## UUED STANDARDID

**EVS-EN 61131-1:2002**
Hind 0,00
Identne IEC 61131-1:1992
ja identne EN 61131-1:1994
**Programmable controllers - Part 1: General information**
The International Standard IEC 1131 applies to programmable controllers and their associated peripherals such as programming and debugging tools (PADTs), test equipment (TE) and man-machnie interfaces (MMIs), etc. Equipment covering in this standard is intended for use in overvoltage category II (see IEC 364-4-443), in low voltage installations, where the rated mains supply voltage does not exceed 1000 V a.c. (50/60 Hz), or 1500 V d.c., for the control and command of machines and industrial processes.

**EVS-EN 61131-3:2002**
Hind 338,00
Identne IEC 61131-3:1993
ja identne EN 61131-3:1993
**Programmable controllers - Part 3: Programming languages**
This European Standard applies to the printed and displayed representation, using characters of the ISO/IEC 646 character set, of the programming languages to be used for programmable controllers. Specifies the syntax and semantics.

**EVS-EN 61691-1:2002**
Hind 381,00
Identne IEC 61691-1:1997
ja identne EN 61691-1:1997
**Design automation - Part 1: VHDL language reference manual**
This standard defines the VHSIC Hardware Description Language (VDHL). VDHL is a formal notation intended for use in all phases of the creation of electronic systems. Because it is both machine readable and human readable, it supports the development, verification, synthesis and testing of hardware designs; the communication of hardware design data; and the maintenance, modification and procurement of hardware. Its primary audiences are the implementors of tools supporting the language and the advanced users of the language.

# 35.100 Avatud süsteemide ühendamine (OSI)

Open systems interconnection (OSI)

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55091
Tähtaeg: 2003-02-01
Identne IEC 62056-21:2002
ja identne EN 62056-21:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange**
Describes hardware and protocol specifications for local meter data exchange. In such systems, a hand-held unit (HHU) or a unit with equivalent functions is connected to a tariff device or a group of devices.

# 35.100.00 Avatud süsteemide ühendamine (OSI)

Open systems interconnection (OSI)

## UUED STANDARDID

**EVS-EN 50170:2002**
Hind 582,00
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.

# 35.100.10 Füüsiline kiht

Physical layer

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55092
Tähtaeg: 2003-02-01
Identne IEC 62056-42:2002
ja identne EN 62056-42:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 42: Physical layer services and procedures for connection-oriented asynchronous data exchange**
Specifies the physical layer services and protocols within the Companion Specification for Energy Metering (COSEM) three-layer connection oriented profile for asynchronous data communication.

# 35.100.20 Kanalikiht

Data link layer

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55093
Tähtaeg: 2003-02-01
Identne IEC 62056-46:2002
ja identne EN 62056-46:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 46: Data link layer using HDLC protocol**
Specifies the data link layer for connection-oriented, HDLC-based, asynchronous communication profile.

## 35.100.70
## Rakenduskiht

Application layer

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55094
Tähtaeg: 2003-02-01
Identne IEC 62056-53:2002
ja identne EN 62056-53:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 53: COSEM application layer**
Specifies the COSEM application layer in terms of structure, services and protocols, for COSEM clients and

## 35.110
## Võrk

Networking

### UUED STANDARDID

**EVS-EN 50174-1:2002**
Hind 179,00
Identne EN 50174-1:2000
**Information technology - Cabling installation - Part 1: Specification and quality assurance**
This European standard specifies the basic requirements for the specification, implementation and operation of information technology cabling using balanced copper cabling and fibre optic cabling. This standard is applicable to: a) cabling designed to support particular analogue and digital telecommunications services including voice services; b) generic cabling systems designed in accordance with EN 50173 and intended to support a wide range of telecommunications services.

**EVS-EN 50174-2:2002**
Hind 199,00
Identne EN 50174-2:2000
**Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings**
This European standard specifies the basic requirements for the specification, implementation and operation of information technology cabling using balanced copper cabling and fibre optic cabling. This standard is applicable to: a) cabling designed to support particular analogue and digital telecommunications services including voice services; b) generic cabling systems designed in accordance with EN 50173 and intended to support a wide range of telecommunications services.

## 35.160
## Mikroprotsessorsüsteemid

Microprocessor systems

### UUED STANDARDID

**EVS-EN 50254:2002**
Hind 381,00
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 predictabel access.

## 35.200
## Liidestus- ja ühendusseadmed

Interface and interconnection equipment

### UUED STANDARDID

**EVS-EN 50170:2002**
Hind 582,00
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.

**EVS-EN 61107:2002**
Hind 295,00
Identne IEC 61107:1996
ja identne EN 61107:1996
**Data exchange for meter reading, tariff and load control - Direct local data exchange**
Specifies hardware and protocol specifications for local systems. Deals with direct local systems, in which the hand held unit is connected to one tariff device only at a time.

## 35.240.01
## Infotehnoloogia (IT) rakendused üldiselt

Application of information technology in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55270
Tähtaeg: 2003-02-01
Identne IEC 82045-1:2001
ja identne EN 82045-1:2001
**Document management - Part 1: Principles and methods**
Specifies principles and methods to define metadata for the management of documents associated with objects throughout their life cycle; This cycle generally covers a range from the conceptual idea of a document to its deletion. The established principles and methods are basic for all document management systems. This part is intended as a general basic standard in all application fields and provides the framework applicable for part 2. International Standard 82045 is primarily intended as a resource for the use in computerised systems such as Electronic Document Management Systems (EDMS) or Product Data Management Systems (PDMS) for the management, retrieval, storage and selection and archiving of documents, and as a basis for the exchange of documents.

## 35.240.50
## IT rakendused tööstuses

IT applications in industry

### UUED STANDARDID

**EVS-EN 61003-1:2002**
Hind 272,00
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.

**EVS-EN 61069-2:2002**
Hind 212,00
Identne IEC 61069-2:1993
ja identne EN 61069-2:1994
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 2: Assessment methodology**
Details the assessment methodology of industrial-process measurement and control systems. Describes the method for analyzing the objectives given for the assessment, the method for weighing the relative importance of the various system properties and influencing conditions, and for determining an assessment programme.

**EVS-EN 61069-3:2002**
Hind 212,00
Identne IEC 61069-3:1996
ja identne EN 61069-3:1996
**Industrial-process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 3: Assessment of system functionality**
This part of IEC 1069 describes in detail the method to be used to systematically assess the functionality of an industrial process measurement and control system. The assessment methodology detailed in IEC 1069-2 is applied to obtain the functionality assessment programme. The subsidary functionality properties are analyzed, and criteria to be taken into account when assessing functionality are described.

**EVS-EN 61069-4:2002**
Hind 247,00
Identne IEC 61069-4:1997
ja identne EN 61069-4:1997
**Industrial process measurement and control - Evaluation of system properties for the purpose of system assessment - Part 4: Assessment of system performance**
This part of IEC 1069 covers the method to be used to systematically assess the performance of an industrial process measurement and control systems. The assessment methodology detailed in IEC 1069-2 is applied to obtain the performance assessment programme. The subsidary performance properties are analyzed, and criteria to be taken into account when assessing performance are described.

**EVS-EN 61131-1:2002**
Hind 0,00
Identne IEC 61131-1:1992
ja identne EN 61131-1:1994
**Programmable controllers - Part 1: General information**
The International Standard IEC 1131 applies to programmable controllers and their associated peripherals such as programming and debugging tools (PADTs), test equipment (TE) and man-machnie interfaces (MMIs), etc. Equipment covering in this standard is intended for use in overvoltage category II (see IEC 364-4-443), in low voltage installations, where the rated mains supply voltage does not exceed 1000 V a.c. (50/60 Hz), or 1500 V d.c., for the control and command of machines and industrial processes.

**EVS-EN 61131-3:2002**
Hind 338,00
Identne IEC 61131-3:1993
ja identne EN 61131-3:1993
**Programmable controllers - Part 3: Programming languages**
This European Standard applies to the printed and displayed representation, using characters of the ISO/IEC 646 character set, of the programming languages to be used for programmable controllers. Specifies the syntax and semantics.

**EVS-EN 61131-5:2002**
Hind 283,00
Identne IEC 61131-5:2000
ja identne EN 61131-5:2001
**Programmable controllers - Part 5: Communications**
This part of IEC 61131 specifies communication aspects of a programmable controller. It specifies from the viewpoint of a PC how any device can communicate with a PC as a server and how a PC can communicate with any device.

**EVS-EN 61691-2:2002**
Hind 155,00
Identne IEC 61191-2:2001
ja identne EN 61691-2:2001
**Behavioural languages - Part 2: VHDL multilogic system for model interoperability**
This specification prescribes the requirements for surface mounted solder connections. The requirements pertain to those assemblies that are totally surface mounted or to the surface mounted portions of those assemblies that include other related technologies (e.g. through-hole, chip mounting, terminal mounting, etc.)

**EVS-EN 61691-3-2:2002**
Hind 190,00
Identne IEC 61691-3-2:2001
ja identne EN 61691-3-2:2001
**Behavioural languages - Part 3-2: Mathematical operation in VHDL**
This set of packages provides a standard for the declaration of most frequently used real and complex elementary functions required for numerically oriented modeling applications. Use of these packages with their defined data types, constants, and functions is intended to provide a mechanism for writing VHDL models (compliant with IEEE Std 1076-1993) that are portable and interoperable with other VHDL models adhering to this standard. The standard serves a broad class of applications with reasonable ease of use and requires implementations that are of high quality. This standard includes package bodies, as described in annex B, which are available in electronic format either on a diskette affixed to the back cover, or as a downloadable file from the IEC Web Store.

**EVS-EN 61691-3-3:2002**
Hind 199,00
Identne IEC 61691-3-3:2001
ja identne EN 61691-3-3:2001
**Behavioural languages - Part 3-3: Synthesis in VHDL**

This standard supports the synthesis and verification of hardware designs, by defining vector types for representing signed or unsigned integer values and providing standard interpretations of widely used scalar VHDL values. Includes package bodies, as described in annex A, which are available in electronic format either on a diskette affixed to the back cover, or as a downloadable file from the IEC Web Store.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 35178
Tähtaeg: 2003-02-01
Identne IEC 61690-2:2000
ja identne EN 61690-2:2000
**Electronic Design Interchange Format (EDIF) - Version 4.0.0**
This document defines the syntax and semantics for EDIF Version 4 0 0. EDIF Version 4 0 0 addresses EDIF Level 0 and Level 1. EDIF Version 3 0 0 provided support for Connectivity and Schematics; EDIF Version 4 0 0 offers additional capability by providing support for the representation of Printed Circuit Boards (PCBs) and Multi-chip Modules (MCMs) including technology rules and assembly drawings.
prEVS 38827
Tähtaeg: 2003-02-01
Identne IEC 61131-7:2000
ja identne EN 61131-7:2000
**Programmable controllers - Part 7: Fuzzy control programming**
This part of IEC 61131 defines a language for programming of Fuzzy Control applications which use programmable controllers.
prEVS 55110
Tähtaeg: 2003-02-01
Identne IEC 61523-2:2002
ja identne EN 61523-2:2002
**Delay and power calculation standards - Part 2: Pre-layout delay calculation specification for CMOS ASIC libraries**
Applies to CMOS ASIC libraries which contain cell based primitives and memories to be used during the pre-layout design phase of logic simulation, timing verification and logic synthesis.The delay calculation method addressed in this standard consists of 1) estimation of wire capacitance 2 ) Delay calculation method based on tablelook-up. With use of DCL and SDF, this delay calculation method helps the user have a unified timing model for various EDA tools in the pre-layout design phase.
prEVS 55186
Tähtaeg: 2003-02-01
Identne IEC 61512-2:2001
ja identne EN 61512-2:2002
**Batch control - Part 2: Data structures and guidelines for languages**
This part of this standard on batch control defines data models that describe batch control as applied in the process industries, data structures for facilitating communications within and between batch control implementations and language guidelines for representing recipes. Refer to Annex A for an explanation of the UML notation that is used in this part of this standard. Refer to Annex B for a summary of all of the SQL definitions from clause 5.

## 35.260.10 Kontorimasinad

Office machines

### UUED STANDARDID

**EVS-EN 50116:2002**
Hind 66,00
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.

**EVS-EN 60950-1:2002**
Hind 506,00
Identne IEC 60950-1:2001
ja identne EN 60950-1:2001
**Information technology equipment - Safety - Part 1: General requirements**
This standard is applicable to mains-powered or battery-powered information technology equipment, including electrical business equipment and associated equipment, with a RATED VOLTAGE not exceeding 600 V. This standard is also applicable to such informa

## 37.100.10 Paljundusseadmed

Reproduction equipment

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 28324
Tähtaeg: 2003-03-01
Identne prEN 13023:2002
**Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment - Accuracy grades 2 and 3**
This standard specifies all the information necessary to carry out efficiently and under standardized conditions the determination, declaration and verification of airborne noise emission from printing and paper converting machines covered by the EN 1010 series and from paper making and finishing machines covered by the EN 1034 series. It specifies noise measurement methods and installation and operating conditions to be used for the test

## 43.040.10 Elektriseadmed

Electrical and electronic equipment

### UUED STANDARDID

**EVS-EN 60095-2:2002**
Hind 190,00
Identne IEC 60095-2:1984
ja identne EN 60095-2:1993 + A11:1994
**Lead-acid starter batteries - Part 2: Dimensions of batteries and dimensions and marking of terminals**
This standard is applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as a power source for starting and ignition of internal combusion engines, lighting and also for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called

"Starter batteries". This standard is not applicable to batteries for other purposes, for example the starting of railcar internal combustion engines.

## 43.100 Sõiduautod. Haagiselamud ja järelkärud (kergehaagised)

Passenger cars. Caravans and light trailers

### UUED STANDARDID

**EVS-EN 1949:2002**
Hind 155,00
Identne EN 1949:2002
**Specification for the installation of LPG systems for habitation purposes in leisure accomodation vehicles and in other road vehicles**
This European Standard specifies the requirements for the installation of liquefied petroleum gas systems for habitation purposes in leisure accommodation vehicles and in other road vehicles. It details safety and health requirements on the selection of materials, components and appliances, on design considerations and soundness testing of installations and on the contents of the user's handbook

## 45.020 Raudteetehnika üldküsimused

Railway engineering in general

### UUED STANDARDID

**EVS-EN 50122-2:2002**
Hind 170,00
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) funicluar railways and e) maintenance work.

**EVS-EN 50123-1:2002**
Hind 170,00
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.

**EVS-EN 50123-2:2002**
Hind 179,00
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.

**EVS-EN 50123-4:2002**
Hind 155,00
Identne EN 50123-4:1999
**Railway applications - Fixed installations - D.C. switchgear - Part 4: Outdoor d.c. in-line switch-disconnectors, disconnectors and d.c. earthing switches**
This Part of EN 50123 specifies requirements for outdoor d.c. switch-disconnectors, disconnectors and earthing switches for use in outdoor stationary installations of traction systems.

**EVS-EN 50123-6:2002**
Hind 170,00
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, amufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of EN 50123 or, when appropriate, with another applicable standard.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 37461
Tähtaeg: 2003-03-01
Identne EN 13230-2:2002
**Railway applications - Track - Concrete sleepers and bearers - Part 2: Prestressed monoblock sleepers**
This part of this European Standard defines additional technical criteria and control procedures related to the design and manufacture of prestressed monobloc sleepers
prEVS 37463
Tähtaeg: 2003-03-01
Identne EN 13230-3:2002
**Railway applications - Track - Concrete sleepers and bearers - Part 3: Twin-block reinforced sleepers**
This part of this European Standard defines technical criteria and control procedures relating to the design and manufacture of

twin-block reinforced concrete sleepers
prEVS 38604
Tähtaeg: 2003-03-01
Identne EN 13230-4:2002
**Railway applications - Track - Concrete sleepers and bearers - Part 4 : Prestressed bearers for switches and crossings**
This part of the European Standard defines additional technical criteria and control procedures as well as specific tolerance limits relating to the design and manufacture of prestressed bearers for switches and crossings with a maximum length of 5,5 m
prEVS 55404
Tähtaeg: 2003-03-01
Identne prEN 14601:2002
**Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe**
This European Standard is applicable to manually operated end cocks designed to cut-off the Brake pipe and the Main Reservoir pipe of the air brake and compressed air system of rail vehicles ; without taking the type of vehicles and track-gauge into consideration

## 45.060
## Raudtee veerem

Railway rolling stock

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 32344
Tähtaeg: 2003-02-01
Identne IEC 60077-2:1999
ja identne EN 60077-2:2002
**Railway applications - Electric equipment for rolling stock - Part 2: Electrotechnical components - General rules**
Provides general rules for all electrotechnical components installed in power circuits, control and indicating circuits on rail rolling stock. It supplements the rules given in part 1 of IEC 60077. This part and the part 1 replaces IEC 60077 published in 1968.
prEVS 55178
Tähtaeg: 2003-02-01
Identne IEC 61377-2:2002
ja identne EN 61377-2:2002
**Railway applications - Rolling stock - Combined testing - Part 2: Chopper-fed direct current traction motors and their control**
Applies to the combinations of motor(s), chopper and their control, and its object is to specify a)the performance characteristics of electric drives consisting of a chopper, direct current motors, and the related control system b)methods of verifying these performance characteristics by tests. In traction drives, a combined system with chopper and direct current motor(s) without any control between the mechanical output and the chopper is not usual. It is not, therefore, considered in this standard. IEC 60349-1 applies to chopper-fed direct current motors, IEC 61287-1 to power electronic convertors, and IEC 60571 to electronic equipments. As a consequence, IEC 60349-1 describes the tests to demonstrate the compliance of the motor to its specification, while IEC 61287-1 does the same for the chopper.

## 45.060.00
## Raudtee veerem

Railway rolling stock. General

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55378
Tähtaeg: 2003-02-01
Identne EN 50153:2002
**Railway applications - Rolling stock - Protective provisions relating to electrical hazards**
This standard states a set of rules that are applied in the design and manufacture of electrical installations and equipment to be used on rolling stock so as to protect the persons from electric shocks. The methods used to satisfy the rules may be different, according to the procedures and practices of the operating organization. This standard is applicable to vehicles of rail transport systems, road vehicles powered by an external supply (trolley buses), magnetic levitated vehicles and to the electrical equipment installed in these vehicles.

## 45.060.01
## Raudtee veerem üldiselt

Railway rolling stock in general

### UUED STANDARDID

**EVS-EN 50206-2:2002**
Hind 126,00
Identne EN 50206-2:1999
**Railway applications - Rolling stock - Pantographs: Characteristics and tests - Part 2: Pantographs for metros and light rail vehicles**
This standard defines the general assembly charcteristics 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 main line vehicles: these pantographs are considered in EN 50206-1. This standard relates to conventional suspended overhead line systems and accessories. The systems (or part of them) which are rigidly suspended will require special consideration between the customer and the supplier.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 35043
Tähtaeg: 2003-02-01
Identne EN 50264-1:2002
**Railway applications -Railway rolling stock cables having special fire performance - Standard wall - Part 1: General requirements**
Part 1 of EN 50264 specifies the general requirements applicable to the cables given in part 2 and part 3 of EN 50264. It includes the detailed requirements for the insulating and sheathing materials and other components called up in the separate parts. In particular EN 50264-1 specifies those requirements relating to fire safety which enable the cables to satisfy Hazard Levels 2, 3 and 4 of EN 45545-1.
prEVS 35045
Tähtaeg: 2003-02-01
Identne EN 50264-2:2002

**Railway applicactions - Railway rolling stock cables having special fire performance - Standard wall - Part 2: Single core cables**
Part 2 of EN 50264 specifies requirements for, and constructions and dimensions of, single core cables of the following types and voltage ratings: 0,6/1 kV unscreened, unsheathed (1 mm2 to 400 mm2), 1,8/3 kV unscreened, unsheathed (1,5 mm2 to 400 mm2), 1,8/3 kV unscreened sheathed (1,5 mm2 to 400 mm2), 3,6/6 kV unscreened, sheathed (2,5 mm2 to 400 mm2). All cables have class 5 tinned copper conductors to HD 383, halogen-free insulation and where applicable halogen-free sheath.
prEVS 35048
Tähtaeg: 2003-02-01
Identne EN 50264-3:2002
**Railway applicactions - Railway rolling stock cables having special fire performance - Standard wall - Part : Multicore cables**
Part 3 of EN 50264 specifies requirements for, and constructions and dimensions of, multicore cables of the following types and voltage ratings: 300 V/500 V Screened or unscreened (1 mm 2 , 1,5 mm 2 and 2,5 mm 2, number of cores from 2 to 40) - 0,6 kV/1 kV Screened or unscreened, (1 mm 2 to 50 mm 2 , 2, 3 and 4 core)
prEVS 55199
Tähtaeg: 2003-02-01
Identne EN 50305:2002
**Railway applications -Railway rolling stock cables having special fire performance -Test methods**
This standard specifies special test methods applicable to cables, and their constituent insulating and streathing materials, for use of railway rolling stock. Such cables are specified in the various parts of EN 50264 and EN 50306

## 45.060.10 Vedurid

Tractive stock

### UUED STANDARDID

**EVS-EN 50207:2002**
Hind 212,00
Identne EN 50207:2000
**Railway applications - Electronic power converters for rolling stock**
This standard is applicable to power electronic converters mounted on-board railway rolling-stock and intended for supplying: - traction circuits - auxiliary circuits of power vehicles, coaches and trailers The application of this standard extends as far as possible to all other traction vehicles, including trolleybuses for example.
**EVS-EN 50215:2002**
Hind 190,00
Identne EN 50215:1999
**Railway applications - Testing of rolling stock after completion of construction and before entry into service**
This European Standard specifies general criteria to demonstrate by testing that complete railway vehicles conform with standards or other normative documents. This European Standard, as a whole or in part, applies to all railway vehicles except special purpose vehicles such as track-laying machines, ballast cleaners and personnel carriers. The extent of application of the standard for particular vehicles will be specifically mentioned in the contract. In so far as this European Standard is applicable it may be used for the following: - generator sets mounted on a vehicle provided for auxiliary purposes; - the electrical transmission used on trolley busses or similar vehicles; - control and auxiliary equipment of vehicles with non-electrical propulsion systems; - vehicles guided, supported or electrically propelled by systems which do not use the adhesion between wheel and rail.
**EVS-EN 50206-1:2002**
Hind 146,00
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.

