

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

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prEVS-ISO 3864-1

ja identne ISO 3864-1:2002

Tähtaeg 29.06.2009

Graafilised sümbolid. Ohutusvärvid ja ohutumärgid. Osa 1: Ohutusmärkide kavandamise põhimõtted töökohtadel ja avalikus ruumis

prEVS-ISO 7000

ja identne ISO 7000:2004

Tähtaeg 29.06.2009

Seadmetel kasutatavad graafilised sümbolid. Register ja ülevaade

03 TEENUSED. ETTEVÕTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA

FprEN 9100

Identne FprEN 9100:2009

Tähtaeg 29.06.2009

Aerospace series - Quality management systems - Requirements (based on ISO 9001:2000) and Quality systems - Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994)

This International Standard specifies requirements for a quality management system where an organization a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements, and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9100:2003

11 TERVISEHOOLDUS

EN 1060-2:1999/FprA1

Identne EN 1060-2:2002/FprA1:2009

Tähtaeg 29.06.2009

Mitteinvasiivsed sfügmomanomeetrid. Osa 2: Lisanõuded mehaanilistele sfügmomanomeetritele

Standardi käesolev osa esitab funktsioneerimise, jõudluse ning mehaanilise ja elektrilise ohutuse nõuded, k.a. testimismeetodid, mitteinvasiivsetele mehaanilistele sfügmomanomeetritele ning nende lisaseadmetele, mida kasutatakse mitteinvasiivseks arteriaalse vererõhu mõõtmiseks täispuhutava manseti abil.

Keel en

EN 1060-3:1999/FprA2

Identne EN 1060-3:2005/FprA2:2009

Tähtaeg 29.06.2009

Mitteinvasiivsed sfügmomanomeetrid. Osa 3: Lisanõuded vererõhu mõõtmiseks ettenähtud elektromehaanilistele süsteemidele

Standardi käesolev osa esitab funktsioneerimise, jõudluse ja ohutusnõuded vererõhu mõõtmiseks ettenähtud elektromehaanilistele süsteemidele, mida kasutatakse mitteinvasiivseks arteriaalse vererõhu mõõtmiseks õlavarrel, randmel ja reiel täispuhutava manseti abil. Standard esitab ka nõuded nende lisaseadmetele ning annab testimismeetodid.

Keel en

EN 13204:2005/prA1

Identne EN 13204:2004/prA1:2009

Tähtaeg 29.06.2009

Kaheotstarbelised hüdraulilised päästevahendid tuletõrjajatele ja päästemeeskondadele. Ohutus- ja toimimise nõuded

This European Standard deals with the technical requirements to minimise the risks of hazards listed in Clause 4 which can arise during the operation and/or maintenance of double acting hydraulic rescue tool systems, when carried out as intended by the manufacturer or his authorised representative. All the safety requirements of this standard apply to double acting hydraulic rescue tools manufactured after the date of publication.

Keel en

EN 14476:2005/FprA2

Identne EN 14476:2005/FprA2:2009

Tähtaeg 29.06.2009

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

This document specifies a test method and the minimum requirements for virucidal activity of chemical disinfectants or antiseptic products for instruments, surfaces or hands that form a homogeneous physically stable preparation when diluted with hard water – or in the case of ready-to-use products – with water.

Keel en

FprEN 60601-1-11

Identne FprEN 60601-1-11:2009

ja identne IEC 60601-1-11:200X

Tähtaeg 29.06.2009

Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ELECTRICAL EQUIPMENT and MEDICAL ELECTRICAL SYSTEMS, hereafter referred to as ME EQUIPMENT and ME SYSTEMS, which are intended by their MANUFACTURER for use in the HOME HEALTHCARE ENVIRONMENT, as defined in 3.2.

Keel en

FprEN 60601-2-47

Identne FprEN 60601-2-47:2009

ja identne IEC 60601-2-47:200X

Tähtaeg 29.06.2009

Medical electrical equipment - Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of AMBULATORY ELECTROCARDIOGRAPHIC SYSTEMS, hereafter referred to as ME EQUIPMENT. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this standard are not covered by specific requirements in this standard except in 7.2.13 and 8.4.1 of the general standard.

Keel en

Asendab EVS-EN 60601-2-47:2003

FprEN ISO 10944

Identne FprEN ISO 10944:2009

ja identne ISO/FDIS 10944:2009

Tähtaeg 29.06.2009

Oftalmilised instrumendid. Sünoptofoorid

This International Standard, together with ISO 15004-1, specifies minimum requirements and test methods for synoptophores (also called major amblyoscopes or synoptometers) used to test, measure, train and develop the patient's binocular vision and to measure horizontal, vertical and cyclo deviation in different positions of gaze. This International Standard takes precedence over ISO 15004-1, if differences exist.