## 45.060.20 Haagisveerem

Trailing stock

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39602
Tähtaeg: 2003-03-01
Identne prEN 13775-1:2002
**Railway applications - Measuring of new and modified freight wagons - Part 1: Measuring principles**
This European Standard specifies requirements for measuring freight wagons and bogies. This ensures that the measuring methods are applied in accordance with uniform criteria. It applies to new and modified freight wagons and bogies. Provisions going beyond the scope of these requirements should be agreed upon by the contracting parties involved

## 45.080 Rööpad ja raudteeosad

Rails and railway components

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55153
Tähtaeg: 2003-03-01
Identne prEN 13674-1:2002
**Railway applications - Track - Rail - Part 1: Vignole railway rails 46 kg/m and above**
This European Standard specifies Vignole railway rails of 46 kg/m and greater linear mass, for general and high speed railway track usage

## 47.020.01 Laevaehituse ja mereehitistega seotud üldised standardid

General standards related to shipbuilding and marine stuctures

### UUED STANDARDID

**EVS-EN 13195-1:2002**
Hind 139,00

Identne EN 13195-1:2002
**Aluminium and aluminium alloys - Wrought and cast products for marine applications (shipbuilding, marine and offshore) - Part 1: Specifications**
This European Standard specifies properties and technical conditions for inspection and delivery of wrought and cast aluminium and aluminium alloy products recommended for marine applications such as shipbuilding, maritime and offshore applications

## 47.020.60 Laevade ja mereehitiste elektriseadmed

Electrical equipment of ships and of marine structures

### UUED STANDARDID

**EVS-EN 60092-507:2002**
Hind 247,00
Identne IEC 60092-507:2000
ja identne EN 60092-507:2000
**Electrical installations in ships - Part 507: Pleasure craft**
This International Standard is applicable to: - inland waters pleasure craft: and - seagoing pleasure crafts This International Standard establishes the requirements for safe electrical installations for all pleasure craft with a length from 24 meters and up to 50 meters or 500 grt., incorporating good practice and co-ordinating as far as possible existing rules, for design, construction and installation of alternating current systems, which operate at a nominel voltage not exceeding 250 V single phase, 500 V three phase, and for direct current 50 V, and for pleasure craft with a length less than 24 meters which operate a three phase system at a nominel voltage not exceeding 500 V.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55302
Tähtaeg: 2003-02-01
Identne IEC 60092-507:2000
ja identne EN 60092-507:2000
**Electrical installations in ships - Part 507: Pleasure craft**

## 47.020.70 Navigatsiooni- ja juhtimisseadmed

Navigation and control equipment

### UUED STANDARDID

**EVS-EN 60936:2002**
Hind 146,00
Identne IEC 60936:1988
ja identne EN 60936:1993
**Shipborne radar - Operational and performance requirements - Methods of test and required test results**
Specifies the performance and type testing of shipborne radar required by Regulation 12 of Chapter V of the International Convention for the Safety of Life at Sea (SOLAS) 1974.

**EVS-EN 61023:2002**
Hind 109,00
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.

**EVS-EN 61075:2002**
Hind 229,00
Identne IEC 61075:1991
ja identne EN 61075:1993
**Loran-C receivers for ships; minimum performance standards; methods of testing and required test results**
Specifies the minimum performance standards and type testing of shipborne receivers for Loran-C systems and is associated with IEC 60945 and IEC 61023. The objective of the standard is to establish minimum performance standards, methods of testing and required test results for Loran-C general purpose shipborne navigational receivers.

**EVS-EN 61174:2002**
Hind 272,00
Identne IEC 61174:2001
ja identne EN 61174:2001
**Maritime navigation and radiocommunication equipment and systems - Electronic chart display and information system (ECDIS) - Operational and performance requirements, methods of testing and required test results**
This International Standard specifies the performance requirements, methods of testing and required test results of equipment conforming to performance standards not inferior to those adapted by the IMO resolution A.817. This standard is based upon the performance standards of IMO resolution A.817, and is also associated with IMO resolution A.694 and IEC 60945. Reference is made, where appropriate, to IMO resolution A.817, and all subclauses whose wording is identical to that in the resolution are printed in italics.

**EVS-EN 61209:2002**
Hind 229,00
Identne IEC 61209:1999
ja identne EN 61209:1999
**Maritime navigation and radiocommunication equipment and systems - Integrated Bridge Systems (IBS) - Operational and performance requirements, methods of testing and required test results**
This International Standard specifies the minimum requirements for the design, manufacture, integration and testing of integrated bridge systems (IBS) to comply with IMO resolution MSC 64.(67) annex 1 of the Iternational Maritime Organization, and other relevant IMO performance standards, in order to meet the functional requirements contained in applicable IMO instruments, not precluding multiple usage of equipment and modules or the need for duplication. This International Standard aims to increase safe and efficient ship's management by suitably qualified personnel taking care of, inter alia, uninterrupted functional availability of systems and of human factors.

**EVS-EN 60872-1:2002**
Hind 190,00
Identne IEC 60872-1:1998
ja identne EN 60872-1:1998

**Maritime navigation and radiocommunication equipment and systems - Radar plotting aids - Part 1: Automatic radar plotting aids (ARPA) - Methods of testing and required test results**
This International Standard specifies the minimum operational and performance requirements, methods of testing and test results for equipment that complies with performance standards not inferior to those adopted by the International Maritime Organization (IMO) in Resolution A.823. In addition, this standard takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirement in this standard is different from IEC 60945, the requirement in this standard shall take precedence.

**EVS-EN 60872-2:2002**
Hind 190,00
Identne IEC 60872-2:1999
ja identne EN 60872-2:1999
**Maritime navigation and radiocommunication equipment and systems - Radar plotting aids - Part 2: Automatic tracking aids (ATA) - Methods of testing and required test results**
This International Standard specifies the minimum performance requirements, technical characteristics, methods of testing and test results required by IMO Resolution MSC,64(67) Annex 4. This standard takes account of IMO Resolution A.694 and is associated with IEC 945. When a requirement in this standard is different from IEC 945, the requirement in this standard shall take precedence. Equipment intended for use on high speed craft (HSC) shall additionally satisfy the requirements of the HSC scenarios as defined in IEC 60936-2 annex D.

**EVS-EN 60872-3:2002**
Hind 155,00
Identne IEC 60872-3:2000
ja identne EN 60872-3:2001
**Maritime navigation and radiocommunication equipment and systems - Radar plotting aids - Part 3: Electronic plotting aid (EPA) - Performance requirements - Methods of testing and required test results**
This International Standard specifies the minimum operational and performance requirements, methods of testing and test results for equipment that complies with performance standards not inferior to those adopted by the International Maritime Organisation (IMO) in Resolution MCS.64 (67) Annex 4 - Appendix 2. In addition this standard takes account of IMO resolution A.694 and is associated with IEC 60945

**EVS-EN 60936-1:2002**
Hind 247,00
Identne IEC 60936-1:1999
ja identne EN 60936-1:2000
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 1: Shipborne radar - Performance requirements - Methods of test and required test results**
This International Standard specifies the minimum performance requirements, methods of testing and required test results for conformance to performance standards not inferior to those required by IMO resolution MSC.64(67), Annex 4, Radar. In addition it takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirements of this standard is different from IEC 60945, the requirement in this standard shall take precedence. This standard does not include the optional performance requirements for superimposition of selected parts of SENC information. These are specified in IEC 60936-3 - Radar with chart facilities.

**EVS-EN 60936-2:2002**
Hind 247,00
Identne IEC 60936-2:1998
ja identne EN 60936-2:1999
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 2: Shipborne radar for high speed craft (HSC) - Methods of testing and required test results**
This International standard specifies the minimum operational and performance requirements, methods of testing and required test results as required by IMO resolution A.820 and Chapter X of the high speed craft (HSC) code. It complies with the requirements of 13.13 of the HSC code and incorporates applicable parts of 13.5 of the HCS code on radar installations. In addition it takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirement in this standard is different from IEC 60945, the requirements in this standard takes precedence.

**EVS-EN 61097-1:2002**
Hind 212,00
Identne IEC 61097-1:1992
ja identne EN 61097-1:1993
**Global maritime distress and safety system (GMDSS) - Part 1: Radar transponder - Marine search and rescue (SART) - Operational and performance requirements, methods of testing and required test results**
Specifies the performance standards and type testing of marine radar transponders used in search and rescue operations at sea (SART), as required by the relevant regulations of the international SOLAS convention. Is associated with IEC 936 and IEC 945.

**EVS-EN 61108-2:2002**
Hind 179,00
Identne IEC 61108-2:1998
ja identne EN 61108-2:1998
**Maritime navigation and radiocommunication equipment and systems - Global navigation satellite systems (GNSS) - Part 2: Global navigation satellite system (GLONASS) - Receiver equipment - Performance standards, methods of testing and required test results**
This International Standard specifies the minimum performance standards, methods of testing and required test results for GLONASS shipborne receiver equipment, based upon IMO Resolution MSC.(XX) (66), which use the signals from the Russian Ministry of Defense Global Navigation Satellite System (GLONASS), in order to determine position. This receiver standard applies to phases of the voyage in "other waters" as defined in IMO Resolution A.529.

**EVS-EN 61162-1:2002**
Hind 259,00
Identne IEC 61162-1:2000
ja identne EN 61162-1:2000
**Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 1: Single talker and multiple listeners**
This part of IEC 1162 contains the requirements for data communication between maritime electronic instruments, navigation and radiocommunication

equipment when interconnected via an appropriate system. This standard is intended to support one-way serial data transmission from a single talker to one or more listeners. This is data in printable ASCII form and may include information such as position, speed, depth, frequency allocation, ect.

**EVS-EN 61162-2:2002**
Hind 155,00
Identne IEC 61162-2:1998
ja identne EN 61162-2:1998
**Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 2: Single talker and multiple listeners, high-speed transmission**
This part of IEC 61162 contains the requirements for data communication between maritime electronic instruments, navigation and radiocommunication equipment when interconnected via an appropriate interface. This standard is intended to support one-way serial data transmission from a single talker to one or more listeners. This data is in printable ASCII form and may include any information as specified by approved sentences or information coded according to the rules for proprietary sentences.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55098
Tähtaeg: 2003-02-01
Identne IEC 60936-3:2002
ja identne EN 60936-3:2002
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 3: Radar with chart facilities - Performance requirements - Methods of testing and required test results**
Specifies the minimum operational and performance requirements, methods of testing and required test results conforming to performance standards not inferior to those adopted by the IMO in Resolution MSC.64(67) Annex 4 Radar clauses 3.3.9 and 3.3.10 for the optional requirements for superimposition of selected parts of SENC information. Takes into account IMO Resolution A.694 and is associated with IEC 60945.
prEVS 55212
Tähtaeg: 2003-02-01
Identne IEC 61162-400:2001
ja identne EN 61162-400:2002
**Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 400: Multiple talkers and multiple listeners - Ship systems interconnection - Introduction and general principles**
This standard series, IEC 61162-400 and upwards, specifies a communication protocol for use in interconnected maritime systems. Specifies an interface description language for use together with the protocol, a set of rules for the use of this language and a set of standard interfaces described in the language. Provides a test plan and list of required documents for equipment using this standard. This part of IEC 61162 gives a general overview of the functionality of the protocol and provides definitions common to the other fragments of the standard.
prEVS 55246
Tähtaeg: 2003-02-01
Identne IEC 62065:2002
ja identne EN 62065:2002
**Maritime navigation and radiocommunication equipment and systems - Track control systems - Operational and performance requirements, methods of testing and required test results**
Specifies the minimum operational and performance requirements, methods of testing and required test results conforming to performance standards adopted by the IMO in resolution MSC.74(69) Annex 2 Recommendations on Performance Standards for Track Control Systems. In addition takes into account IMO resolution A.694 and refers to IEC 60945.
prEVS 55333
Tähtaeg: 2003-02-01
Identne IEC 60945:2002
ja identne EN 60945:2002
**Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results**
This International Standard assists in meeting a requirement of the International Convention for Safety of Life at Sea (SOLAS), adopted by the International Maritime Organization (IMO), that the radio equipment defined in chapters III and IV, and the navigation equipment defined in chapter V of the Convention, be type-approved by administrations to conform with performance standards not inferior to those adopted by the IMO.
prEVS 55358
Tähtaeg: 2003-02-01
Identne IEC 60936-1:1999/ A1:2002
ja identne EN 60936-1:2000/ A1:2002
**Maritime navigation and radiocommunication equipment and systems - Radar - Part 1: Shipborne radar - Performance requirements - Methods of test and required test results**
This International Standard specifies the minimum performance requirements, methods of testing and required test results for conformance to performance standards not inferior to those required by IMO resolution MSC.64(67), Annex 4, Radar. In addition it takes account of IMO resolution A.694 and is associated with IEC 60945. When a requirements of this standard is different from IEC 60945, the requirement in this standard shall take precedence. This standard does not include the optional performance requirements for superimposition of selected parts of SENC information. These are specified in IEC 60936-3 - Radar with chart facilities.

## 47.080
## Väikelaevad

Small craft

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55373
Tähtaeg: 2003-03-01
Identne ISO 8666:2002
ja identne EN ISO 8666:2002
**Small craft - Principal data**
This International Standard establishes uniformity of definitions of main dimensions and related data, and of mass specificiations and loading conditions. It applies to small craft having a length of the hull of up to 24 m

## 49.020
## Lennundus ja kosmosetehnika üldküsimused

Aircraft and space vehicles in general

### UUED STANDARDID

**EVS-EN 61265:2002**
Hind 190,00
Identne IEC 61265:1995
ja identne EN 61265:1995
**Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure one-third-octave band sound pressure levels in noise certification of transport-category aeroplanes**
This International Standard specifies requirements for the electroacoustic performance of systems of instruments used to measure sound for the purpose of aeroplane noise certification, and recommends methods by which tests may be made periodically to verify that the performance continues to comply with the requirements given within stated tolerances.

## 49.060
## Õhu- ja kosmosesõidukite elektriseadmed ja -süsteemid

Aerospace electric equipment and systems

### UUED STANDARDID

**EVS-EN 60952-1:2002**
Hind 190,00
Identne IEC 60952-1:1988
ja identne EN 60952-1:1993
**Aircraft batteries - Part 1: General test requirements and performance levels**
This standard, published in two parts, covers both vented nickel-cadmium and vented lead-acid aircraft batteries containing vented or valve-regulated cells or monoblocs. The batteries are used for general purposes and dedicated applications.

**EVS-EN 60952-2:2002**
Hind 170,00
Identne IEC 60952-2:1991
ja identne EN 60952-2:1993
**Aircraft batteries - Part 2: Design and construction requirements**
This part of IEC 952 covers both nickel-cadmium and lead-acid aircraft batteries containing vented or valve-regulated cells or monoblocs. The batteries are used for both general purposes and specific applications.

**EVS-EN 60952-3:2002**
Hind 117,00
Identne IEC 60952-3:1993
ja identne EN 60952-3:1995
**Aircraft batteries - Part 3:External electrical connectors**
Defines the design and dimensions of the external electrical connectors on aircraft batteries which interface with the connector plugs on the aircraft.

## 49.080
## Õhu- ja kosmosesõidukite hüdrosüsteemid ja nende koostisosad

Aerospace fluid systems and components

### UUED STANDARDID

**EVS-EN 3852:2002**
Hind 75,00
Identne EN 3852:2002
**Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Straight unions, welded, threaded**
This standard specifies the characteristics of threaded welded straight unions for pipe couplings, 60°, spherical, in TI-P64001, for aerospace applications

**EVS-EN 3853:2002**
Hind 75,00
Identne EN 3853:2002
**Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Straight unions, threaded**
This standard specifies the characteristics of threaded straight unions for pipe couplings, 60° spherical, in TIP64001, for aerospace applications

**EVS-EN 3854:2002**
Hind 75,00
Identne EN 3854:2002
**Aerospace series - Pipe couplings, 60°, spherical in titanium alloy TI-P64001 - Ferrules, welded**
This standard specifies the characteristics of welded ferrules for pipe couplings, 60°, spherical, in TI-P64001, for aerospace applications

**EVS-EN 3856:2002**
Hind 75,00
Identne EN 3856:2002
**Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Swivel nuts for thrust wire**
This standard specifies the characteristics of swivel nuts for thrust wire for pipe couplings, 60°, spherical, in TIP64001, for aerospace applications

**EVS-EN 3857:2002**
Hind 75,00
Identne EN 3857:2002
**Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Elbows 90°, welded**
This standard specifies the characteristics of welded elbows 90° for pipe couplings, 60°, spherical, in TI-P64001, for aerospace applications

**EVS-EN 3858:2002**
Hind 66,00
Identne EN 3858:2002
**Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy TI-P64001 - Thrust wires in steel FE-PA 13**
This standard specifies the characteristics of thrust wires for titanium alloy pipe couplings, 60°, spherical, in FE-PA 13, for aerospace applications

**EVS-EN 4051:2002**
Hind 75,00
Identne EN 4051:2002
**Aerospace series - Pipe couplings, 60°, spherical, in titanium alloy - Port connection**
This standard specifies the characteristics of port connection for pipe couplings, 60°, spherical, in titanium alloy, for aerospace applications. It is applicable to 60° Ispherical tube coupling in titanium alloy defined by the EN 3853 standard, to be mounted with O-ring defined in accordance with the TR 4052

## 49.100
## Maapealse teeninduse ja hoolduse seadmed

Ground service and maintenance equipment

### UUED STANDARDID

**EVS-EN 12312-2:2002**
Hind 139,00
Identne EN 12312-2:2002
**Aircraft ground support equipment - Specific requirements - Part 2: Catering vehicles**
This European Standard specifies the technical requirements to minimize the hazards listed in clause 4 which can arise during the commissioning, the operation and the maintenance of catering vehicles when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognized as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies

**EVS-EN 12312-12:2002**
Hind 101,00
Identne EN 12312-12:2002
**Aircraft ground support equipment - Specific requirements - Part 12: Potable water service equipment**
This Part of this European Standard deals with the technical requirements to minimize the hazards listed in clause 4 which can arise during the commissioning, operation and maintenance of potable water service equipment when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognized as essential by authorities, aircraft and GSE manufacturers as well as airlines and handling agencies

**EVS-EN 12312-13:2002**
Hind 101,00
Identne EN 12312-13:2002
**Aircraft ground support equipment - Specific requirements - Part 13: Lavatory service equipment**
This Part of the European Standard deals with the technical requirements to minimize the hazards listed in Clause 4 which can arise during the commissioning, operation and maintenance of lavatory service equipment when carried out in accordance with the specifications given by the manufacturer or his authorised representative. It also takes into account some requirements recognized as essential by authorities, aircraft and GSE manufacturers as well as airlines and handling agencies

## 53.020.30
## Tõsteseadmete abivahendid

Accessories for lifting equipment

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33355
Tähtaeg: 2003-03-01
Identne prEN 14502-2:2002
**Cranes - Equipment for the lifting of persons - Part 2: Elevating control stations**
This European Standard specifies additional requirements for the design of elevating control stations on cranes. General requirements for control stations on cranes are given in prEN 13557. This standard also specifies requirements for the driving mechanism, the supporting and suspension system and for safety devices for the elevating control station

## 53.040
## Pidevtoimega teisaldusseadmed. Konveierid

Continuous handling equipment. Conveyors

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55327
Tähtaeg: 2003-03-01
Identne prEN 10336:2002
**Continuously hot-dip coated and electrolytically coated strip and sheet of multiphase steels for cold forming - Technical delivery conditions**
This European Standard specifies requirements for continuously hot-dip coated and electrolytically coated products made of multiphase steels for cold forming (see Tables 1 and 2) coated with zinc (Z and ZE), zinc-iron alloy (ZF) and zinc-nickel alloy (ZN) with thicknesses of 0,35 mm to 3,0 mm unless otherwise agreed

## 53.040.10
## Konveierid

Conveyors

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 15667
Tähtaeg: 2003-03-01
Identne EN 619:2002
**Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of unit loads**
This European standard deals with the technical requirements to minimise the hazards listed in clause 4 and annex B. These hazards can arise during the operation and maintenance of continuous handling equipment and systems when carried out in accordance with the specifications given by the manufacturer or his authorised representative. This standard deals with safety related technical verification during commissioning

## 55.020
## Pakenduse üldküsimused

Packaging and distribution of goods in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39808
Tähtaeg: 2003-03-01
Identne prEN 13439:2002
**Packaging - Rate of energy recovery - Definition and method of calculation**
Packaging - Rate of energy recovery - Definition and method of calculation

## 55.040
## Pakkematerjalid

Packaging materials and accessories

### UUED STANDARDID

**EVS-EN 13628-1:2002**
Hind 109,00
Identne EN 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 chromatographywhere 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

**EVS-EN 13628-2:2002**
Hind 92,00
Identne EN 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

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39807
Tähtaeg: 2003-03-01
Identne prEN 13437:2002
**Packaging and material recycling - Criteria for recycling methods - Description of recycling processes and flow chart**
This European Standard defines the criteria for a recycling process and describes the principal existing processes for material recycling and their inter-relationship. Both packaging and recovery technologies are subject to continuing and rapid development. This European Standard describes the present stage of knowledge but may be subject to modifications in the light of new developments
prEVS 39810
Tähtaeg: 2003-03-01
Identne prEN 13440:2002
**Packaging - Rate of recycling - Definition and method of calculation**
This European Standard establishes a methodology for the calculation of the rate of recycling of packaging and packaging material

## 55.060
## Äärikpoolid. Koonuspoolid

Spools. Bobbins

### UUED STANDARDID

**EVS-EN 60264-3-1:2002**
Hind 101,00
Identne IEC 60264-3-1:1999
ja identne EN 60264-3-1:2000
**Packaging of winding wires - Part 3-1: Taper barrelled delivery spools - Basic dimensions**
Specifies the basic dimensions for taper barrelled delivery spools for winding wires.

**EVS-EN 60264-3-2:2002**
Hind 117,00
Identne IEC 60264-3-2:1999
ja identne EN 60264-3-2:1999
**Packaging of winding wires - Part 3-2: Taper barrelled delivery spools - Specification for returnable spools made from thermoplastic materials**
Specifies the requirements for returnable taper barrelled delivery spools made from thermoplastic material.

**EVS-EN 60264-3-4:2002**
Hind 92,00
Identne IEC 60264-3-4:1999
ja identne EN 60264-3-4:1999
**Packaging of winding wires - Part 3-4: Taper barrelled delivery spools - Basic dimensions of containers for taper barrelled delivery spools**
Specifies the basic dimensions of containers for taper barrelled delivery spools standardized in IEC 264-3-1.

**EVS-EN 60264-3-5:2002**
Hind 109,00
Identne IEC 60264-3-5:1999
ja identne EN 60264-3-5:1999
**Packaging of winding wires - Part 3-5: Taper barrelled delivery spools - Specification for spool containers made from thermoplastic material**
This section of IEC 264-3 specifies the requirements for spool containers made from thermoplastic material and used for taper barrelled delivery spools.

**EVS-EN 60264-4-2:2002**
Hind 139,00
Identne IEC 60264-4-2:1992
ja identne EN 60264-4-2:1994
**Packaging of windig wires - Part 4: Methods of test - Section 2: Containers made from thermoplastic material for taper barrelled delivery spools**
Describes the methods of test for containers made from thermoplastic material to be used for taper barrelled delivery spools for winding wires.

**EVS-EN 60264-5-1:2002**
Hind 92,00
Identne IEC 60264-5-1:1997
ja identne EN 60264-5-1:1997
**Packaging of winding wires - Part 5-1: Cylindrical barelled delivery spools with conical flanges - Basic dimensions**
This part of IEC 264 specifies the basic dimensions for cylindrical barelled delivery spools with conical flanges for winding wires.

**EVS-EN 60264-5-2:2002**
Hind 109,00
Identne IEC 60264-5-2:2001
ja identne EN 60264-5-2:2001
**Packaging of winding wires - Part 5-2: Cylindrical barelled delivery spools with conical flanges - Specification for returnable spools made from thermoplastic material**
Specifies the requirements for returnable cylindrical barrelled delivery spools with conical flanges made from thermoplastic material.

## 55.080
## Kotid. Taskud

Sacks. Bags

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 34615
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15867:2002
ja identne prEN ISO 15867:2002
**Intermediate bulk containers (IBCs) for non-dangerous goods - Terminology**
This European Standard defines basic terminology for all forms of IBCs intended to transport non-dangerous goods

## 55.180.20
## Üldotstarbelised kaubaalused

General purpose pallets

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 40017
Tähtaeg: 2003-03-01
Identne ISO 12777-3:2002
ja identne EN ISO 12777-3:2002
**Methods of test for pallet joints - Part 3: Determination of strength of pallet joints**
This part of ISO 12777 specifies methods of determining the resistance of pallet joints primary to static load by determining the strength and stiffness of nailed or stapled joints, wood to wood, wood to wood-based materials, wood to plastics or plastics to plastics

## 55.180.40
## Täielikud pakkimis- ja transpordiüksused

Complete, filled transport packages

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39437
Tähtaeg: 2003-03-01
Identne ISO 2873:2000
ja identne EN ISO 2873:2002
**Packaging - Complete, filled transport packages and unit loads - Low pressure test**
This International Standard specifies a method for subjecting complete, filled transport packages and unit loads to conditions of low air pressure similar to those encountered in aircraft

## 55.230
## Jaotus- ja doseerimismasinad

Distribution and vending machines

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 25537
Tähtaeg: 2003-02-01
Identne IEC 335-2-75:1995
ja identne EN 60335-2-75:2002
**Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines ***
Deals with the safety of electric commercial dispensing appliances and vending machines for preperation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase and 480 V for other appliances. Examples of appliances that are within the scope of this standard are bulk tea or coffee brewing machines, cigarette, hot and cold beverage, newspaper,audio or video tape or disc vending machines, ice cream, whipped cream and ice dispensers, commercial liquid heaters, espresso coffee appliances and packaged food and drink vending machines.

## 59.080.60
## Tekstiilpõrandakatted

Textile floor coverings

### UUED STANDARDID

**EVS-EN 13893:2002**
Hind 83,00
Identne EN 13893:2002
**Resilient, laminate and textile floor coverings - Parameters for the measurement of dynamic coefficient of friction on floor surfaces**
This European standard specifies the parameters for the measurement of dynamic coefficient of friction (μ) on surfaces of resilient, laminate and textile floor coverings, usually walked on with shoes

## 59.080.70
## Geotekstiil

Geotextiles

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55149
Tähtaeg: 2003-03-01
Identne ISO/TR 12960:1998
ja identne EN 14030:2001/prA1:2002
**Geotextiles and geotextile-related products - Screening test method for determining the resistance to acid and alkaline liquid**
This standard specifies methods for screening the resistance of geotextile products to liquids while not subjecting them to external mechanical sterss

## 59.100.10
## Klaaskiust materjalid

Textile glass materials

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 39390
Tähtaeg: 2003-03-01
Identne EN 13360:2002
**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

## 61.020
## Rõivad

Clothes

### UUED STANDARDID

**EVS-EN 13402-1:2002**
Hind 92,00

Identne EN 13402-1:2001
**Rõivaste suurustähistus. Osa 1: Terminid, määratlused ja mõõduvõtmine (modifitseeritud ISO 3635:1981)**
Standard määratleb kehamõõtmed rõivastele, määrab kindlaks menetluse keha mõõtmiseks ja esitab piktogrammid, mida tuleb kasutada rõivaetikettidel.

**EVS-EN 13402-2:2003**
Hind 83,00
Identne EN 13402-2:2002
**Rõivaste suurustähistus. Osa 2: Suurustunnused ja abimõõtmed**
Standard määrab kindlaks suurustunnused ja abimõõtmed kindlaksmääratud rõivaliikidele, mida tuleb kasutada koos standardiga EN 13402-1.

## 61.060
## Jalatsid

Footwear

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55266
Tähtaeg: 2003-02-01
Identne IEC 61340-4-3:2001
ja identne EN 61340-4-3:2001
**Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear**
Describes a test method for determining the electrical resistance of footwear used in the control of electrostatic potential on people. This standard is suitable for use by the manufacturer of footwear as well as the end user. A method for measuring the electrical resistance of footwear alone is described and serves as an acceptance test for new footwear. Insulating footwear is not included within the scope of this standard although the electrical resistance measurement techniques may be applicable.
prEVS 55406
Tähtaeg: 2003-03-01
Identne prEN 14602:2002
**Footwear - Test methods for the assessment of ecological criteria**
This European Standard establishes the test methods to assess the ecological criteria of the footwear manufacturing process. This European Standard applies to any kind of footwear except the one containing electrical or electronical components. The chemical analysis of the metallic components is outside of the scope of this draft European Standard

## 65.040.10
## Loomakasvatushooned, sisseseade, seadmed

Livestock buildings, installations and equipment

### UUED STANDARDID

**EVS-EN 61011:2002**
Hind 0,00
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.

**EVS-EN 61011-1:2002**
Hind 130,00
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.

**EVS-EN 61011-2:2002**
Hind 139,00
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.

## 65.040.99
## Muud taluhoonete, -rajatiste ja sisseseadega seotud standardid

Other standards related to farm buildings and installations

### UUED STANDARDID

**EVS-EN 60335-2-76:2002**
Hind 163,00
Identne IEC 60335-2-76:1997 + A1:1999
ja identne EN 60335-2-76:1999 + A1:2001
**Safety of household and similar electrical appliances - Part 2: Particular requirements for electric fence energizers**
This standard deals with the safety of electric fence energizers, the rated voltage of which is not more than 250 V and by means of which fence wires in agricultural, feral animal control and security fences may be electrified or monitored.

## 65.060.70
## Aiatööriistad

Horticultural equipment

### UUED STANDARDID

**EVS-EN 50338:2002**
Hind 190,00
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 desinged primarily for use around the home or for similar purposes, the rated voltage of the battery being not more than 42V d.c.

**EVS-EN 60335-2-77:2002**
Hind 295,00
Identne IEC 60335-2-77:1996
ja identne EN 60335-2-77:2000

**Safety of household and similar electrical appliances - Part 2-77: Particular requirements for pedestrian controlled mains-operated lawnmowers**
This standard deals with the safety of pedestrian controlled mains-operated electrical, cylinder or rotary lawnmowAir rated voltage being not more than A250 V single-phase.

## 65.060.80
## Metsatööseadmed

Forestry equipment

### UUED STANDARDID

**EVS-EN 50144-2-15:2002**
Hind 126,00
Identne EN 50144-2-15:2001
**Safety of hand-held electric motor operated tools - Part 2-15: Particular requirements for hedge trimmers**
This standard applies to hedge trimmers which are designed for use by one operator, for trimming hedges and bushes utilizing one or more linear reciprocating cutter blades.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55300
Tähtaeg: 2003-02-01
Identne HD 400.3L S2:1988
**Hand -held motor operated tools - Part II: Particular specification - Section L: Chain saws**
Chain saws operated by two persons are excluded from the scope of this section
prEVS 55301
Tähtaeg: 2003-02-01
Identne HD 400.3N S2:1992
**Hand-held motor operated tools - Part II: Particular specification - Section N: Hedge trimmers and scissor-type grass shears**
This section applies to hedge trimmers and scissor-type grass shears

## 67.050
## Üldised toidu katse- ja analüüsimeetodid

General methods of tests and analysis for food products

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55409
Tähtaeg: 2003-03-01
Identne prEN 1784:2002
**Toiduained. Rasva sisaldava kiiritatud toiduaine väljaselgitamine.Süsivesinike gaasikromatograafiline analüüs**
This European Standard specifies a method for the identification of irradiation treatment of food which contains fat. It is based on the gas chromatographic (GC) detection of radiation-induced hydrocarbons (HC). The method has been successfully tested in interlaboratory trials on raw chicken, pork and beef [1] to [4] as well as on Camembert, avocado, papaya and mango [5], [6]. Other studies demonstrate that the method is applicable to a wide range of foodstuffs [7] to [28]
prEVS 55410
Tähtaeg: 2003-03-01
Identne prEN 1785:2002
**Toiduained. Rasva sisaldava kiiritatud toiduaine väljaselgitamine. 2-alküültsüklobutanooni gaasikromatograafiline / massispektromeetriline analüüs**
This European Standard specifies a method for the identification of irradiation treatment of food containing fat. It is based on the mass spectrometric (MS) detection of radiation-induced 2-alkylcyclobutanones after gas chromatographic (GC) separation [1] to [3]. The method has been successfully tested in interlaboratory trials on raw chicken, pork, liquid whole egg, salmon and Camembert [4] to [8]. Other studies demonstrate that the method is applicable to a wide range of foodstuffs [9] to [21]

## 67.250
## Toiduga kokkupuutuvad materjalid ja esemed

Materials and articles in contact with foodstuffs

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55154
Tähtaeg: 2003-03-01
Identne prEN 10333:2002
**Tin coated steel (tinplate) intended for use in contact with foodstuffs, products and beverages for human and animal consumption**
This European Standard specifies the composition of steel and tin to be used for the production of tinplate coating, either with or without an organic coating, for use in direct contact with foodstuffs or products for human and animal consumption
prEVS 55155
Tähtaeg: 2003-03-01
Identne prEN 10334:2002
**Non-coated steel for packaging (blackplate) intended for use in contact with foodstuffs, products and beverages for human and animal consumption**
This European Standard specifies the maximum content for alloying and residual elements present in steel (generally called blackplate) used in the manufacture of packaging and packaging parts or for coated steel which, as finished products, are intended for use in direct contact with foodstuffs, products and beverages for human and pet food
prEVS 55156
Tähtaeg: 2003-03-01
Identne prEN 10335:2002
**Chromium coated steel intended for use in contact with foodstuffs, products or beverages for human or animal consumption**
This European Standard specifies the steel and the composition of the metallic coating to be used for the manufacture of lacquered electrolytic chromium-coated steel, intended for use in direct contact with foodstuffs or products for human or animal consumption
prEVS 55322
Tähtaeg: 2003-03-01
Identne ISO/DIS 21571:2002
ja identne prEN ISO 21571:2002

**Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction**
This draft standard provides general requirements and specific methods for DNA extraction/purification and quantification. These model methods are described in the annexes. This draft standard has been established for food matrices, but could also be applied to feed and agricultural/environmental matrices with some adaptations, if necessary
prEVS 55323
Tähtaeg: 2003-03-01
Identne ISO/DIS 24276:2002
ja identne prEN ISO 24276:2002
**Foodstuffs - Nucleic acid based methods of analysis for the detection of genetically modified organisms and derived products - General requirements and definitions**
This document - describes how to use the standards for sampling (EN/ISO 21568), extraction (EN/ISO 21571), qualitative nucleic acid analysis (EN/ISO 21570) and quantitative nucleic acid analysis (EN/ISO 21569) and their relationship in the analysis of genetically modified organisms in foodstuffs - contains general definitions, requirements and guidelines for: laboratory set-up, method validation requirements, description of methods, and test reports

## 71.040
## Analüütiline keemia

Analytical chemistry

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55185
Tähtaeg: 2003-02-01
Identne IEC 60746-3:2002
ja identne EN 60746-3:2002
**Expression of performance of electrochemical analyzers - Part 3: Electrolytic conductivity**
Electrolytic conductivity

## 71.040.10
## Keemialaborid. Laboriseadmed

Chemical laboratories. Laboratory equipment

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 40177
Tähtaeg: 2003-02-01
Identne IEC 61010-2-081:2001
ja identne EN 61010-2-081:2002
**Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes**
Applies to automatic and semi-automatic laboratory equipment for analysis and other purposes. Automatic and semi-automatic laboratory equipment consists of instruments or systems for measuring or modifying characteristics of samples, performing the process without manual intervention. Examples of such equipment are: analytical equipment, automatic sampler (e.g. pipettor), equipment for sample replication and amplification.

## 71.040.20
## Laborinõud ja -aparaadid

Laboratory ware and related apparatus

### UUED STANDARDID

**EVS-EN 61207-2:2002**
Hind 190,00
Identne IEC 61207-2:1994+corr:1994
ja identne EN 61207-2:1994
**Expression of performance of gas analyzers - Part 2: Oxygen in gas (utilizing high-temperature electrochemical sensors)**
Applies to gas analyzers using high temperature electrochemical sensors for measurement of oxygen in gas. Applies to both 'in situ' and extractive analyzers installed indoors or outdoors.

## 71.040.40
## Keemiline analüüs

Chemical analysis

### UUED STANDARDID

**EVS-EN 61207-1:2002**
Hind 229,00
Identne IEC 61207-1:1994
ja identne EN 61207-1:1994
**Expression of performance of gas analyzers; part 1: general**
Applies to gas analyzers used for the determination of certain constituents in gaseous mixtures. Specifies general aspects of terminology and definitions related to the performance. Unifies methods for making and verifying statements on functional performance. Specifies tests to determine functional performance.

**EVS-EN 61207-2:2002**
Hind 190,00
Identne IEC 61207-2:1994+corr:1994
ja identne EN 61207-2:1994
**Expression of performance of gas analyzers - Part 2: Oxygen in gas (utilizing high-temperature electrochemical sensors)**
Applies to gas analyzers using high temperature electrochemical sensors for measurement of oxygen in gas. Applies to both 'in situ' and extractive analyzers installed indoors or outdoors.

**EVS-EN 61207-3:2002**
Hind 212,00
Identne IEC 61207-3:2002
ja identne EN 61207-3:2002
**Gas analyzers - Expression of performance - Part 3: Paramagnetic oxygen analyzers**
This standard applies to the three main methods outlined in Section 1.0; it considers essentail ancillary units and it applies to analysers installed indoors and outdoors. It shall be used in conjunction with Publication IEC 1207-1 "Expression of Performance of Gas Analysers". Note: Safety Critical App. may require an additional requirement of system and analyser specifications not covered in this document.

**EVS-EN 61207-6:2002**
Hind 212,00
Identne IEC 61207-6:1994
ja identne EN 61207-6:1994
**Expression of performance of gas analyzers - Part 6: Photometric analyzers**

Applies to analyzers using non-dispersive and dispersive wavelength selection and using absorption, emission, or wavelength derivative techniques. Applies to analyzers receiving conditioned or unconditioned samples of gas under vacuum or pressurized, and to measurements directly within the sample gas.

## 71.100.40
## Pindaktiivsed ained

Surface active agents

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 19938
Tähtaeg: 2003-03-01
Identne EN 13717:2002
**Surface active agents - Determination of primary, secondary and tertiary amino nitrogen - Potentiometric titration**
This European Standard specifies the methods for the determination of primary, secondary and tertiary amino nitrogen content in surface active agents by potentiometric titration

## 71.100.50
## Puidukaitse kemikaalid

Wood-protecting chemicals

### UUED STANDARDID

**EVS-EN 335-1:2002**
Hind 83,00
Identne EN 335-1:1992
**Puidu ja puitmaterjalide vastupidavus. Bioloogilise kahjustuste ohuklasside määratlus. Osa 1: Üldsätted**
Standardi EN 335 käesolev osa määratleb viis ohuklassi, mis võivad puidu ja puidupõhiste toodete mitmesuguste kasutusolukordade puhul esineda. Ühtlasi osutab käesolev osa olulistele bioloogilistele mõjuritele igas olukorras.

**EVS-EN 335-2:2002**
Hind 92,00
Identne EN 335-2:1992
**Puidu ja puitmaterjalide vastupidavus. Bioloogiliste ohuklasside määratlus. Osa 2: Rakendus täispuidule**
Käesolev EN 335 osa 2 annab juhised EN 335 osas 1 määratletud ohuklasside rakenduseks täispuidule sõltuvalt bioloogilistest mõjuritest, mis ohustavad täispuitu. Käesolevat osa tuleb kasutada koos EN 335 osaga 1. Lisa A annab teavet ja juhiseid kasutajale vastava ohuklassi ja sobiva vastupidavuse taseme (kas loodusliku või kaitsevahenditega töötlemisel saavutatu) määramiseks.

**EVS-EN 335-3:2002**
Hind 130,00
Identne EN 335-3:1995
**Puidu ja puitmaterjalide vastupidavus. Bioloogiliste ohuklasside määratlus. Osa 3: Rakendus puitplaatidele**
Käesolev EN 335 osa annab juhised EN 335 osas 1 määratletud ohuklasside süsteemi rakendamiseks puitplaatidele: vineerile, puitlaastplaatidele, orienteeritud laastuga plaatidele, kiudplaatidele, tsementsideainega puitlaastplaatidele ainult bioloogiliste mõjurite korral, mille mõju kestus on küllaldane nende kahjustamiseks. Käesolevat standardi osa tuleb kasutada koos EN 335 osaga 1.