Keel en

Asendab EVS-EN ISO 10944:1999

FprEN ISO 22794

Identne prEN ISO 22794:2009

ja identne ISO 22794:2007

Tähtaeg 29.06.2009

Dentistry - Implantable materials for bone filling and augmentation in oral and maxillofacial surgery - Contents of a technical file

This International Standard applies to implantable materials, whether resorbable or non-resorbable, used as dental devices for filling and augmenting bones in oral and maxillofacial surgery. Products that are essentially pure (> 90 %) hydroxyapatite are not covered by this International Standard. Evaluation includes the physico-chemical, mechanical, biological and clinical aspects and behaviour of these implantable dental materials. Materials such as autografts, allografts and membranes, and products for which the primary intended use is to deliver a medicinal product, are not covered by this International Standard.

Keel en

Asendab EVS-EN ISO 22794:2008

prEN ISO 14160

Identne prEN ISO 14160:2009
ja identne ISO/DIS 14160:2009
Tähtaeg 29.06.2009

Sterilization of health care products - Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives - Requirements for characterization, development, validation and routine control of a sterilization process for medical devices

This International Standard specifies requirements for the characterization of a liquid chemical sterilizing agent and for the development, validation, process control and monitoring of the sterilization, by the use of liquid chemical sterilizing agents, of single-use medical devices comprising, in whole or in part, materials of animal origin. This International Standard does not apply to material of human origin. This International Standard does not describe a quality management system for the control of all stages of manufacture.

Keel en

Asendab EVS-EN ISO 14160:1999

prEN ISO 14602

Identne prEN ISO 14602:2009
ja identne ISO/DIS 14602:2009
Tähtaeg 29.06.2009

Mitteaktiivsed kirurgilised implantaadid. Osteosünteesiks ettenähtud implantaadid. Erinõuded

This International Standard specifies particular requirements for non-active surgical Implants for osteosynthesis, hereafter referred to as implants. In addition to ISO 14630, this International Standard gives particular requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging, and information supplied by the manufacturer.

Keel en

Asendab EVS-EN ISO 14602:1999

prEN ISO 24500

Identne prEN ISO 24500:2009
ja identne ISO/DIS 24500:2009
Tähtaeg 29.06.2009

Ergonomics - Accessible design - Auditory signals for consumer products

This International Standard specifies the auditory signals used as a means to communicate information as feedback of operation or the condition of products when a user with or without visual or auditory impairment uses a consumer product. Young people with hearing impairments are not in the scope because their hearing characteristics differ from person to person and, therefore, it is difficult to specify auditory signals that are generally usable for those people. It shall be applied to auditory signals of a fixed frequency used in general applications (also called beep sounds) and shall not be applied to variable frequency sounds or melodic sounds. It does not specify fire alarm sounds, gas leak alarm sounds, or crime prevention alarm sounds, which are determined by other laws and regulations, nor does it specify electronic chimes, voice guides, and other sounds particular to communication instruments such as telephones. It does not specify auditory danger signals for public or work areas which are covered in ISO 7731, ISO 8201, and ISO 11429.

Keel en

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS**prEN 54-12**

Identne prEN 54-12:2009
Tähtaeg 29.06.2009

Automaatne tulekahjusignalisatsioonisüsteem. Osa 12: Suitsuandurid. Optilist valguskiirt kasutavad joonandurid

This European Standard specifies requirements, test methods and performance criteria for line smoke detectors utilising the attenuation and/or changes in attenuation of an optical beam, for use in fire detection systems installed in buildings. This European Standard does not cover: a) line smoke detectors designed to operate with separations between opposed components of less than 1 m; b) line smoke detectors whose optical path length is defined or adjusted by an integral mechanical connection; c) line smoke detectors with special characteristics, which cannot be assessed by the test methods in this European Standard.

Keel en

Asendab EVS-EN 54-12:2003

EN 13204:2005/prA1

Identne EN 13204:2004/prA1:2009
Tähtaeg 29.06.2009

Kaheotstarbelised hüdraulilised päästevahendid tuletõrjajatele ja päästemeeskondadele. Ohutus- ja toimimisnõuded

This European Standard deals with the technical requirements to minimise the risks of hazards listed in Clause 4 which can arise during the operation and/or maintenance of double acting hydraulic rescue tool systems, when carried out as intended by the manufacturer or his authorised representative. All the safety requirements of this standard apply to double acting hydraulic rescue tools manufactured after the date of publication.