## 71.100.80
## Kemikaalid vee puhastamiseks

Chemicals for purification af water

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55076
Tähtaeg: 2003-03-01
Identne prEN 12903:2002
**Products used for treatment of water intended for human consumption - Powdered activated carbon**
This European Standard is applicable to powdered activated carbon used for treatment of water intended for human consumption. It describes the characteristics of powdered activated carbon and specifies the requirements and the corresponding test methods for powdered activated carbon. It gives information on its use in water treatment
prEVS 55077
Tähtaeg: 2003-03-01
Identne prEN 12907:2002
**Products used for treatment of water intended for human consumption - Pyrolysed coal material**
This European Standard is applicable to pyrolyzed coal material used for treatment of water intended for human consumption. It describes the characteristics of pyrolyzed coal material and specifies the requirements and the corresponding test methods for pyrolyzed coal material. It gives information on its use in water treatment
prEVS 55078
Tähtaeg: 2003-03-01
Identne prEN 12915-1:2002
**Products used for the treatment of water intended for human consumption - Granular activated carbon - Part 1: Virgin granular activated carbon**
This part of prEN 12915 is applicable to virgin granular activated carbon used for treatment of water intended for human consumption. It describes the characteristics of virgin granular activated carbon and specifies the requirements and the corresponding test methods for virgin granular activated carbon. It gives information on its use in water treatment
prEVS 55388
Tähtaeg: 2003-03-01
Identne prEN 881:2002
**Inimtarbevee töötlemiseks kasutatavad kemikaalid. Alumiiniumkloriid, alumiiniumkloriidhüdroksiid ja alumiiniumkloriidhüdroksiidsulfaat (monomeerne)**
This European Standard is applicable to aluminium chloride (monomeric), aluminium chloride hydroxide (monomeric) and aluminium chloride hydroxide sulfate (monomeric) used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of aluminium chloride, aluminium chloride hydroxide and aluminium chloride hydroxide sulfate (monomeric) and refers to the corresponding analytical methods
prEVS 55396
Tähtaeg: 2003-03-01
Identne prEN 882:2002

**Chemicals used for treatment of water intended for human consumption - Sodium aluminate**
This European Standard is applicable to sodium aluminate used for treatment of water intended for human consumption .It describes the characteristics and specifies the requirements of sodium aluminate and refers to the corresponding analytical methods. It also gives information for its use in water treatment
prEVS 55397
Tähtaeg: 2003-03-01
Identne prEN 883:2002

**Chemicals used for treatment of water intended for human consumption - Polyaluminium chloride hydroxyde and polyaluminium chloride hydroxyde sulfate**
This European Standard is applicable to polyaluminium chloride hydroxide and polyaluminium chloride hydroxide sulfate used for treatment of water intended for human consumption .It describes the characteristics and specifies the requirements of polyaluminium chloride hydroxide and polyaluminium chloride hydroxide sulfate and refers to the corresponding analytical methods. It also gives information for their use in water treatment
prEVS 55398
Tähtaeg: 2003-03-01
Identne prEN 888:2002

**Chemicals used for treatment of water intended for human consumption - Iron (III) chloride**
This European Standard is applicable to iron(III) chloride (a), iron(III) chloride hexahydrate (b), iron(III) chloride solution (c) used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements and the corresponding test methods for iron(III) chlorides (a), (b) and (c) and gives information for their use in water treatment
prEVS 55399
Tähtaeg: 2003-03-01
Identne prEN 889:2002

**Chemicals used for treatment of water intended for human consumption - Iron (II) sulfate**
This European Standard is applicable to iron(II) sulfate heptahydrate used for treatment of water intended for human consumption. It describes the characteristics of iron(II) sulfate heptahydrate and specifies the requirements and the corresponding analytical methods for iron(II) sulfate heptahydrate and gives information on its use in water treatment
prEVS 55400
Tähtaeg: 2003-03-01
Identne prEN 890:2002

**Inimtarbevee töötlemiseks kasutatavad kemikaalid. Raud(III)sulfaat**
This European Standard is applicable to iron(III) sulfate of various iron and/or acid contents (see 3.2) used for treatment of water intended for human consumption. It describes the characteristics of iron(III) sulfate and specifies the requirements and the corresponding analytical methods for iron(III) sulfate and gives information on its use in water treatment
prEVS 55401
Tähtaeg: 2003-03-01
Identne prEN 891:2002

**Inimtarbevee töötlemiseks kasutatavad kemikaalid. Raud(III)kloriidsulfaat**
This European Standard is applicable to iron(III) chloride sulfate used for treatment of water intended for human consumption. It describes the characteristics of iron(III) sulfate and specifies the requirements and the corresponding analytical methods for iron(III) chloride sulfate and gives information on its use in water treatment
prEVS 55402
Tähtaeg: 2003-03-01
Identne prEN12902:2002

**Products used for treatment of water intended for human consumption - Inorganic supporting and filtering materials - Methods of test**
This European standard describes methods of test to determine physical and chemical properties of Inorganic Supporting and Filtering Materials (ISFM)

## 73.020
## Mäendus

Mining and quarrying

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55060
Tähtaeg: 2003-03-01
Identne prEN 14066:2002

**Natural stone test methods - Determination of resistance to ageing by thermal shock**
This European Standard specifies a method to assess possible modifications of natural stones under the effect of sudden changes in temperature (thermal shock)

## 73.100.30
## Puurimis- ja väljamisseadmed

Equipment for drilling and mine excavation

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 28529
Tähtaeg: 2003-03-01
Identne prEN 12321:2002

**Underground mining machinery - Specification for the safety requirements of armoured face conveyors**
This European Standard specifies the safety requirements for armoured face conveyors and covers, conveyor drive units, return units, line pans, chain assemblies, devices for tensioning and locking chains

## 75.140
## Vahad, bituumsed materjalid jm naftatooted

Waxes, bituminous materials and other petroleum products

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55320
Tähtaeg: 2003-03-01
Identne prEN 12697-39:2002

**Bituminous mixtures - Test methods for hot mix asphalt - Part 39: Binder content by ignition**

This European Standard describes the procedures to be followed for the determination of the binder content of samples of bituminous mixtures by ignition. As such, it is an alternative to the more traditional method of extracting the binder using solvents
prEVS 55321
Tähtaeg: 2003-03-01
Identne prEN 12697-41:2002
**Bituminous mixtures - Test methods for hot mix asphalt - Part 41: Resistance to de-icing fluids**
This European Standard describes a test method to determine the resistance of bituminous materials to de-icing fluids such as solutions of acetate, formate and urea. The procedure determines the cohesion of a specimen of asphalt mixtures after storage in de-icing fluid, and is intended for dense asphalt mixtures, such as asphalt concrete, and may not be appropriate for more open asphalt mixtures, such as porous asphalt

## 75.180.30
## Volumeetrilised seadmed ja mõõteriistad

Volumetric equipment and measurements

### UUED STANDARDID

**EVS-EN 13352:2002**
Hind 190,00
Identne EN 13352:2002
**Specification for the performance of automatic tank contents gauges**
This European Standard specifies the minimum performance requirements for various classes of automatic tank contents gauges which are limited to static tanks of shop fabricated manufacture both metallic and non metallic, underground and above ground which do not exceed 100 000 l in capacity or 5 m in height

## 77.040.10
## Metallide mehaaniline katsetamine

Mechanical testing of metals

### UUED STANDARDID

**EVS-EN 61788-6:2002**
Hind 126,00
Identne IEC 61788-6:2000
ja identne EN 61788-6:2001
**Superconductivity - Part 6: Mechanical properties measurement; Room temperature tensile test of Cu/Nb-Ti composite superconductors**
Covers a test method detailing the tensile test procedures to be carried out on Cu/Nb-Ti superconductive composite wires at room temperature. This test is used to measure modulus of elasticity, 0,2% proof strength of the composite due to a yelding of the copper component, and tensile strength.

## 77.080.10
## Malmid

Irons

### UUED STANDARDID

**EVS-EN 13835:2002**
Hind 146,00
Identne EN 13835:2002
**Founding - Austenitic cast irons**
This European Standard specifies the grades and corresponding requirements for austenitic cast irons. These requirements are specified in terms of: - graphite form and metal structure: either flake or spheroidal graphite in an austenitic matrix; - chemical composition: as given for each of the grades; - mechanical properties: obtained from separately cast samples

## 77.080.20
## Terased

Steels

### UUED STANDARDID

**EVS 832-1:2002**
Hind 170,00
Identne EVS 832-1:2002
**Teras betooni sarrustamiseks. Keevitatav sarrusteras. Osa 1: Üldised nõuded**
Käesolev Eesti standard määrab kindlaks üldised nõuded betoonkonstruktsioonide sarrustamisel kasutatavatele keevitatavatele sarrusterasele kolmes venivusklassis A, B ja C, mida tarnitakse varraste ja vihtidena, mida saab vahetult või materjalina keevisvõrkude või sarruskarkasside valmistamisel kasutada; tehases valmistatud masinkeevisvõrkudena; sarruskarkassidena ja mille läbimõõt on standardikavandites prEN 10080-2 kuni -5 kindlaks määratud piirides.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55214
Tähtaeg: 2003-03-01
Identne prEN 10021:2002
**Teras- ja raudtoodete üldised tehnilised tarnenõuded**
This European Standard specifies the general technical delivery requirements for all steel products covered by EN 10079 with the exception of steel castings and powder metallurgical products. Where the delivery requirements agreed for the order or specified in the appropriate product standard differ from the general technical delivery requirements defined in this standard, then the requirements agreed for the order or specified in the appropriate product standard apply

## 77.140.01
## Malm- ja terastooted üldiselt

Iron and steel products in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55218
Tähtaeg: 2003-03-01
Identne prEN 10025-4:2002
**Hot rolled products of structural steels - Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels**
Part 4 of this European Standard, in addition to part 1, specifies requirements for flat and long products of hot rolled weldable fine grain structural steels in the thermomechanical rolled condition in the grades and qualities given in tables 2 to 4 (chemical composition) and tables 5 to 7 (mechanical properties) in thickness $\leq$ 120 mm for flat products and in thickness $\leq$ 150 mm for long products
prEVS 55221
Tähtaeg: 2003-03-01
Identne prEN 10025-5:2002

**Hot rolled products of structural steels - Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance**
Part 5 of this European Standard, in addition to part 1, specifies requirements for flat and long products of hot rolled steels with improved atmospheric corrosion resistance in the grades and qualities given in tables 2 and 3 (chemical composition) and tables 4 and 5 (mechanical properties) in the usual delivery conditions as given in 6.3
prEVS 55222
Tähtaeg: 2003-03-01
Identne prEN 10025-6:2002
**Hot rolled products of structural steels - Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition**
Part 6 of this European Standard, in addition to part 1, specifies requirements for flat products of high yield strength alloy special steels. The grades and qualities are given in tables 2 to 4 (chemical composition) and tables 5 to 7 (mechanical properties) and are supplied in the quenched and tempered condition as given in 6.3

## 77.140.15 Armatuurterased

Steels for reinforcement of concrete

### UUED STANDARDID

**EVS 832-1:2002**
Hind 170,00
Identne EVS 832-1:2002
**Teras betooni sarrustamiseks. Keevitatav sarrusteras. Osa 1: Üldised nõuded**
Käesoley Eesti standard määrab kindlaks üldised nõuded betoonkonstruktsioonide sarrustamisel kasutatavatele keevitatavatele sarrusterasele kolmes venivusklassis A, B ja C, mida tarnitakse varraste ja vihtidena, mida saab vahetult või materjalina keevisvõrkude või sarruskarkasside valmistamisel kasutada; tehases valmistatud masinkeevisvõrkudena; sarruskarkassidena ja mille läbimõõt on standardikavandites prEN 10080-2 kuni -5 kindlaks määratud piirides.
**EVS 833-1:2002**
Hind 117,00
Identne EVS 833-1:2002
**Pingestusterased. Osa 1: Üldised nõuded**
Käesolev Eesti standard määrab kindlaks üldised nõuded kõrge tõmbetugevusega terasest toodetele, mida kasutatakse laialdaselt betooni eelpingestamisel ja ka teiste ehitusvaldkondade tõmbeelementides, nagu pinnas-ankrud, tõsteseadmed, sildade kande- ja ankurdustrossid. Käesolev standard rakendub ainult neile toodetele, mille seisund on sama, kui see oli valmistaja poolt tarnimisel.

## 77.140.20 Roostevabad terased

Stainless steels

### UUED STANDARDID

**EVS-EN 10264-4:2002**
Hind 75,00
Identne EN 10264-4:2002
**Steel wire and wire products - Steel wire for ropes - Part 4: Stainless steel wire**
This Part of this European Standard specifies the characteristics of stainless steel wire for the manufacture of ropes that are exposed to corrosion and in some cases to a moderate temperature. This part of this European standard specifies the following for stainless steel wire for ropes - dimensional tolerances; - mechanical characteristics; - requirements relating to the chemical composition of the stainless steel wire; - conditions to be satisfied by any coating

## 77.140.25 Vedruterased

Spring steels

### UUED STANDARDID

**EVS-EN 10151:2002**
Hind 163,00
Identne EN 10151:2002
**Stainless steel strip for springs - Technical delivery conditions**
1.1 This European Standard applies to cold rolled narrow strip of thicknesses up to and including 3 mm in rolled widths less than 600 mm made from the stainless steel grades listed in Table 1. The steels are used in the conditions given in Table 4 for the production of springs and spring parts that are exposed to corrosive effects and sometimes slightly increased temperatures. 1.2 Other steel grades than those listed in Table 1, but covered by prEN 10088-2:2001 can be supplied in the above conditions after agreement between supplier and customer (see also annex A). 1.3 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.

## 77.140.30 Surveotstarbelised terased

Steels for pressure purposes

### UUED STANDARDID

**EVS-EN 10028-1:2002/A1:2002**
Hind 66,00
Identne EN 10028-1:2000/A1:2002
**Lametooted terasest surveseadmetele. Osa 1: Üldnõuded**
This part of EN 10028 specifies the general technical delivery conditions for flat products used principally for the construction of pressure equipments.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 11158
Tähtaeg: 2003-03-01
Identne prEN 10028-2:2002
**Lametooted terasest surveseadmetele. Osa 2: Süsinik- ja legeerterased tööks kõrgematel temperatuurildel**
This European Standard specifies requirements for flat products for pressure equipment made of weldable nonalloy and alloy steels with elevated temperature properties as specified in Table 1. The requirements and definitions of EN 10028-1 also apply
prEVS 55088
Tähtaeg: 2003-03-01
Identne prEN 10028-4:2002

**Flat products made of steels for pressure purposes - Part 4: Nickel alloy steels with specified low temperature properties**
This European Standard specifies requirements for flat products for pressure equipment made of nickel alloy steels as specified in Table 1. The requirements and definitions of EN 10028-1 also apply

## 77.140.50 Lameterastooted ja -pooltooted

Flat steel products and semi-products

### UUED STANDARDID

**EVS-EN 10028-1:2002/A1:2002**
Hind 66,00
Identne EN 10028-1:2000/A1:2002
**Lametooted terasest surveseadmetele. Osa 1: Üldnõuded**
This part of EN 10028 specifies the general technical delivery conditions for flat products used principally for the construction of pressure equipments.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 11158
Tähtaeg: 2003-03-01
Identne prEN 10028-2:2002
**Lametooted terasest surveseadmetele. Osa 2: Süsinik- ja legeerterased tööks kõrgematel temperatuurildel**
This European Standard specifies requirements for flat products for pressure equipment made of weldable nonalloy and alloy steels with elevated temperature properties as specified in Table 1. The requirements and definitions of EN 10028-1 also apply
prEVS 55088
Tähtaeg: 2003-03-01
Identne prEN 10028-4:2002
**Flat products made of steels for pressure purposes - Part 4: Nickel alloy steels with specified low temperature properties**
This European Standard specifies requirements for flat products for pressure equipment made of nickel alloy steels as specified in Table 1. The requirements and definitions of EN 10028-1 also apply
prEVS 55157
Tähtaeg: 2003-03-01
Identne prEN 10169:2002
**Pidevmeetodil orgaanilise materjaliga kaetud (rullis kaetud) tasapinnalised terastooted. Osa 1: Üldinfo (määratlused, materjalid, tolerantsid, katsemeetodid)**
This European Standard provides information on the selection and ordering of continuously organic coated (coil coated) steel flat products and specifies appropriate technical requirements for the products, e.g. for test methods and tolerances on coating thickness, appearance, and product dimensions and shape
prEVS 55227
Tähtaeg: 2003-03-01
Identne prEN 10131:2002
**Cold rolled uncoated low carbon and high yield strength steel flat products for cold forming - Tolerances on dimensions and shape**
This European Standard applies to cold rolled uncoated and electrolytically zinc (EN 10152) or zinc-nickel coated (EN 10271) low carbon and high yield strength steel flat products for cold forming with a minimum thickness of 0,35 mm and, unless otherwise agreed at the time of ordering, less than or equal to 3 mm thick, delivered in sheet, wide strip, slit wide strip or cut lengths obtained from slit wide strip or sheet

## 77.140.65 Terastraat, terastrossid ja ühendusketid

Steel wire, wire ropes and link chains

### UUED STANDARDID

**EVS-EN 10264-3:2002**
Hind 109,00
Identne EN 10264-3:2002
**Steel wire and wire products - Steel wire for ropes - Part 3: Cold drawn and cold shaped non alloyed steel wire for high duty applications**
Steel wire and wire products - Steel wire for ropes - Part 3: Cold drawn and cold shaped non alloyed steel wire for high duty applications

**EVS-EN 10264-4:2002**
Hind 75,00
Identne EN 10264-4:2002
**Steel wire and wire products - Steel wire for ropes - Part 4: Stainless steel wire**
This Part of this European Standard specifies the characteristics of stainless steel wire for the manufacture of ropes that are exposed to corrosion and in some cases to a moderate temperature. This part of this European standard specifies the following for stainless steel wire for ropes - dimensional tolerances; - mechanical characteristics; - requirements relating to the chemical composition of the stainless steel wire; - conditions to be satisfied by any coating

**EVS-EN 12385-8:2002**
Hind 117,00
Identne EN 12385-8:2002
**Steel wire ropes - Safety - Part 8: Stranded hauling and carrying-hauling ropes for cableway installation designed to carry persons**
This European Standard specifies the additional materials, manufacturing and testing requirements to those given in Part 1 for standarded steel wire 'hauling' and 'carrying-hauling' ropes for cableway installations designed tocarry persons. The rope grade is limited to 1960.

## 77.140.70 Terasprofiilid

Steel profiles

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33420
Tähtaeg: 2003-03-01
Identne EN 10162:2002
**Cold rolled steel sections - Technical delivery conditions - Dimensional and cross-sectional tolerances**
This European Standard specifies dimensional and cross-sectional tolerances for cold rolled steel sections produced on roll-forming machines

## 77.140.75 Terastorud ja eriotstarbelised torud

Steel pipes and tubes for specific use

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 38240
Tähtaeg: 2001-02-01
Identne prEN 10305-4:2002

**Steel tubes for precision applications - Technical delivery conditions - Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems**
This European Standard specifies the technical delivery conditions for seamless cold drawn steel tubes of circular cross section used in hydraulic and pneumatic power systems. Tubes according to European are characterized by having precisely defined tolerances on dimensions and a specified surface roughness

## 77.150.10
## Alumiiniumtooted

Aluminium products

### UUED STANDARDID

**EVS-EN 13195-1:2002**
Hind 139,00
Identne EN 13195-1:2002
**Aluminium and aluminium alloys - Wrought and cast products for marine applications (shipbuilding, marine and offshore) - Part 1: Specifications**
This European Standard specifies properties and technical conditions for inspection and delivery of wrought and cast aluminium and aluminium alloy products recommended for marine applications such as shipbuilding, maritime and offshore applications

## 79.040
## Puit, saepalgid ja saepuit

Wood, sawlogs and sawn timber

### UUED STANDARDID

**EVS-EN 384:2002**
Hind 109,00
Identne EN 384:1995
**Ehituspuit. Mehaaniliste omaduste ja tiheduse normväärtuste määramine**
Käesolev standard annab meetodi mehaaniliste omaduste ja tiheduse normväärtuste määramiseks puidukogumi visuaalse ja/või masinsortimisega määratud tugevussortide puhul. Samuti on antud meetod puiduproovi määratud tugevusväärtuse kontrolliks.Käesoleva standardi alusel määratud mehaaniliste omaduste ja tiheduse väärtused on sobivad sortide ja liikide paigutamiseks EN 338 tugevusklassidesse.

**EVS-EN 408:2002**
Hind 130,00
Identne EN 408:1995
**Puitkonstruktsioonid. Ehituspuit ja liimpuit. Mõnede füüsikaliste ja mehaaniliste omaduste määramine**
Käesolev standard spetsifitseerib meetodid ehituspuidu ja liimpuidu järgmiste omaduste määramiseks: paindeelastsusmoodul, paindetugevus, tõmbeelastsusmoodul puidukiuga paralleelsel tõmbel, tõmbetugevus puidukiuga paralleelsel tõmbel, surveelastsusmoodul puidukiuga paralleelsel survel, survetugevus puidukiuga paralleelsel survel. Lisaks on kirjeldatud mõõtmete, niiskussisalduse ja tiheduse määramist. Meetodid on rakendatavad täisnurkse ja ringikujulise (oluliselt konstantse) ristlõikega mitteliidetud monoliitse või hammasliidetega ja liimitud lamellpuidu kohta. Käesolev standard ei ole mõeldud kvaliteedikontrolli katseteks.

**EVS-EN 1611-1:2001/A1:2002**
Hind 57,00
Identne EN 1611-1:1999/A1:2002
**Sawn timber - Appearance grading of softwoods - Part 1: European spruces, firs, pines, Douglas firs and larches**
This European Standard defines appearance grades for European spruces, firs, pines and Douglas firs. The standrd applies to dry and green sawn timber.

## 79.060.01
## Puitpaneelid üldiselt

Wood-based panels in general

### UUED STANDARDID

**EVS-EN 12871:2002**
Hind 146,00
Identne EN 12871:2001
**Wood-based panels - Performance specifications and requirements for load bearing boards for use in floors, walls and roofs**
This European Standard sets out the performance specifications and requirements for load bearing wood-based panels used as structural decking and sheathing in floors, roofs and walls, and provides a method of demonstrating compliance based on prototype testing.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33349
Tähtaeg: 2003-03-01
Identne EN 12871:2001
**Wood-based panels - Performance specifications and requirements for load bearing boards for use in floors, walls and roofs**
This European Standard sets out the performance specifications and requirements for load bearing wood-based panels used as structural decking and sheathing in floord, roofs and walls, and provides a method of demonstrating compliance based on prototype testing

## 79.060.99
## Muud puitpaneelid

Other wood-based panels

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55063
Tähtaeg: 2003-02-01
Identne prEN 13353:2002
**Solid wood panels (SWP) - Requirements**
This European Standard specifies requirements for solid wood panels as defined in EN 12775 for use in dry, humid and exterior conditions as defined in service classes 1, 2 and 3 of ENV 1995-1-1:1993. Additional information on supplementary properties for certain applications is also given

## 79.120.20
## Puidutööriistad

Woodworking tools

### UUED STANDARDID

**EVS-EN 50144-2-14:2002**
Hind 101,00
Identne EN 50144-2-14:2001
**Safety of hand-held electric motor operated tools - Part 2-14: Particular requirements for planers**
This standard applies to planers with a cutting width up to 150 mm. NOTE: For planers with a cutting width above 150 mm other requirements may apply.

## 81.040
## Klaas

Glass

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55470
Tähtaeg: 2003-03-01
Identne ISO/DIS 9100-5:2002
ja identne prEN ISO 9100-5:2002
**Glass containers - Vacuum lug finishes - Part 5: 43 and 48 regular**
This European standard specifies the dimensions of vacuum lug finishes with a nominal size of 43 mm and 48 mm regular for wide-mouth glass containers

## 81.040.20
## Ehitusklaas

Glass in building

### UUED STANDARDID

**EVS-EN 12600:2002**
Hind 179,00
Identne EN 12600:2002
**Glass in building - Pendulum test - Impact test method and classification for flat glass**
This European Standard specifies a pendulum impact test method for single flat panes of glass for use in buildings. The test is intended to classify flat glass products in three principal classes by performance under impact and by mode of breakage. This standard does not specify requirements for applications, nor does it specify requirements for durability

**EVS-EN 12603:2002**
Hind 170,00
Identne EN 12603:2002
**Glass in building - Procedures for goodness of fit and confidence intervals for Weibull distributed glass strength data**
This European Standard specifies procedures for the evaluation of sample data by means of a two-parameter Weibull distribution function

**EVS-EN 1279-3:2002**
Hind 155,00
Identne EN 1279-3:2002
**Glass in building - Insulating glass units - Part 3: Long term test method and requirements for gas leakage rate and for gas concentration tolerances**
This European Standard is the product standard for insulating glass units, which defines insulating glass units, and ensures by means of an adequate evaluation of conformity to this standard that: 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

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55064
Tähtaeg: 2003-03-01
Identne ISO 12543-2:1998/ prA1:2002
ja identne EN ISO 12543-2:1998/ prA1:2002
**Klaas ehitusmaterjalina. Lamineeritud klaas ja kildumatu lamineeritud klaas. Osa 2: Kildumatu lamineeritud klaas**
This Standard specifies performance requirements for laminated safety glass as defined in EN ISO 12543-1

## 81.060.30
## Kõrgtehnoloogiline keraamika

Advanced ceramics

### UUED STANDARDID

**EVS-EN 658-3:2002**
Hind 92,00
Identne EN 658-3:2002
**Advanced technical ceramics - Mechanical properties of ceramic composites at room temperature - Part 3: Determination of flexural strength**
This part of EN 658 describes a method for the determination of the flexural strength of ceramic matrix composite materials with continuous fibre reinforcement, under three-point or four-point bend at room temperature. This method applies to all ceramic matrix composites with a continuous fibre reinforcement, unidirectional (1D), bidirectional (2D), and tridirectional xD with ($2 < x < 3$) as defined in ENV 13233, loaded along one principal axis of reinforcement

## 81.080
## Tulekindlad materjalid

Refractories

### UUED STANDARDID

**EVS-EN 993-18:2002**
Hind 92,00
Identne EN 993-18:2002
**Methods of test for dense shaped refractory products - Part 18: Determination of bulk density of granular materials by the water method with vacuum**
This European Standard specifies a method based on water absorption with vacuum for the determination of the bulk density of granular refractory materials (grain bulk density) having a grain size greater than 2 mm

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 22711
Tähtaeg: 2003-03-01
Identne prEN 1402-1:2002
**Unshaped refractory products - Part 1: Introduction and classification**
This European Standard defines terms relating to unshaped refractory products and establishes the cassification for the various types of products. Raw materials and crushed or granulated refractory materials which do not contain any binder are excluded
prEVS 32195
Tähtaeg: 2003-03-01
Identne prEN 1402-2:2002
**Unshaped refractory products - Part 2: Sampling for testing**
This part of this European Standard gives guidance on the sampling of unshaped refractory materials for the purpose of inspection and testing for quality and general information on the reduction and treatment of samples prior to testing. It covers all materials formulated as unshaped refractory materials
prEVS 34230
Tähtaeg: 2003-03-01
Identne prEN 1402-6:2002
**Unshaped refractory products - Part 6: Measurement of physical properties**
This part of this European Standard specifies methods for the determination of properties of unshaped materials from test pieces prepared and stored according to prEN 1402-5. The methods are applicable to dense

and insulating castables and to ramming materials (including plastics) as defined in prEN 1402-1 before and after firing
prEVS 36661
Tähtaeg: 2003-03-01
Identne prEN 1402-7:2002
**Unshaped refractory products - Part 7: Tests on pre-formed shapes**
This European Standard specifies methods for the testing of as-delivered pre-formed shapes. It applies to shapes fabricated from dense and insulating castables and ramming materials as defined in prEN 1402-1
prEVS 37521
Tähtaeg: 2003-03-01
Identne prEN 1402-3:2002
**Unshaped refractory products - Part 3: Characterization as received**
This part of this European Standard specifies the methods for the characterization of unshaped refractory materials as received and for checking the homogeneity of a delivery of a product. It is applicable to castables (dense and insulating), gunning materials and ramming materials, as defined in prEN 1402-1
prEVS 38111
Tähtaeg: 2003-03-01
Identne prEN 1402-8:2002
**Unshaped refractory products - Part 8: Determination of complementary properties**
This European Standard describes methods for determination of the properties of unshaped refractory materials from test pieces prepared and stored in accordance with prEN 1402-5. The methods complement those described in prEN 1402-6. The methods have been adapted from standards for shaped refractory products to make them applicable to dense and insulating castables, and ramming materials as defined in prEN 1402-1, before and after firing
prEVS 38611
Tähtaeg: 2003-03-01
Identne prEN 1402-4:2002
**Unshaped refractory products - Part 4: Determination of consistency of castables**
This European Standard describes methods for the determination of the consistency of dense and insulating castables as defined in prEN 1402-1
prEVS 38613
Tähtaeg: 2003-03-01
Identne prEN 1402-5:2002
**Unshaped refractory products - Part 5: Preparation and treatment of test pieces**
This part of this European Standard specifies methods for the preparation and treatment (curing, drying and firing) of test pieces from unshaped refractory materials. The dimensions of the test pieces are specified. The methods are applicable to dense and insulating castables and to ramming materials with the four types of chemical composition defined in prEN 1402-1

## 81.100
## Klaasi- ja keraamikatööstuse seadmestik

Equipment for the glass and ceramics industries

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55460
Tähtaeg: 2003-03-01
Identne ISO/DIS 9100-1:2002
ja identne prEN ISO 9100-1:2002
**Glass containers - Vacuum lug finishes - Part 1: Dimensions**
This European standard - together with prEN ISO 9100-2 to prEN ISO 9100-14 - specifies the dimensions of vacuum lug finishes for wide-mouth glass containers
prEVS 55461
Tähtaeg: 2003-03-01
Identne ISO/DIS 9100-2:2002
ja identne prEN ISO 9100-2:2002
**Glass containers - Vacuum lug finishes - Part 2: 33 medium**
This European standard specifies the dimensions of a vacuum lug finish with a nominal size of 33 mm medium for glass containers
prEVS 55464
Tähtaeg: 2003-03-01
Identne ISO/DIS 9100-3:2002
ja identne prEN ISO 9100-3:2002
**Glass containers - Vacuum lug finishes - Part 3: 38 regular**
This European standard specifies the dimensions of a vacuum lug finish with a nominal size of 38 mm regular for wide-mouth glass containers
prEVS 55466
Tähtaeg: 2003-03-01
Identne ISO/DIS 9100-4:2002
ja identne prEN ISO 9100-4:2002
**Glass containers - Vacuum lug finishes - Part 4: 38 medium**
This European standard specifies the dimensions of a vacuum lug finish with a nominal size of 38 mm medium for wide-mouth glass containers
prEVS 55471
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-6:2002
ja identne prEN ISO 9100-6:2002
**Glass containers - Vacuum lug finishes - Part 6: 53 and 58 regular**
This European standard specifies the dimensions of vacuum lug finishes with nominal sizes of 53 mm and 58 mm regular for wide-mouth glass containers
prEVS 55472
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-7:2002
ja identne prEN ISO 9100-7:2002
**Glass containers - Vacuum lug finishes - Part 7: 58 deep**
This European standard specifies the dimensions of vacuum lug finish with nominal size of 58 mm deep for widemouth glass containers
prEVS 55473
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-8:2002
ja identne prEN ISO 9100-8:2002
**Glass containers - Vacuum lug finishes - Part 8: 63, 66 and 70 regular**
prEVS 55474
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-9:2002
ja identne prEN ISO 9100-9:2002
**Glass containers - Vacuum lug finishes - Part 9: 63, 66 and 70 deep**
This European standard specifies the dimensions of vacuum lug finishes with nominal sizes of 63, 66 and 70 mm deep for wide-mouth glass containers
prEVS 55475
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-10:2002
ja identne prEN ISO 9100-10:2002
**Glass containers - Vacuum lug finishes - Part 10: 77 regular**
This European standard specifies the dimensions of a vacuum lug finish with a nominal size of 77 mm regular for wide-mouth glass containers
prEVS 55477
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-11:2002
ja identne prEN ISO 9100-11:2002
**Glass containers - Vacuum lug finishes - Part 11: 82 regular**

This European standard specifies the dimensions of a vacuum lug finish with a nominal size of 82 mm regular for wide-mouth glass containers
prEVS 55479
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-12:2002
ja identne prEN ISO 9100-12:2002
prEVS 55480
Tähtaeg: 2003-04-01
Identne ISO/DIS 9100-13:2002
ja identne prEN ISO 9100-13:2002

## 83.080.01
## Plastid üldiselt

Plastics in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55066
Tähtaeg: 2003-03-01
Identne ISO 6721-1:2001
ja identne EN ISO 6721-1:2002
**Plastics - Determination of dynamic mechanical properties - Part 1: General principles**
The various parts of ISO 6721 specify methods for the determination of the dynamic mehanical properties of rigid plastics within the region of linear viscoelastic behaviour. This part of ISO 6721 is an introductory section which includes the definitions and all aspects that are common to the individual test methods described in the subsequent parts

## 83.120
## Tugevdatud plastid

Reinforced plastics

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 30502
Tähtaeg: 2003-03-01
Identne prEN 14598-1:2002
**Reinforced thermosetting moulding compounds - Specification for Sheet Moulding Compound (SMC) and Bulk Moulding Compound (BMC) - Part 1: Designation**
This part of prEN 14598 establishes a data block system for the designation of Sheet Moulding Compounds (SMC) and Bulk Moulding Compounds (BMC)
prEVS 55453
Tähtaeg: 2003-03-01
Identne preN 14598-2:2002
**Reinforced thermosetting moulding compounds - Specification for Sheet Moulding compound (SMC) and Bulk Moulding compound (BMC) - Part 2: Methods of test and general requirements**
This part of prEN 14598 specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of Sheet Moulding Compound (SMC) and Bulk Moulding Compound (BMC). Requirements for handling test material and for conditioning both of the test material before moulding and of the specimens before testing are found here
prEVS 55454
Tähtaeg: 2003-03-01
Identne prEN 14598-3:2002
**Reinforced thermosetting moulding compounds - Specification for Sheet Moulding Compound (SMC) and Bulk Moulding Compound (BMC) - Part 3: Specific requirements**
This part of prEN 14598 specifies the requirements for physical and chemical properties of Sheet moulding Compounds (SMC) and Bulk Moulding Compound (BMC) and compression or injection moulded specimens. The selection in this part is limited to those materials the composition and properties of which are significantly different

## 83.140
## Kummi- ja plasttooted

Rubber and plastics products

### UUED STANDARDID

**EVS-EN 60454-2:2002**
Hind 283,00
Identne IEC 60454-2:1994
ja identne EN 60454-2:1995
**Specification for pressure-sensitive adhesive tapes for electrical purposes Part 2: Methods of test**
Describes methods of determining the mechanical and electrical resistance and the adhesive properties of pressure-sensitive adhesive tapes, and the test methods to be used.

**EVS-EN 60674-3-4:2002**
Hind 109,00
Identne IEC 60674-3-4 to 6:1993
ja identne EN 60674-3-4 to 6:1995
**Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheets 4 to 6: Requirements for polyimide films used for electrical insulation**
Gives the requirements for the following polyimide-films with or without heat sealable fluoroethylene-propylene (FEP) coatings; based on poly (N, N'-p,p'-oxydiphenylene pyromellitimide) (sheet 4); based on poly (N, N'-p-phenylene biphenyl tetra carboxylimide) (sheet 5); based on poly (N, N'-p,p'-oxydiphenylene biphenyl-tetracarboxylimide) (sheet 6).

## 83.180
## Liimid

Adhesives

### UUED STANDARDID

**EVS-EN 13750:2002**
Hind 126,00
Identne EN 13750:2002
**Domestic water kettles for use on top of stove, cooker or hob - Definitions, requirements and test methods**
This European Standard specifies safety and performance requirements of domestic water kettles for use on top of a stove, cooker or hob and applies to all kettles regardless of material or method of manufacture. This standard does not apply to electric kettles

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55081
Tähtaeg: 2003-03-01
Identne ISO 11343:1993
ja identne EN 14493:2002
**Structural adhesives - Determination of dynamic resistance to cleavage of high strength adhesive bonds under impact conditions - Wedge impact method**
This European Standard specifies a dynamic impact wedge method for the determination of the cleavage resistance under impact loading of high-strength adhesive bonds between two metallic adherends, when tested under specified conditions of preparation and testing. The method allows a choice of sheet metal substrate corresponding to those materials

frequently used in industry, e.g. for automotive applications

## 85.040
## Tselluloos- ja puitmass

### Pulps

### KAVANDITE ARVAMÜSKÜSITLUS

prEVS 55341
Tähtaeg: 2003-03-01
Identne ISO 5264-2:2002
ja identne EN ISO 5264-2:2002
**Tehnilised tselluloosid. Laboratoorne jahvatamine. Osa 2: PFI-veski meetod**
This part of ISO 5264 specifies a method, using a PFI mill, for the laboratory beating of pulp. The description is limited to the sampling and beating of the pult, the withdrawal and distribution of samples, and the beating equipment

## 85.080
## Pabertooted

### Paper products

### UUED STANDARDID

**EVS-EN 12281:2002**
Hind 117,00
Identne EN 12281:2002
**Printing and business paper - Requirements for copy paper for dry toner imaging processes**
This European Standard specifies the performance requirements for uncoated cut-size paper for dry toner imaging processes (i.e. copy paper), in 80 g/m² and in A4 format based on EN ISO 216. Other grammages and sizes of the ISO-A series are covered by this European Standard, as long as the requirements specified in this European Standard are fulfilled

## 85.100
## Paberitööstuse seadmed

### Equipment for the paper industry

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 28324
Tähtaeg: 2003-03-01
Identne prEN 13023:2002
**Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment - Accuracy grades 2 and 3**
This standard specifies all the information necessary to carry out efficiently and under standardized conditions the determination, declaration and verification of airborne noise emission from printing and paper converting machines covered by the EN 1010 series and from paper making and finishing machines covered by the EN 1034 series. It specifies noise measurement methods and installation and operating conditions to be used for the test

## 87.100
## Värvimisvahendid

### Paint coating equipment

### UUED STANDARDID

**EVS-EN 50050:2002**
Hind 109,00
Identne EN 50050:2001
**Electrical apparatus for potentially explosive atmospheres - Electrostatic hand-held spraying equipment**
1.1 This European Standard specifies the constructional and test requirements for hand- held and hand-operated electrostatic spraying apparatus and associated apparatus which can be used to spray flammable liquid coating materials, flammable coating powders or flammable flock in spraying areas which may or may not contain flammable adhesives. These spraying devices are considered to be apparatus of group II category 2 in accordance with Directive 94/9/EC for use in potentially explosive atmospheres formed by their spray cloud.

**EVS-EN 50176:2002**
Hind 109,00
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.

**EVS-EN 50177:2002**
Hind 117,00
Identne EN 50177:1996
**Automatic electrostatic spraying installations for flammable coating powder**
This European Standard specifies requirements for automatic electrostatic spraying installations which are used for spraying flammable coating powders 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.

**EVS-EN 50223:2002**
Hind 109,00
Identne EN 50223:2001
**Automatic electrostatic application equipment for flammable flock material**
This European Standard specifies requirements for automatic electrostatic spraying installations which are used for spraying flammable flock 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.

**EVS-EN 50144-2-7:2002**
Hind 75,00
Identne EN 50144-2-7:2000
**Safety of hand-held electric motor operated tools - Part 2-7: Particular requirements for sprayA guns**
This standard applies to spray guns for non-flammable materials. This standard does not give requirements for the reduction of the risk arising from noise and vibration..

## 91.010
## Ehitus(tööstus)

Construction industry

### UUED STANDARDID

**EVS 812-1:2002**
Hind 179,00
Identne EVS 812-1:2002
**Ehitiste tuleohutus. Osa 1: Sõnavara**
Käesolev standard sätestab ehitusliku tuleohutuse mõisted.

## 91.010.01
## Ehitus(tööstus) üldiselt

Construction industry in general

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55478
Tähtaeg: 2003-02-03
Identne EVS 834:2003
**Ehitusettevõtete kvalifitseerimine**

## 91.010.30
## Tehnilised aspektid

Technical aspects

### UUED STANDARDID

**EVS-EN 1990:2002**
Hind 0,00
Identne EN 1990:2002
**Eurokoodeks. Ehituskonstruktsioonide projekteerimise alused**
EN 1990 kehtestab põhimõtted ja nõuded konstruktsioonide ohutusele, kasutuskõlblikkusele ja kestvusele, kirjeldab nende projekteerimise ja kontrolli aluseid ning annab juhised konstruktsioonide töökindluse kohta. EN 1990 on ette nähtud kasutamiseks koos EN 1991 kuni EN 1999-ga hoonete ja rajatiste konstruktsioonide projekteerimisel, hõlmates ka geotehnika aspekte, ehituslikku tuleohutust ning maavärina, ehitamise ja ajutiste konstruktsioonidega kaasnevaid olukordi.