Keel en

FprEN 60695-1-11

Identne FprEN 60695-1-11:2009

ja identne IEC 60695-1-11:200X

Tähtaeg 29.06.2009

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

This part of IEC 60695 provides guidance for assessing the fire hazard of electrotechnical products and for the resulting development of fire hazard testing as related directly to harm to people, animals or property. For the purpose of this standard, product means complete electrotechnical equipments, their parts (including components) and electrical insulating materials. This international standard outlines a hazard-based process to identify appropriate fire test methods and performance criteria for products. The principles of the methodology are to identify fire events (fire scenarios) which will be associated with the product, to establish how the measurable fire properties of the product are related to the possible occurrence and outcome of those events, and to establish test methods and performance requirements for those properties which will either result in a tolerable fire outcome or eliminate the event altogether.

Keel en

Asendab EVS-EN 60695-1-1:2001

FprEN 60695-2-12

Identne FprEN 60695-2-12:2009

ja identne IEC 60695-2-12:200X

Tähtaeg 29.06.2009

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for flammability testing to determine the glow-wire flammability index (GWFI). GWFI is the highest temperature, determined during this standardized procedure, at which the tested material a) does not ignite or, if it does, extinguishes within 30 s after removal of the glow-wire and is not totally consumed, and b) dripping material, if it occurs, does not ignite wrapping tissue. This test method is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire ignition temperature (GWIT) test method for materials, IEC 60695-2-13, can then be used in a preselection process in accordance with IEC 60695-1-30 to judge the ability of materials to meet the requirements of IEC 60695-2-11.

Keel en

Asendab EVS-EN 60695-2-12:2002

FprEN 60695-2-13

Identne FprEN 60695-2-13:2009

ja identne IEC 60695-2-13:200X

Tähtaeg 29.06.2009

Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for ignitability testing to determine the glow-wire ignition temperature (GWIT). The GWIT is the temperature which is 25 K (or 30 K) higher than the maximum test temperature, determined during this standardized procedure, at which the tested material a) does not ignite, or b) if sustained and continuous flaming combustion does not occur for a time longer than 5 s for any single flame event and the specimen is not totally consumed. This test is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire flammability index (GWFI) test method for materials, IEC 60695-2-12, can then be used in a preselection process in accordance with IEC 60695-1-30 to judge the ability of materials to meet the requirements of IEC 60695-2-11.

Keel en

Asendab EVS-EN 60695-2-13:2002

ISO 9978

ja identne ISO 9978:1992

Tähtaeg 30.05.2009

Kiirguskaitse – Kinnised kiirgusallikad – Lekkekatsemeetodid

Käesolevas rahvusvahelises standardis spetsifitseeritakse kinniste kiirgusallikate jaoks erinevad katsemeetodid. Antakse laialdane ülevaate protseduuridest, kus kasutatakse nii radioaktiivseid kui ka mitteradioaktiivseid vahendeid.

Käesolev rahvusvaheline standard on kohaldatav järgnevatele kontrolliviisidele: –□ kvaliteedikontroll, et võimaldada vajalike katsete valideerimist kinnise kiirgusallika prototüübi liigitamisel vastavalt ISO 2919 nõuetele, –□ kinniste kiirgusallikate tootmiskontroll;

–□ kinniste kiirgusallikate regulaarne ülevaatus nende talitlusea jooksul. Käesoleva rahvusvahelise standardi lisa A annab kasutajale soovitusi, et leida kõige sobivama(d) meetodi(d) vastavalt kontrolliviisile ja kiirgusallika tüübile. Tuleb arvestada, et võib esineda olukordi, kus on vaja kasutada katseid, mida käesolevas rahvusvahelises standardis ei ole kirjeldatud. Tuleb rõhutada, et mis puudutab kinniste kiirgusallikate tootmist, kasutamist, säilitamist ja transporti, siis käesoleva rahvusvahelise standardi järgimine ei asenda IAEA ja riiklike õigusaktide nõuete järgimist.