**EVS-EN 1991-1-1:2002**
Hind 212,00
Identne EN 1991-1-1:2002
**Eurokoodeks 1: Ehituskonstruktsioonide koormused. Osa 1-1: Üldkoormused . Mahukaalud, omakaalud, hoonete kasuskoormused**
EN 1991-1-1 annab hoonete ja rajatiste konstruktsioonide projekteerimiseks juhised ja koormused, kaasa arvatud mõningad geotehnilised aspektid.: ehitusmaterjalide ja ladustatud materjalide mahukaalud, ehitiste omakaal, hoone kasuskoormused.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 53983
Tähtaeg: 2003-02-03
Identne EVS 829:2003
**Soojuskadude määramise metoodika**

## 91.020
## Projekteerimine. Linnaplaneerimine

Physical planning. Town planning

### UUED STANDARDID

**EVS 809-1:2002**
Hind 212,00
Identne EVS 809-1:2002
**Kuritegevuse ennetamine. Linnaplaneerimine ja arhitektuur. Osa 1: Linnaplaneerimine**
Standard toob ära erinevaid kuriteo riski ja/või kuriteohirmu hindamise meetodeid ning nende riskide vähendamise vahendeid, menetlusi ja tegevuskavu.
Projekteerimisjuhendid erinevate kuriteoprobleemide ennetamiseks või nende vastu võitlemiseks on esitatud elukeskkonna tüüpide kaudu. Esitatud on ka järjepidevad tegevuskavad kõikide linnaplaneerimise ja kuritegevuse ennetamisega seotud osapoolte ning teiste, peamiselt piirkondliku ja kohaliku võimu esindajad ja elanikud, kaasamiseks ametkondadevahelisse kuritegevuse ennetamise ja kuritegevuse hirmu vähendamise tegevusse.

## 91.040.01
## Hooned üldiselt

Building in general

### UUED STANDARDID

**EVS 812-2:2002**
Hind 155,00
Identne EVS 812-2:2002
**Ehitiste tuleohutus. Osa 2: Ventilatsioonisüsteemid ja suitsueemaldus**
Käesolev standard sätestab tuleohutusnõuded ehitiste ventilatsiooni- ja siutsueemaldussüsteemide projekteerimisele, ehitamisele ja ekspluatatsioonile.

## 91.060
## Ehituselemendid

Elements of buildings

### UUED STANDARDID

**EVS 812-3:2002**
Hind 170,00
Identne EVS 812-3:2002
**Ehitiste tuleohutus. Osa 3: Küttesüsteemid**
Käesolev standard käsitleb ehitiste kütmiseks, auru tootmiseks ja kütuse hoidmiseks ettenähtud ruumide ja seadmete tuleohutust.

## 91.060.40
## Korstnad, lõõrid, kanalid

Chimneys, shafts, ducts

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55061
Tähtaeg: 2003-03-01
Identne EN 1457:1999/A1:2002
**Chimneys -Clay/Ceramic Flue Liners - Requirements and test methods**
This European standard is a product standard for clay/ceramic flue liners with solid walls or walls with vertical perforations for use in the construction of chimneys and flue pipes which serve to convey products of combustion from fireplaces or heating appliances to the atmosphere by negative or positive pressure

## 91.060.50
## Uksed ja aknad

Doors and windows

### UUED STANDARDID

**EVS-EN 12216:2002**
Hind 259,00
Identne EN 12216:2002
**Shutters, external blinds, internal blinds - Terminology, glossary and definitions**
This document applies to all types of blinds, awnings and shutters regardless of their purpose, and design, and the component materials, as they are normally used and applied in buildings. It does

not apply to industrial, commercial and garage doors (for houses and dwellings).

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 52728
Tähtaeg: 2003-01-02
Identne EN 12433-2:1999
**Tööstus-, kommerts- ning garaažiuksed ja väravad. Terminoloogia. Osa 2: Ukseosad**
This standard specifies the terms for parts of most types of doors, gates and barriers in common use. The terms used are therefore also applicable for barriers.

## 91.080.20 Puitkonstruktsioonid

Timber structures

### UUED STANDARDID

**EVS-EN 408:2002**
Hind 130,00
Identne EN 408:1995
**Puitkonstruktsioonid. Ehituspuit ja liimpuit. Mõnede füüsikaliste ja mehaaniliste omaduste määramine**
Käesolev standard spetsifitseerib meetodid ehituspuidu ja liimpuidu järgmiste omaduste määramiseks: paindeelastsusmoodul, paindetugevus, tõmbeelastsusmoodul puidukiuga paralleelsel tõmbel, tõmbetugevus puidukiuga paralleelsel tõmbel, surveelastsusmoodul puidukiuga paralleelsel survel, survetugevus puidukiuga paralleelsel survel. Lisaks on kirjeldatud mõõtmete, niiskussisalduse ja tiheduse määramist. Meetodid on rakendatavad täisnurkse ja ringikujulise (oluliselt konstantse) ristlõikega mitteliidetud monoliitse või hammasliidetega ja liimitud lamellpuidu kohta. Käesolev standard ei ole mõeldud kvaliteedikontrolli katseteks.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55163
Tähtaeg: 2003-03-01
Identne prEN 14592:2002
**Timber structures - Fasteners - Requirements**
For the purpose of this standard, fasteners for timber structures are taken to be nails, staples, screws, dowels, and bolts. Definitions of these items are given in clause 4 below. Only products manufactured from steel are covered by this standard

## 91.080.40 Betoonkonstruktsioonid

Concrete structures

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 35607
Tähtaeg: 2003-03-01
Identne prEN 12617-1:2002
**Products and systems for the protection and repair of concrete structures - Test methods - Part 1: Determination of linear shrinkage for polymers and surface protection systems (SPS)**
This European Standard specifies a method for determining the linear shrinkage of solvent free multicomponent cold curing reactive resins for the protection and repair of concrete structures
prEVS 36281
Tähtaeg: 2003-03-01
Identne prEN 13062:2002
**Products and systems for the protection and repair of concrete structure - Test method - Determination of thixotropy of products for protection of reinforcement**
This European Standard specifies a method for determining the thixotropy of products and systems intended for the protection of reinforcement
prEVS 55164
Tähtaeg: 2003-02-01
Identne EN 50144-2-13:2002
**Safety of hand-held electric motor operated tools - Part 2-13: Particular requirements for chain saws**
This standard applies to chain saws but does not apply to chain saws operated by two persons and to polecutters and pruners. This standards does not give requirements for the design of the tool to reduce the risks arising from noise and vibration

## 91.090 Väliskonstruktsioonid

External structures

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 27826
Tähtaeg: 2003-02-01
Identne IEC 60335-2-95:1998
ja identne EN 60335-2-95:2001
**Safety of household and similar electrical appliances - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use**
This standard deals with the safety of non automatic electric drives for garage doors for residential use by one household only which open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances. It covers the hazards associated with the closing and opening movement of door leaf.

## 91.100 Ehitusmaterjalid

Conctruction materials

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 37412
Tähtaeg: 2003-02-03
Identne EVS 853:2003
**Ribilised põrandaelemendid**
This standard deals with precast concrete ribbed elements used in floors or roofs. The elements consist of a top slab and one or more (usually two) ribs, containing the main longitudinal reinforcement; a bottom slab and transversal ribs may also be present.

## 91.100.10 Tsement. Kips. Lubi. Mört

Cement. Gypsum. Lime. Mortar

### UUED STANDARDID

**EVS-EN 12002:2002**
Hind 83,00
Identne EN 12002:2002
**Adhesives for tiles - Determination of transverse deformation for cementitious adhesives and grouts**

This European Standard specifies the test method to be used to determine the transverse deformation of cementitious ceramic tile adhesives and grouts. This standard is applicable to all cementitious ceramic tile adhesives and grouts for internal and external tile installations on floors and walls

**EVS-EN 480-13:2002**
Hind 66,00
Identne EN 480-13:2002
**Admixtures for concrete, mortar and grout - Test methods - Part 13: Reference masonry mortar for testing mortar admixtures**
This Standard specifies the constituent materials, the composition and the mixing procedure to produce a reference masonry mortar with standard consistence for testing mortar admixtures as defined in EN 934-3. It also describes the determination of the water reduction of the test mix compared to the control mix

**EVS-EN 13892-1:2002**
Hind 83,00
Identne EN 13892-1:2002
**Methods of test for screed materials - Part 1: Sampling, making and curing specimens for test**
This European standard specifies a method for sampling of mixed screed materials, making and curing of specimens for subsequent testing

**EVS-EN 13892-2:2002**
Hind 75,00
Identne EN 13892-2:2002
**Methods of test for screed materials - Part 2: Determination of flexural and compressive strength**
This European Standard specifies a method for determining the flexural and compressive strength of moulded mortar specimens made from cementitious-, calcium sulfate screed-, magnesite screed- and synthetic resin screed material. These methods are also suitable for specimens cut from floor screed

**EVS-EN 13892-6:2002**
Hind 75,00
Identne EN 13892-6:2002
**Methods of test for screed materials - Part 6: Determination of surface hardness**
This European standard specifies a method for determining the surface hardness of moulded mortar specimens made from magnesite screed material or from cementitious screed-, calcium sulphate screed-, magnesia screed- and synthetic resin screed material with fine aggregates (<4 mm). The method is also suitable for specimens cut from floor screed

## 91.100.15
## Mineraalsed materjalid ja tooted

Mineral materials and products

### UUED STANDARDID

**EVS-EN 1367-5:2002**
Hind 75,00
Identne EN 1367-5:2002
**Tests for thermal and weathering properties of aggregates - Part 5: Determination of resistance to thermal shock**
This European Standard specifies methods for the determination of resistance to thermal shock of aggregates, subject to heating and drying in the production of hot bituminous mixtures

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55060
Tähtaeg: 2003-03-01
Identne prEN 14066:2002
**Natural stone test methods - Determination of resistance to ageing by thermal shock**
This European Standard specifies a method to assess possible modifications of natural stones under the effect of sudden changes in temperature (thermal shock)

## 91.100.30
## Betoon ja betoontooted

Concrete and concrete products

### UUED STANDARDID

**EVS 832-1:2002**
Hind 170,00
Identne EVS 832-1:2002
**Teras betooni sarrustamiseks. Keevitatav sarrusteras. Osa 1: Üldised nõuded**
Käesolev Eesti standard määrab kindlaks üldised nõuded betoonkonstruktsioonide sarrustamisel kasutatavatele keevitatavatele sarrusterasele kolmes venivusklassis A, B ja C, mida tarnitakse varraste ja vihtidena, mida saab vahetult või materjalina keevisvõrkude või sarruskarkasside valmistamisel kasutada; tehases valmistatud masinkeevisvõrkudena; sarruskarkassidena ja mille läbimõõt on standardikavandites prEN 10080-2 kuni -5 kindlaks määratud piirides.

**EVS 833-1:2002**
Hind 117,00
Identne EVS 833-1:2002
**Pingestusterased. Osa 1: Üldised nõuded**
Käesolev Eesti standard määrab kindlaks üldised nõuded kõrge tõmbetugevusega terasest toodetele, mida kasutatakse laialdaselt betooni eelpingestamisel ja ka teiste ehitusvaldkondade tõmbeelementides, nagu pinnas-ankrud, tõsteseadmed, sildade kande- ja ankurdustrossid. Käesolev standard rakendub ainult neile toodetele, mille seisund on sama, kui see oli valmistaja poolt tarnimisel.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 20378
Tähtaeg: 2003-02-03
Identne EVS 857:2003
**Betoonist sillutiseplaadid. Nõuded ja katsemeetodid**
This standard specifies materials, properties, requirements and methods of testing for precast concrete flags and complementary fittings. This standard is applicable to precast concrete flags that are particulary in use for external paved trafficked areas.
prEVS 20379
Tähtaeg: 2003-02-03
Identne EVS 856:2003
**Betoonist sillutisekivid. Nõuded ja katsemeetodid**
This standard is to specify materials, properties, requirements and methods of testing for precast concrete paving blocks and complementary fittings. This standard is applicable to precast concrete paving blocks for pedestrian and vehicular use e.g. footpaths, precincts, cycle tracks, car parks, roads, highways, industrial areas (including docks

and harbours), aircraft pavements, bus stations, petrol filling stations.
prEVS 37105
Tähtaeg: 2003-03-01
Identne prEN 13198:2002
**Precast concrete products - Street furniture and garden products**
This European Standard specifies the requirements for street furniture and garden products in precast concrete. This kind of prefabricated, non-structural products and accessories can be used in public and private areas such as gardens, parks, foot-paths, squares, essentially for the landscaping, without, however, being subject to loads resulting from vehicle traffic. They can also be used for internal applications
prEVS 37412
Tähtaeg: 2003-02-03
Identne EVS 853:2003
**Ribilised põrandaelemendid**
This standard deals with precast concrete ribbed elements used in floors or roofs. The elements consist of a top slab and one or more (usually two) ribs, containing the main longitudinal reinforcement; a bottom slab and transversal ribs may also be present.
prEVS 37491
Tähtaeg: 2003-02-03
Identne EVS 854:2003
**Lineaarsed kandvad betoonelemendid**
This standard identifies the requirements and the basic performance criteria and specifies minimum values where appropriate for precast linear elements made of reinforced or prestressed concrete. The standard covers terminology, performance criteria, preferred shapes and dimensions, tolerances, relevant physical properties, special test methods, and special aspects of transport, erection and connection.
prEVS 54075
Tähtaeg: 2003-02-03
Identne EVS 851:2002
**Betoonist vundamendivaiad**

## 91.100.99
## Muud ehitusmaterjalid

Other construction materials

### UUED STANDARDID

**EVS-EN 12600:2002**
Hind 179,00
Identne EN 12600:2002
**Glass in building - Pendulum test - Impact test method and classification for flat glass**
This European Standard specifies a pendulum impact test method for single flat panes of glass for use in buildings. The test is intended to classify flat glass products in three principal classes by performance under impact and by mode of breakage. This standard does not specify requirements for applications, nor does it specify requirements for durability

## 91.120.10
## Soojusisolatsioon

Thermal insulation

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 53983
Tähtaeg: 2003-02-03
Identne EVS 829:2003
**Soojuskadude määramise metoodika**

## 91.120.30
## Niiskuskaitse

Waterproofing

### UUED STANDARDID

**EVS-EN 50164-1:2002**
Hind 109,00
Identne EN 50164-1:1999
**Lightning protection components (LPC) - Part 1: Requirements for connection components**
This European Standard specifies the requirements and tests for metallic connection components such as connectors, bonding and bridging components, expansion pieces as well as test joints for Lightning Protection Systems (LPS).

## 91.120.40
## Piksekaitse

Lightning protection

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55143
Tähtaeg: 2003-01-01
Identne IEC 61024-1:1990
**Ehitiste piksekaitse. Osa 1: Üldmõisted**
This standard is applicable to the design and installation of Lightning Protection Systems (LPS) for common structures up to 60 m high.
prEVS 55144
Tähtaeg: 2003-01-01
Identne IEC 61024-1-1:1993
**Ehitiste piksekaitse. Osa1-1: Üldmõisted. Juhis A: Piksekaitse süsteemide kaitsetasemete valik**
Contains information on the classification of structures according to the consequential effects of a lightning stroke. Gives procedures for the selection of a lightning protection system. Is to be used with part 1.
prEVS 55146
Tähtaeg: 2003-01-01
Identne IEC 61024-1-2:1998
**Ehitiste piksekaitse. Osa1-2: Üldmõisted. Juhis B: Pikskaitse süsteemide projekteerimine, paigaldamine, hooldus ja kontroll**
Applicable to the design and installation of Lightning Protection Systems (SPS) for common structures up to 60 m high, in accordance with IEC 61024-1. Provides guidelines on how to use IEC 61024-1 and assists the user with the physical design and construction, maintenance and inspection of an LPS

## 91.140.10
## Keskküttesüsteemid

Central heating systems

### UUED STANDARDID

**EVS 812-3:2002**
Hind 170,00
Identne EVS 812-3:2002
**Ehitiste tuleohutus. Osa 3: Küttesüsteemid**
Käesolev standard käsitleb ehitiste kütmiseks, auru tootmiseks ja kütuse hoidmiseks ettenähtud ruumide ja seadmete tuleohutust.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 7025
Tähtaeg: 2003-03-01
Identne prEN 14037-1:2002
**Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 1: Technical specifications and requirements**

This European Standard defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source. The European Standard does not apply to independent heating appliances. The European Standard also defines the additional common data that the manufacturer shall provide to the trade in order to ensure the correct application of the products

prEVS 55054
Tähtaeg: 2003-03-01
Identne EN 303-1:1999/prA1:2002
**Küttekatlad. Sundtõmbepõletitega küttekatlad. Osa 1: terminoloogia, üldnõuded, testimine ja märgistus**
This European Standard applies to standard boilers and low-temperature boilers with forced draught burners with a nominal heat output not exceeding 1000 kW, which are operated either with negative pressure (natural draught boilers) or with positive pressure (pressurised boiler) in the combustion chamber, in accordance with the boiler manufacturers instruction

prEVS 55055
Tähtaeg: 2003-03-01
Identne EN 303-2:1998/prA1:2002
**Heating boilers - Part 2: Heating boilers with forced draught burners - Special requirements for boilers with atomizing oil burners**
This European Standard applies to low-temperature boilers in accordance with EN 303-1:1999/prA1 and specifies the heating-related requirements necessary for liquid fuels for low-temperature boilers and the required additional tests on oil-fired low-temperature boilers

prEVS 55056
Tähtaeg: 2003-03-01
Identne EN 304:1992/prA2:2002
**Heating boilers Test code for heating boilers for atomizing oil burners**
This European Standard applies to low-temperature boilers in accordance with EN 303-1 and specifies the deviating boundary conditions for the heating-related tests on low-temperature boilers fired with liquid fuel

prEVS 55057
Tähtaeg: 2003-03-01
Identne prEN 14037-2:2002
**Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 1: Technical specifications and requirements**
This European Standard defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source. The European Standard does not apply to independent heating appliances

prEVS 55059
Tähtaeg: 2003-03-01
Identne prEN 14037-3:2002
**Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 3: Rating method and evaluation of radiant thermal output**
This European Standard describes the procedure to determine the rated thermal output and the mean surface temperature (trp). Ceiling mounted radiant panels exchange heat mainly by radiation

prEVS 55065
Tähtaeg: 2003-03-01
Identne EN 442-2:1996/prA2:2002
**Radiaatorid ja konvektorid. Osa 2: Katsemeetodid ja hindamine**
This European Standard defines procedures for determining the standard thermal output of the heating appliances fed with water or steam at temperatures below 120°C, supplied by a remote heat source. This European Standard specifies the laboratory arrangements and testing methods to be adopted, the admissible tolerances, the criteria for selecting the samples to be tested and for verifying the conformity of the current production with the samples tested at the initial test

## 91.140.30 Ventilatsiooni- ja kliimasüsteemid

Ventilation and air-conditioning systems

### UUED STANDARDID

**EVS 812-2:2002**
Hind 155,00
Identne EVS 812-2:2002
**Ehitiste tuleohutus. Osa 2: Ventilatsioonisüsteemid ja suitsueemaldus**
Käesolev standard sätestab tuleohutusnõuded ehitiste ventilatsiooni- ja siutsueemaldussüsteemide projekteerimisele, ehitamisele ja ekspluatatsioonile.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 53984
Tähtaeg: 2003-02-03
Identne EVS 830:2003
**Kütte-ventilatsiooniseadmete hooldamiseks vajalikud meetmed**

prEVS 53985
Tähtaeg: 2003-02-03
Identne EVS 831:2003
**Ventilatsiooni tingmärgid**

## 91.140.50 Elektrivarustussüsteemid

Electricity supply systems

### UUED STANDARDID

**EVS-EN 60387:2002**
Hind 212,00
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.

**EVS-EN 61140:2002**
Hind 259,00
Identne IEC 61140:2001
ja identne EN 61140:2002
**Protection against electric shock - Common aspects for installation and equipment**
Applies to the protection of persons and animals against electric shock. It is intended to give fundamental principles and requirements which are common to electrical installations, systems and equipment or necessary for their co-ordination. Prepared for installations, systems and equipment without a voltage limit. NOTE - There are some clauses in this standard which refer to low-voltage and high-voltage systems, installations and equipment. For the purpose of this standard, low - voltage is any rated voltage up to and including 1 000 V a.c. or 1 500

V d.c. High voltage is any rated voltage exceeding 1 000 V a.c. or 1 500 V d.c. The requirements of this standard apply only if they are incorporated, or are referred to, in the relevant standards. It is not intended to be used as a stand-alone standard. Has the status of a basic safety publication in accordance with IEC Guide 104.

**EVS-EN 50174-2:2002**
Hind 199,00
Identne EN 50174-2:2000
**Information technology - Cabling installation - Part 2: Installation planning and practices inside buildings**
This European standard specifies the basic requirements for the specification, implementation and operation of information technology cabling using balanced copper cabling and fibre optic cabling. This standard is applicable to: a) cabling designed to support particular analogue and digital telecommunications services including voice services; b) generic cabling systems designed in accordance with EN 50173 and intended to support a wide range of telecommunications services.

**EVS-HD 384.4.482 S1:2002**
Hind 75,00
Identne HD 384.4.482 S1:1997
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 48: Choice of protective measures as a function of external influences - Section 482: Protection against fire where particular risks or danger exist**
Selection and erection of installations on locations with risks of fire due to the nature of processed or stored materials like the manufacturing, processing, storage of combustible materials, including the accumulation of dust as in barns, woodworking factories, paper mills, textile factories or similar.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 27570
Tähtaeg: 2003-02-01
Identne IEC 364-4-43:1977 + A1:1997
ja identne HD 384.4.43 S2:2001
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 43: Protection against overcurrent**
Sets out general rules for protection of live conductors against overload and short circuit. Specifies the features of various protective devices and necessary coordination between conductors and overload protective devices.
prEVS 35020
Tähtaeg: 2003-02-01
Identne IEC 60364-4-46:1981
ja identne HD 384.4.46 S2:2001
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 46: Isolation and switching**
Electrical installations of buildings - Isolation and switching
prEVS 37485
Tähtaeg: 2003-02-01
Identne IEC 60364-1:1992
ja identne HD 384.1S2:2001
**Electrical installations of buildings - Part 1: Scope, object and fundamental principles**
This harmonisation document applies to electrical installations such as those of: residential premises, commercial premises, public premise, industrial premises, agricultural and horticultural premises, prefabricated buildings, caravans, caravan sites and similar sites, construction sites, exhibitions, fairs and others temporary installations, marinas and pleasure craft. It covers: circuits supplied at nominal voltages up to and including 1000V a.c. or 1500V d.c., for a.c. the preferred frequencies which are taken into account in this standard are 50Hz, 60Hz, and 400Hz, circuits other than the internal wiring of apparatus, operating at voltages exceeding discharge lighting, electrostatic precipitators, wiring systems and cables not specifically covered by the standards for appliances, consumer installations external to buildings, fixed wiring for telecommunications, signalling, control and the like, the extension or alteration of the installation.
prEVS 55091
Tähtaeg: 2003-02-01
Identne IEC 62056-21:2002
ja identne EN 62056-21:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 21: Direct local data exchange**
Describes hardware and protocol specifications for local meter data exchange. In such systems, a hand-held unit (HHU) or a unit with equivalent functions is connected to a tariff device or a group of devices.
prEVS 55092
Tähtaeg: 2003-02-01
Identne IEC 62056-42:2002
ja identne EN 62056-42:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 42: Physical layer services and procedures for connection-oriented asynchronous data exchange**
Specifies the physical layer services and protocols within the Companion Specification for Energy Metering (COSEM) three-layer connection oriented profile for asynchronous data communication.
prEVS 55093
Tähtaeg: 2003-02-01
Identne IEC 62056-46:2002
ja identne EN 62056-46:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 46: Data link layer using HDLC protocol**
Specifies the data link layer for connection-oriented, HDLC-based, asynchronous communication profile.
prEVS 55094
Tähtaeg: 2003-02-01
Identne IEC 62056-53:2002
ja identne EN 62056-53:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 53: COSEM application layer**
Specifies the COSEM application layer in terms of structure, services and protocols, for COSEM clients and
prEVS 55095
Tähtaeg: 2003-02-01
Identne IEC 62056-61:2002
ja identne EN 62056-61:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 61: Object identification system (OBIS)**
The OBject Identification System (OBIS) defines the identification codes (ID-codes) for commonly used data items in electricity metering equipment. This part of IEC 62056 specifies the overall structure of the identification

system and the mapping of all data items to their identification codes.
prEVS 55096
Tähtaeg: 2003-02-01
Identne IEC 62056-62:2002
ja identne EN 62056-62:2002
**Electricity metering - Data exchange for meter reading, tariff and load control - Part 62: Interface classes**
Specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object oriented methods, in the form of interface classes to model meters from simple up to very complex functionality.
prEVS 55287
Tähtaeg: 2003-02-01
Identne IEC 60050-826:1982+ A1+A2+A3:1999
ja identne HD 384.2 S2:2001
**International electrotechnical vocabulary - Chapter 826: Electrical installations og buildings**
International electrotechnical vocabulary - Chapter 826: Electrical installations og buildings
prEVS 55292
Tähtaeg: 2003-02-01
Identne IEC 364-4-42:1980
ja identne HD 384.4.42 S1:1985+ A1:1992+A2:1994
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 42: Protection against electric shock**
Persons, fixed equipment, and fixed materials adjacent to electrical equipment shall be protected against harmful effects of heat developed by electrical equipment, or thermal radiation, particularly the following effects: - combustion or degradation of materials; - risk of burns; - impairment of the safe function of installed equipment.
prEVS 55294
Tähtaeg: 2003-02-01
Identne IEC 364-4-45:1984
ja identne HD 384.4.45 S1:1989
**Electrical installations of buildings - Part 4: Protection for safety - chapter 45: Protection against undervoltage**
Electrical installations of buildings - Part 4: Protection for safety - chapter 45: Protection against undervoltage
prEVS 55295
Tähtaeg: 2003-02-01
Identne IEC 364-5-56:1980
ja identne HD 384.5.56 S1:1985
**Electrical installations of buildings - Part 5: Selection an erection of electrical equipment - Chapter 56: Supplies for safety services**
The scope of this harmonisation Document is Cenelec Harmonisation Document
HD 384.1
prEVS 55296
Tähtaeg: 2003-02-01
Identne IEC 364-6-61:1986
ja identne HD 384.6.61 S1:1992
**Electrical installations of buildings - part 6: Verification - Chapter 61: Initial verification**
Electrical installations of buildings - Initial verification
prEVS 55298
Tähtaeg: 2003-02-01
Identne IEC 364-7-702:1983
ja identne HD 384.7.702 S1:1991
**Electrical installations of buildings - Part 7: Requirements for special installations or locations - Section 702: Swimming pools**
Electrical installations of buildings - Swimming pools
prEVS 55299
Tähtaeg: 2003-02-01
Identne IEC 60364-7-704:1989
ja identne HD 384.7.704 S1:2000
**Electrical installations of buildings - Part 7: Requirements for special installations or locations - Section 704: Constructions and demolition site installations**
The requirements of Part 7 supplement, modify and replace the general requirements of the other parts
prEVS 55344
Tähtaeg: 2003-02-01
Identne IEC 60364-4-443:1995
ja identne HD 484.4.443 S1:2000
**Electrical installations of buildings - Part 4: Protection for safety - Chapter 44: Protection against overvoltage - Section 443: Protection against overvoltage of atmospheric origin or due to switching**
Electrical installations of buildings - Protection for safety - Protection against overvoltage -Protection against overvoltage of atmospheric origin or due to switching

## 91.140.60 Veevarustussüsteemid

Water supply systems

## UUED STANDARDID

**EVS-EN 12729:2002**
Hind 66,00
Identne EN 12729:2002
**Devices to prevent pollution by backflow of potable water - Controllable backflow preventer with reduced pressure zone - Family B - Type A**
This European Standard specifies the field of application, the dimensional, the physico-chemical, the design, the hydraulic, the mechanical, and the acoustic characteristics of controllable backflow preventer with reduced pressure zone Family B Type A

**EVS-EN 50193:2002**
Hind 92,00
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.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55086
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15875-2:2002
ja identne prEN ISO 15875-2:2002
**Plastics piping systems for hot and cold water installations - Crosslinked polethylene (PE-X) - Part 1: General**
This Part of prEN ISO 15875 specifies the general aspects of crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures according to the class of application (see Table 1)

prEVS 55111
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15875-3:2002
ja identne prEN ISO 15875-3:2002
**Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings**
This Part of prEN ISO 15875 specifies the characteristics of fittings for crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption, (domestic systems) and for heating systems, under design pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15875-1:2002)
prEVS 55114
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15875-5:2002
ja identne prEN ISO 15875-5:2002
**Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 5: Fitness for purpose of the system**
This Part of prEN ISO 15875 specifies the characteristics of the fitness for purpose of crosslinked polyethylene (PE-X) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15875-1:2002)
prEVS 55115
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-1:2002
ja identne prEN ISO 15876-1:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 1: General**
This Part of prEN ISO 15876 specifies the general aspects of polybutylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1)
prEVS 55116
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-2:2002
ja identne prEN ISO 15876-2:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 2: Pipes**
This Part of prEN ISO 15876 specifies the characteristics of pipes made of polybutylene (PB) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15876-1:2002)
prEVS 55117
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-3:2002
ja identne prEN ISO 15876-3:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 3: Fittings**
This Part of prEN ISO 15876: specifies the characteristics of fittings for polypropylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15876-1:2002)
prEVS 55119
Tähtaeg: 2003-03-01
Identne ISO/FDIS 15876-5:2002
ja identne prEN ISO 15876-5:2002
**Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 3: Fittings**
This Part of prEN ISO 15876: specifies the characteristics of fittings for polypropylene (PB) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15876-1:2002)
prEVS 55124
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-1:2002
ja identne prEN ISO 15874-1:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 1: General**
This Part of prEN ISO 15874 specifies the general aspects of polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1)
prEVS 55134
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-4:2002
ja identne prEN ISO 15874-4:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes**
This part of prEN ISO 15874 specifies the characteristics of pipes made from polypropylene (PP) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems under operating pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15874-1:2002)
prEVS 55135
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-3:2002
ja identne prEN ISO 15874-3:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings (ISO/FDIS 15874-3: 2002)**
This Part of prEN ISO 15874 specifies the characteristics of fittings for polypropylene (PP) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of

application (see Table 1 of prEN ISO 15874-1:2002)
prEVS 55136
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15874-5:2002 ja identne prEN ISO 15874-5:2002
**Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 5: Fitness for purpose of the system**
This Part of prEN ISO 15874 specifies the characteristics of the fitness for purpose of polypropylene (PP) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15874-1:2002)

## 91.140.65 Veesoendussüsteemid

Water heating equipment

### UUED STANDARDID

**EVS-EN 60335-2-21:2001/ A11:2002**
Hind 49,00
Identne EN 60335-2-21:1999/ A11:2002
**Safety of household and similar electrical appliances - Part 2: Particular requirements for storage water heaters**
This standard applies to stationary non-instantaneous storage water heaters intended for heating water to a temperature below its boiling point. Water heaters may be thermally insulated for long-term storage or uninsulated for temporary storage of hot water. Water heaters not intended for normal household use, but which nevertheless may be a source of danger to the public, such as water heaters intended to be used in shops, in light industri and on farms, are within the scope of this standard.

## 91.140.80 Kanalisatsioon

Drainage systems

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55137
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-1:2002 ja identne prEN ISO 15877-1:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 1: General**
This Part of prEN ISO 15877 specifies the general requirements of chlorinated poly(vinyl chloride) (PVC-C) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), under design pressures and temperatures appropriate to the class of application (see Table 1)
prEVS 55138
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-2:2002 ja identne prEN ISO 15877-2:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 2: Pipes**
This Part of prEN ISO 15877:2002 specifies the requirements of pipes made from chlorinated poly(vinyl chloride) (PVC-C) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), under design pressures and temperatures appropriate to the class of application (see Table 1 of prEN ISO 15877-1:2002)
prEVS 55140
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-3:2002 ja identne prEN ISO 15877-3:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings**
This Part of prEN ISO 15877 specifies the characteristics of fittings made from chlorinated poly(vinyl chloride) (PVC-C) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems) and for heating systems under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15877-1:2002)
prEVS 55141
Tähtaeg: 2003-02-01
Identne ISO/FDIS 15877-5:2002 ja identne prEN ISO 15877-5:2002
**Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 5: Fitness for purpose of the system**
This Part of prEN ISO 15877 specifies the characteristics of the fitness for purpose of chlorinated poly(vinyl chloride) (PVC-C) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption, (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application (see Table 1 of prEN ISO 15877-1:2002)

## 91.140.90 Liftid. Eskalaatorid

Lifts. Escalators

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55073
Tähtaeg: 2003-03-01
Identne prEN 81-58:2002
**Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test**
This European Standard specifies the method of test for determining the fire resistance of lift landing doors which may be exposed to a fire from the landing side. The procedure applies to all types of lift landing doors used as a means of access to lifts in buildings and which are intended to provide a fire barrier to the spread of fire via the lift well

## 91.160 Valgustus

Lighting

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55049

Tähtaeg: 2003-03-01
Identne prEN 13032-2:2002
**Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 2: Presentation of data for indoor and outdoor work places**
This standard specifies the required data for lamps and luminaires for the verification of conformity to the requirements of prEN 12464. It also specifies data that are commonly used for lighting of indoor and outdoor work places. When these data are provided, they shall conform to this standard

## 91.160.20
## Välisvalgustus

Exterior building lighting

### UUED STANDARDID

**EVS-EN 60598-2-3:2001/A2:2002**
Hind 101,00
Identne IEC 60598-2-3:1993/A2:2000
ja identne EN 60598-2-3:1994/A2:2001
**Luminaires - Part 2: Particular requirements - Section 3: Luminaires for road and street lighting**
Specifies requirements for luminaires for road and street lighting, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 1 000 V.

## 91.220
## Ehitusseadmed

Construction equipment

### UUED STANDARDID

**EVS-EN 12110:2002**
Hind 126,00
Identne EN 12110:2002
**Tunnelling machines - Air locks - Safety requirements**
This standard applies for the design, construction, equipping, marking and testing of air locks and pressure bulkheads, which are to be used in tunnelling work

**EVS-EN 13377:2002**
Hind 155,00
Identne EN 13377:2002
**Prefabricated timber formwork beams - Requirements, classification and assessment**
This European Standard specifies classification, requirements and assessment procedures for prefabricated timber formwork beams as defined in 3.2 for temporary use in construction works

## 93.020.
## Mullatööd. Süvendid. Vundamendiehitus. Allmaatööd

Earthworks. Excavations. Foundation construction. Underground works

### UUED STANDARDID

**EVS-EN 13331-1:2002**
Hind 170,00
Identne EN 13331-1:2002
**Trench lining systems - Part 1: Product specifications**
This European Standard specifies requirements for metallic trench lining systems assembled completely from purpose made prefabricated components. It includes material, constructional and structural requirements. Partial safety factors for design refer to annex A

**EVS-EN 13331-2:2002**
Hind 66,00
Identne EN 13331-2:2002
**Trench lining systems - Part 2: Assessment by calculation or test**
This European Standard specifies methods of calculation and tests to assess the conformity of trench lining systems with the requirements of prEN 13331-1

## 93.060
## Tunneliehitus

Tunnel construction

### UUED STANDARDID

**EVS-EN 12110:2002**
Hind 126,00
Identne EN 12110:2002
**Tunnelling machines - Air locks - Safety requirements**
This standard applies for the design, construction, equipping, marking and testing of air locks and pressure bulkheads, which are to be used in tunnelling work

## 93.080.20
## Teedeehitusmaterjalid

Road construction materials

### UUED STANDARDID

**EVS-EN 1367-5:2002**
Hind 75,00
Identne EN 1367-5:2002
**Tests for thermal and weathering properties of aggregates - Part 5: Determination of resistance to thermal shock**
This European Standard specifies methods for the determination of resistance to thermal shock of aggregates, subject to heating and drying in the production of hot bituminous mixtures

**EVS-EN 12697-9:2002**
Hind 92,00
Identne EN 12697-9:2002
**Bituminous mixtures - Test methods for hot mix asphalt - Part 9: Determination of the reference density**
This European Standard describes a test method for the determination of reference densities of bituminous mixtures. These densities are obtained on specimens compacted by three alternative compactors at specified compaction energies in accordance with prEN 12697-30, prEN 12697-31 and prEN 12697-32 for the impact, gyratory and vibratory compactors respectively

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55407
Tähtaeg: 2003-03-01
Identne prEN 12697-37:2002
**Bituminous mixtures - Test methods for hot mix asphalt - Part 37: Hot sand test for the adhesivity of binder on precoated chippings for HRA**
Bituminous mixtures - Test methods for hot mix asphalt - Part 37: Hot sand test for the adhesivity of binder on precoated chippings for HRA

## 93.080.30
## Teepäraldised

Road equipment and installations

### UUED STANDARDID

**EVS-HD 638 S1:2002**
Hind 170,00

Identne HD 638 S1:2001
**Road traffic signal systems**
This standard specifies requirements for Road Traffic Signal Systems, including their development, design, testing, installation and maintenance.

## 93.080.40 Tänavavalgustus

Street lighting and related equipment

### UUED STANDARDID

**EVS-EN 60598-2-3:2001/ A2:2002**
Hind 101,00
Identne IEC 60598-2-3:1993/A2:2000
ja identne EN 60598-2-3:1994/A2:2001
**Luminaires - Part 2: Particular requirements - Section 3: Luminaires for road and street lighting**
Specifies requirements for luminaires for road and street lighting, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 1 000 V.

## 93.100 Raudtee-ehitus

Construction of railways

### UUED STANDARDID

**EVS-EN 13146-8:2002**
Hind 75,00
Identne EN 13146-8:2002
**Railway applications - Track - Test methods for fastening systems - Part 8: In service testing**
This Part of this European Standard specifies a procedure for the comparative testing of fastening systems in track. The test procedure is applicable to fastening systems which in all other respects comply with prEN 13481 Parts 2-7. This test applies to complete fastening assemblies. It is only to be used for comparative testing of such fastening systems installed at the same time on the type of support for which they are intended

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55408
Tähtaeg: 2003-03-01
Identne prEN 13481-7:2002
**Railway applications - Track - Performance requirements for fastening systems - Part 7: Special fastening systems for switches and crossing and check rails**
This European Standard specifies performance requirements for special fastening systems for switches and crossings and for check rails connected to running rails (not independently fixed to to the bearers) on wood, concrete and steel bearers in ballasted track and on slab track

## 97.020 Kodumajanduse üldküsimused

Home economics in general

### UUED STANDARDID

**EVS-EN 60065:2002**
Hind 433,00
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.

## 97.030 Elektrilised kodumasinad

Domestic electrical appliances in general

### UUED STANDARDID

**EVS-EN 60734:2002**
Hind 146,00
Identne IEC 60734:1993
ja identne EN 60734:1993
**Hard water to be used for testing the performance of some household electrical appliances**
This international standard applies to hard water to be used for testing the performance of some household electrical appliances such as washing machines, steam irons, etc. It defines the characteristics of this hard water and establishes the method to be used for obtaining it.

**EVS-EN 60704-1:2002**
Hind 229,00
Identne IEC 60704-1:1997
ja identne EN 60704-1:1997
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 1: General requirements**
This standard applies to electric appliances (including their accessories or components) for household and similar use, supplied from mains or from batteries. This standard does not apply to: - appliances, equipment or machines designed exclusively for industrial or professional purposes; - appliances which are integrated parts of a building or its installations such as equipment for air conditioning, heating and ventilating (except household fans, cooker hoods and free standing heating appliances), oil burners for central heating, pumps for water supply and for sewage systems.

**EVS-EN 60335-2-59:2001/ A11:2002**
Hind 57,00
Identne EN 60335-2-59:1997/ A11:2000
**Safety of household and similar electrical appliances - Part 2: Particular requirements for insect killers**
This standard deals with the safety of electric insect killers for household and similar purposes, their rated voltage being not more than 250 V.So far as is practical, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

**EVS-EN 60335-2-59:2001/A1:2002**
Hind 57,00
Identne IEC 60335-2-59:1997/ A1:2000
ja identne EN 60335-2-59:1997/ A1:2001

**Safety of household and similar electrical appliances - Part 2: Particular requirements for insect killers**
This standard deals with the safety of electric insect killers for household and similar purposes, their rated voltage being not more than 250 V.So far as is practical, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55172
Tähtaeg: 2003-02-01
Identne IEC 60335-1:2001
ja identne EN 60335-1:2002
**Household and similar electrical appliances - Safety - Part 1: General requirements**
Deals with the safety of electrical appliances for household and similar purposes. It deals with the common hazards presented by appliances that are encountered by all persons in and around the home. It also covers appliances used by laymen in shops, in light industry and on farms (such as catering equipment, and industrial and commercial cleaning appliances). The rated voltage of the appliances are not more than 250 V for single-phase appliances and 480 V for other appliances.

## 97.040.20
## Pliidid, töölauad, ahjud jms

Cooking ranges, working tables, ovens and similar appliances

### UUED STANDARDID

**EVS-EN 60705:2002**
Hind 229,00
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.

**EVS-EN 60704-2-13:2002**
Hind 170,00
Identne IEC 60704-2-13:2000
ja identne EN 60704-2-13:2000
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods**
This standard applies to electrical range hoods (including their accessories and their component parts) for household and similar use. By similar use is understood the use in similar condition as in households, for example in inns, coffeehouses, tea-rooms. This standard applies to range hoods intended for filtering the air of the room or to exhaust the air out of the room . This standard does not apply to: range hoods for industrial or proffessional purposes. Appliances in which the fan is located in a separate unit from the range hoos itself.

## 97.040.40
## Nõudepesumasinad

Dishwashers

### UUED STANDARDID

**EVS-EN 50242:2002**
Hind 170,00
Identne EN 50242:1998+ A1:1999+A2:2001
**Electric dishwashers for household use - Test methods for measuring the performance**
This standard is applicable to electric dishwashers for household use that are intended to be supplied with cold water and incorporate an electrical heating system. It is not applicable to dishwashers supplied with hot water or hot and cold water. It is applicable to dishwashers intended to be supplied by hot or cold water when supplied with cold water only. This standard is concerned neither with safety nor with performance requirements.

**EVS-EN 60704-2-3:2002**
Hind 109,00
Identne IEC 60704-2-3:2001
ja identne EN 60704-2-3:2002
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers**
These particular requirements apply to single unit electric dishwashers for household and similar use, with and without automatic programme control, for cold and (or) hot water supply, for detachable or permanent connection to water supply or sewage systems, intended for placing on the floor against the wall, for building in or placing under a counter, a kitchen work-top or under a sink, for wall-mounting or on a counter. Limitations for the use of this test code are given in the scope of IEC Publication 704-1.

## 97.040.50
## Köögi väikevahendid

Small kitchen appliances

### UUED STANDARDID

**EVS-EN 60442:2002**
Hind 0,00
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.

**EVS-EN 60619:2002**
Hind 247,00
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.

**EVS-EN 60661:2002**
Hind 139,00
Identne IEC 60661:1999
ja identne EN 60661:2001
**Methods for measuring the performance of electric household coffee makers**
This International Standard applies to electric coffee makers for household and similar use. It does not apply to appliances designed exclusively for commercial or industrial use. The purpose of this Standard is to state and to define the main performance characteristics for coffee makers, which are of interest to the user and to describe the standard methods for measuring these characteristics. This standard concerned neither with safety nor with performance requirements.

**EVS-EN 60335-2-64:2001/A1:2002**
Hind 101,00
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 kichten 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).

**EVS-EN 60704-2-11:2002**
Hind 130,00
Identne IEC 60704-2-11:1998
ja identne EN 60704-2-11:1999
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically operated food preparation appliances**
This standard applies to the electrically operated food preparation appliances, either in the form of separate machines with a single function or in the form of multi-purpose machines with appropriate tools or attachments for several functions, intended for placing on counters, tables work tops or sinks, for wall-mounting, for building-in, or for hand-held use, supplied from mains or from batteries and able to ensure the functions described in clause 4 of IEC 60619. Limitations for the use of this test code are given in the scope of IEC 60704-1.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 39546
Tähtaeg: 2003-02-01
Identne IEC 61817:2000
ja identne EN 61817:2001
**Electrical installations for lighting and beaconing of aerodromes - Maintenance of aeronautical ground lighting constant current series circuits**
This International Standard applies to the maintenance of AGL constant current series circuits. This International Standard · covers constant current series circuits for AGL installed at aerodromes and heliports; · concentrates on providing the safety requirements for the maintenance of an AGL constant current series circuit. It is recognised that AGL constant current series circuits of different design characteristics and parameters are in existence; · is mainly concerned with safety to persons by specifying the rules and fundamental principles for the maintenance of AGL constant current series circuits; · is not intended to apply to AGL primary series circuits supplied directly from a mains constant voltage source; · is not intended to be used for public street lighting, roadway lighting or any other installation requiring the use of constant current series circuits.

## 97.060
## Pesumajade sisseseade

### Laundry appliances

## UUED STANDARDID

**EVS-EN 50229:2002**
Hind 101,00
Identne EN 50229:2001
**Electric clothes washer-dryers for household use - Methods of measuring the performance**
This European Standard specifies the test methods for measuring the performance of electric clothes washer-dryers for household use as required by the Commission Directive on energy labelling and standard product information.

**EVS-EN 60335-2-7:2002**
Hind 139,00
Identne IEC 60335-2-7:2000
ja identne EN 60335-2-7:2001
**Safety of household and similar electrical appliances - Part 2: Particular requirements for washing machines**
Deals with the safety of electric washing machines for household and similar purposes, intended for washing clothes and textiles, thei rated 'voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.

**EVS-EN 60704-2-4:2002**
Hind 163,00
Identne IEC 60704-2-4:2001
ja identne EN 60704-2-4:2001
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-4: Particular requirements for washing machines and spin extractors**
This standard applies to single unit electric washing machines for household and similar use, and to spin extractors. Limitations for the use of this test code are given in the scope clause of IEC Publication 704-1.

**EVS-EN 60704-2-6:2002**
Hind 190,00
Identne IEC 60704-2-6:1994
ja identne EN 60704-2-6:1995
**Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances - Part 2: Particular requirements for tumble-dryers**
This standard applies to household electric tumble-dryers as defined in IEC 1121. Its application to washer-dryer combinations, when operated as a dryer, is under study. Limitations for the use of this test code are given in the scope of IEC 704-1.

**EVS-EN 60335-2-11:2002**
Hind 146,00
Identne IEC 60335-2-11:2000+A1,A11:2002
ja identne EN 60335-2-11:2001+A1,A11:2002

**Safety of household and similar electrical appliances - Part 2: Particular requirements for tumbler dryers**
Is to be used in conjunction with IEC 335-1, third edition. Deals with the safety of electric tumbler dryers intended for household and similar purposes whose rated voltage is not more than 250 V for single phase appliances and 480 V for other appliances.

**EVS-EN 60335-2-4:2001/A2:2002**
Hind 66,00
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.

**EVS-EN 60456:2001/A11:2002**
Hind 49,00
Identne EN 60456:1999/A11:2001
**Clothes washing machines for household use - Methods for measuring the performance**
This standard deals with the methods for measuring the performance of appliances for clothes washing machines with or without heating devices, for household use. It also deals with the appliances for water extraction by centrifugal force. It is also applicable to appliances for both washing and drying textiles (called washer-dryers) with respect to their washing performance.

**EVS-EN 60456:2001/A12:2002**
Hind 57,00
Identne EN 60456:1999/A12:2001
**Clothes washing machines for household use - Methods for measuring the performance**
This standard deals with the methods for measuring the performance of appliances for clothes washing machines with or without heating devices, for household use. It also deals with the appliances for water extraction by centrifugal force. It is also applicable to appliances for both washing and drying textiles (called washer-dryers) with respect to their washing performance.

**EVS-EN 61121:2001/A11:2002**
Hind 49,00
Identne EN 61121:1999/A11:2000
**Tumble dryers for household use - Method for measuring the performance**
This standard is applicable to household electric tumbler dryers of the automatic and non-automatic type, with or without cold water supply and incorporating a heating device. States and defines the principal performance characteristics of household electric tumbler dryers of interest to the users and describe the standard methods for measuring these characteristics.

## 97.080
## Põrandahooldusvahendid

### Floor treatment appliances

### UUED STANDARDID

**EVS-EN 60312:2002**
Hind 283,00
Identne IEC 60312:1998+A1:2000 ja identne EN 60312:1998+A1:2000
**Vacuum cleaners for household use - Methods of measuring the performance**
This International Standard is applicable to vacuum cleaners for household use in or under conditions similar to those in households. The purpose of this standard is to specify essential performance characteristics of vacuum cleaners being of interest to the users and to describe methods for measuring these characteristics.

**EVS-EN 60704-2-1:2002**
Hind 163,00
Identne IEC 60704-2-1:2000
ja identne EN 60704-2-1:2001
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for vacuum cleaners**
This standard applies to dry pick-up portable electric vacuum cleaners for household and similar use, supplied from mains or from battteries. By similar use, is understood the use in hotels, hospitals, shops, offices etc.

**EVS-EN 60335-2-79:2001/A1:2002**
Hind 66,00
Identne IEC 60335-2-79:1995/A1:2000
ja identne EN 60335-2-79:1998/A1:2001
**Safety of household and similar electrical appliances - Part 2: Particular requirements for high pressure cleaners and steam cleaners, for industrial and commercial use**
This standard applies to high pressure cleaners having a pressure not less than 25 bars and not more than 250 bars with an input to the drive for the high pressure pump not exceeding 10 kW. It also applies to steam cleaners having a usable volume of the water container equal to or greater than 1,5 litres even if the pressure is less than 25 bars.

## 97.100
## Kodu-, äri- ja tööstusküttеseadmed

### Domestic, commercial and industrial heating appliances

### UUED STANDARDID

**EVS-EN 60531:2002**
Hind 229,00
Identne IEC 60531:1999
ja identne EN 60531:2000
**Household electric thermal storage room heaters - Methods for measuring performance**
The standard applies to electric storage heaters having a daily operating cycle and intended to heat the room in which they are located. Defines the main performance characteristics of storage heaters and specifies methods for measuring these characteristics, for the information of the users. This standard does not specify values for performance characteristics.

**EVS-EN 60675:2002**
Hind 247,00
Identne IEC 60675:1994+A1:1998

ja identne EN 60675:1995+ A1:1998
**Household electric direct-acting room heaters - Methods for measuring performance**
This standard applies to electric direct-acting room heaters. They may be portable, stationary, fixed, or built-in.This standard defines the main performance characteristics of direct-acting room heaters and specifies methods for measuring these characteristics, for the information of users.

**EVS-EN 61255:2002**
Hind 155,00
Identne IEC 61255:1994
ja identne EN 61255:1994
**Household electric heating pads - Methods for measuring performance**
Defines the main performance characteristics of electric heating pads and specifies methods for measuring these characteristics, for the information of users. Does not specify values for performance characteristics. Does not deal with safety requirements.

**EVS-EN 60335-2-66:2001/A1:2002**
Hind 66,00
Identne IEC 60335-2-66:1993/A1:2000
ja identne EN 60335-2-66:1995/A1:2001
**Safety of household and similar electrical appliances - Part 2: Particular requirements for water-bed heaters**
Deals with the safety of water-bed heaters and their associated control units, for household and similar purposes whose rated voltage is not more than 250 V. Is to be used in conjunction with IEC 335-1 (third edition).

## 97.100.20 Gaasiga köetavad kütteseadmed

Gas heaters

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55062
Tähtaeg: 2003-03-01
Identne EN 613:2000/prA2:2002
**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

## 97.120 Majapidamisautomaatika

Automatic controls for household use

### UUED STANDARDID

**EVS-EN 50090-8:2002**
Hind 66,00
Identne EN 50090-8:2000
**Home and Building Electronic Systems (HBES) -- Part 8: Conformity assesment of products**
This standard is relevant for all electronic products and systems (including their software) having home and/or building control functions. This standard defines the general conformity assesment requirements for the communication protocols.

**EVS-EN 50090-2-1:2002**
Hind 155,00
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.

**EVS-EN 50090-3-1:2002**
Hind 75,00
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). 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).

**EVS-EN 50090-3-2:2002**
Hind 117,00
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.

**EVS-EN 60730-2-2:2002**
Hind 199,00
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.

**EVS-EN 60730-2-4:2001**
Hind 101,00
Identne IEC 730-2-4:1990+A1:1994
ja identne EN 60730-2-4:1993+A1:1998
**Automatic electrical controls for household and similar use - Part 2: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semi-hermetic type**
Applies to the partial evaluation and inherent safety of thermal motor protectors for motor-compressors within the scope of EN 60335-1. EN 60730-2-1 does not apply to such motor protectors.

**EVS-EN 60730-2-5:2002**
Hind 283,00
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.

**EVS-EN 60730-2-8:2002**
Hind 259,00
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.

**EVS-EN 60730-2-9:2002**
Hind 49,00
Identne IEC 60730-2-9:2000
ja identne EN 60730-2-9:2002
**Automatic electrical controls for household and similar use - Part 2: Particular requirements for temperature sensing controls**
Applies to automatic electrical temperature sensing controls for use in, on or in association with equipment for household and similar use, that may use electricity or another source of energy. It deals with inherent safety, the operating values, operating times and sequences where such are associated with equipment safety.

**EVS-EN 50090-2-2:2001/ A1:2002**
Hind 83,00
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.

**EVS-EN 60730-2-10:2001**
Hind 92,00
Identne IEC 730-2-10:1991+ A1:1994
ja identne EN 60730-2-10:1995+ A11:1996
**Automatic electrical controls for household and similar use - Part 2: Particular requirements for electrically operated motor starting relays**
Applies to controls for automatically controlling the starting windings of single phase motors associated with equipment for household and similar use (including starting relays incorporating electronic devices and starting relays using thermistor elements, thermal elements and magnetic elements). Specifies inherent safety, operating values, operating times, and the testing of full motor starting relays.

**EVS-EN 60730-2-13:2001/ A2:2002**
Hind 109,00
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, 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 2 applies to the inherent safety, to the operating values, 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 intende

**EVS-EN 60730-2-16:2001/A2:2002**
Hind 109,00
Identne IEC 60730-2-16:1995/ A2:2001
ja identne EN 60730-2-16:1997/ A2:2001
**Automatic electrical controls for household and similar use - Part 2: Particular requirements for automatic electrical water level operating controls of the float type for household and similar applications**
This part of IEC 730 applies to automatic electrical water level operating controls of the float type for use in, on or in association with equipment for general household and similar use. Examples are water level controls for swimming pool pumps, water tank pumps, cooling towers, dishwashers and washing machines. This part 2 applies to the inherent safety, to the operating values, operating sequences where such are associated with equipment protection, and to the testing of automatic electrical water level operating controls used in, on or in association with household and similar equipment.

## KAVANDITE ARVAMUSKÜSITLUS

prEVS 55443
Tähtaeg: 2003-02-01
Identne IEC 60730-2-10:1991/ A2:2001
ja identne EN 60730-2-10:1995/ A2:2002
**Automatic electrical controls for household and similar use - Part 2: Particular requirements for electrically operated motor starting relays**
Applies to controls for automatically controlling the starting windings of single phase motors associated with equipment for household and similar use (including starting relays incorporating electronic devices and starting relays using thermistor elements, thermal elements and magnetic elements). Specifies inherent safety, operating values, operating times, and the testing of full motor starting relays.

## 97.130
## Poevarustus

Shop fittings

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 55219
Tähtaeg: 2003-03-01
Identne prEN 10268:2002
**Cold rolled flat products with higher yield strength for cold forming - Technical delivery conditions**
This European Standard applies to cold -rolled non-coated steel flat products for cold forming with higher yield strength. The thickness is equal to or less than 3 mm

## 97.140
## Mööbel

Furniture

### UUED STANDARDID

**EVS-EN 1725:2002**
Hind 117,00
Identne EN 1725:1998
**Kodumööbel - Voodid ja madratsid - Ohutusnõuded ja katsemeetodid**
See Euroopa standard määrab kindlaks ohutusnõuded ja katsemeetodid täielikult kokku monteeritud ja koduseks kasutamiseks ettenähtud igat tüüpi täiskasvanuvoodite kohta, mis sisaldavad kõiki konstruktsioonielemente, nagu näiteks voodi raam, põhi, madrats ja madratsipadjad (kui need moodustavad madratsiga komplekti). Standard ei kehti välivoodite, naride, lastevoodite ega füüsiliste puuetega inimestele ettenähtud reguleeritavate voodite kohta, millele kehtib eraldi standard, samuti ei kehti standard vesivoodite ega õhkmadratsiga voodite kohta.

**EVS-EN 1727:2002**
Hind 101,00
Identne EN 1727:1998
**Kodumööbel - Hoiumööbel - Ohutusnõuded ja katsemeetodid**
See Euroopa standard määrab kindlaks ohutusnõuded ja katsemeetodid igat tüüpi hoiumööbli kohta, välja arvatud köögimööbel (vt EN 1153). Standard ei käsitle hoone konstruktsioonist olenevat ohutust, näiteks seinakapi tugevuse puhul käsitletakse üksnes kappi ja selle osi. Seina ja seinakinnitust standard ei hõlma. Standard on ette nähtud normaalse eesmärgipärase kasutamise ja ka oodatava mitte-eesmärgipärase kasutamise tagajärjel tekkivate tõsisemate vigastuste vältimiseks. Tuleb aru saada, et nõudeid rahuldavad katsetulemused ei taga konstruktsioonivea ilmnemat pärast korduvat mitte-eesmärgipärast kasutamist või pärast liiga pikka kasutamist.

## 97.150
## Mittetekstiilsed põrandakatted

Non-textile floor coverings

### UUED STANDARDID

**EVS-EN 13893:2002**
Hind 83,00
Identne EN 13893:2002
**Resilient, laminate and textile floor coverings - Parameters for the measurement of dynamic coefficient of friction on floor surfaces**
This European standard specifies the parameters for the measurement of dynamic coefficient of friction (μ) on surfaces of resilient, laminate and textile floor coverings, usually walked on with shoes

## 97.170
## Tualett-tarbed

Body care equipment

### UUED STANDARDID

**EVS-EN 61254:2002**
Hind 306,00
Identne IEC 61254:1993
ja identne EN 61254:1994
**Electric shavers for household use - Methods for measuring the performance**
This international standard states and defines the principal performance characteristics for men's electric shavers, which are of interest to the user, and describes standard methods for measuring these characteristics. This standard is not concerned with safety or with performance requirments.

**EVS-EN 60704-2-8:2002**
Hind 130,00
Identne IEC 60704-2-8:1997
ja identne EN 60704-2-8:1997
**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for electric shavers**
This standard applies to electric shavers for domestic and similar, supplied from mains or batteries. By similar use is understood the use in hotels, shops, offices, etc. Note - This standard does not apply to shavers which are powered by other than electrical means for example by a spring-device. If possible, this standard can also be applied to analogous electrically operating devices such as hair clippers and depilating devices.

## 97.180
## Mitmesugused kodutarbed

Miscellaneous domestic and commercial equipment

### UUED STANDARDID

**EVS-EN 60335-2-41:2001/A1:2002**
Hind 66,00
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.

## 97.200.30
## Matkavarustus ja laagrikohad

Camping equipment and camp-sites

### UUED STANDARDID

**EVS-EN 1949:2002**
Hind 155,00
Identne EN 1949:2002
**Specification for the installation of LPG systems for habitation purposes in leisure accomodation vehicles and in other road vehicles**

This European Standard specifies the requirements for the installation of liquefied petroleum gas systems for habitation purposes in leisure accommodation vehicles and in other road vehicles. It details safety and health requirements on the selection of materials, components and appliances, on design considerations and soundness testing of installations and on the contents of the user's handbook

**EVS-EN 13538-1:2002**
Hind 83,00
Identne EN 13538-1:2002
**Determination of dimensional characteristics of sleeping bags - Part 1: Internal dimensions**
This European Standard specifies a procedure for the determination of the internal dimensions of sleeping bags as specified in prEN 13537

**EVS-EN 13538-2:2002**
Hind 75,00
Identne EN 13538-2:2002
**Determination of dimensional characteristics of sleeping bags - Part 2: Thickness and elastic recovery**
This European Standard specifies a method for the determination of the thickness and elastic recovery of sleeping bags filled with feathers and/or down

**EVS-EN 13538-3:2002**
Hind 75,00
Identne EN 13538-3:2002
**Determination of dimensional characteristics of sleeping bags - Part 3: Volume under load and easiness of packing**
This European Standard specifies a method of measurement of the volume under load of sleeping bags as specified in prEN 13537 and a method of calculation of easiness of packing of sleeping bags filled with feather and/or down

## 97.200.50
## Mänguasjad

Toys

### UUED STANDARDID

**EVS-EN 50088:2001/A3:2002**
Hind 83,00
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.

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 33345
Tähtaeg: 2003-03-01
Identne prEN 71-10:2002
**Safety of Toys - Part 10: Organic chemical compounds - Sample preparation and extraction (Referred to as Part X)**
This Part X of the European Standard EN 71 for safety of toys specifies sample preparation and extraction procedures for establishing the release or content of organic compounds from those toys for which requirements exist in EN 71-Y

prEVS 33346
Tähtaeg: 2003-03-01
Identne prEN 71-9:2002
**Safety of Toys - Part 9: Organic chemical compounds Requirements (Referred to as Part Y)**
This Part Y of the European Standard EN 71 for safety of toys specifies requirements for the migration or content of certain hazardous organic chemical compounds from/in toys and toy materials

## 97.220.40
## Välis- ja veespordi tarbed

Outdoor and water sports equipment

### KAVANDITE ARVAMUSKÜSITLUS

prEVS 36437
Tähtaeg: 2003-03-01
Identne prEN 13138-1:2002
**Buoyant aids for swimming instruction - Part 1: Safety requirements and test methods for buoyant aids to be worn**
The European Standard specifies safety requirements for construction, performance, sizing and marking for swimming aids intended to assist users with movement through the water whilst learning to swim or whilst learning part of a swimming stroke. It also gives methods of test for verification of these requirements

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## november 2002

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## KVALITEET 2/13, 6/9, 10/15



## KUS KÄIDUD, MIDA NÄHTUD



## KUU STANDARDID



## METROLOOGIA



## MÜÜGI TOP 10



## STANDARDIMINE

## STANDARDITE TÜHISTAMINE



## SUVELUGEMIST



## UUED STANDARDID JA KAVANDID ARVAMUSKÜSITLUSEKS



## UUED TRÜKISED