Keel en

prEN 1948-4

Identne prEN 1948-4:2009

Tähtaeg 29.06.2009

Stationary source emissions - Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs - Part 4: Sampling and analysis of dioxin-like PCBs

This document specifies sampling from stationary sources, extraction, clean-up, identification and quantification procedures of the dioxin-like PCBs. The procedure described lays down requirements to measure the PCB congeners given in Annex A (see Table A.1). It is applicable to the twelve non- and mono-ortho PCB designated by the WHO. It is optimised to measure PCB concentrations of about 0,01 ng WHO-TEQPCB/m³. In addition to the 12 non- and mono-ortho-PCB the present document is also applicable to measure further PCB-congeners like the "marker PCB" 28, 52, 101, 138, 153, 180 (see Annex F). This document specifies a framework of quality control requirements which have to be fulfilled by any PCB sampling, extraction, clean-up, identification and quantification methods to be applied. As a result of their similar chemical behaviour PCBs, as shown in the validation campaign, can be sampled from stationary sources together with the PCDDs/PCDFs. The complete sampling procedure is described in

Keel en

Asendab CEN/TS 1948-4:2007

prEN 15269-2

Identne prEN 15269-2:2009

Tähtaeg 29.06.2009

Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 2: Fire resistance of hinged and pivoted steel doorsets

This Part of prEN 15269, which should be read in conjunction with prEN 15269-1, covers single and double leaf, hinged and pivoted, steel based doorsets. This document prescribes the methodology for extending the application of test results obtained from test(s) conducted in accordance with EN 1634-1. Subject to the completion of the appropriate test or tests selected from those identified in Clause 4 the extended application may cover all or some of the following non-exhaustive list: - Integrity only (E), radiation (EW) or insulated (EI1 or EI2) classifications; - door leaf; - wall/ceiling fixed elements (frame/suspension system; - glazing for door leaf; - items of building hardware; - decorative finishes; - intumescent, smoke, draught or acoustic seals; - alternative supporting construction(s).

Keel en

prEN 15933

Identne prEN 15933:2009

Tähtaeg 29.06.2009

Soil, sludge, and treated biowaste - Determination of pH

This European Standard describes an instrumental method for the routine determination of pH using a glass electrode in a 1:5 (V/V) suspension of sludge, treated biowaste or soil in either water (pH-H₂O), or a 0,01 M calcium chloride solution (pH-CaCl₂). The standard is applicable to both fresh and air-dry soil samples (ISO 10390 as a basis), sludge (EN 12176 as a basis) or treated biowaste (EN 13037 as a basis). Soil improvers and growing media are not included.

Keel en

prEN 15935

Identne prEN 15935:2009

Tähtaeg 29.06.2009

Soil, sludge, waste, and treated biowaste - Determination of loss on ignition

This European Standard specifies a method for the determination of the loss on ignition of dry mass at 550 °C after the dry matter has been determined in accordance with the method of WI CSS99023. This method applies to the determination of loss on ignition of: - sludges, including liquid, paste-like or solid sludges; - all types of soil samples; - sediments; - waste and - treated biowaste.

Keel en

prEN 15934

Identne prEN 15934:2009

Tähtaeg 29.06.2009

Soil, sludge, waste, and treated biowaste - Determination of dry matter - Gravimetric method

This European Standard specifies a method for the determination of dry matter on a mass basis of samples of: - sludges, including liquid, paste-like or solid sludges, - all types of air-dried soil samples and field moist soil samples, - sediment - waste and - treated biowaste.

Keel en

prEN 15936

Identne prEN 15936:2009

Tähtaeg 29.06.2009

Soil, sludge, waste, and treated biowaste - Determination of total organic carbon (TOC) by dry combustion

This European Standard specifies two methods for the determination of total organic carbon (TOC) in sludge, sediment, waste, biowaste and soil samples containing more than 1 g carbon per kg of dry matter (0,1%). Coal and charcoal (elemental carbon) and inorganic carbon compounds except carbonates will be determined as organic carbon when present in the sample.

Keel en

prEN 15937

Identne prEN 15937:2009

Tähtaeg 29.06.2009

Soil, sludge, and treated biowaste - Determination of specific electrical conductivity

This European Standard (CSS99037) describes an instrumental method for routine determinations of specific electrical conductivity in aqueous extracts of sludge (fresh), treated biowaste (fresh) or soil (fresh or air-dry). Please note that soil improvers and growing media are not included in this standard. The EC determination is carried out to obtain an indication of the content of water-soluble electrolytes in the materials mentioned. The standard is based on ISO 11265. There is presently no international standard for sludge or treated biowaste. For practical reasons, for instance if there is a need to make strict comparisons with previous measurements, soils should generally be air-dried. Air-drying can be used for all soils, except for those containing sulphidic minerals or volatile acids. In both cases fresh soil should be used to avoid either sulphide oxidation resulting in the formation of sulphuric acid, or volatilisation of low-molecular organic acids. Regarding sludge and treated biowaste, fresh samples are recommended. In these materials air-drying may introduce artefacts due to a stimulation of oxidation processes and should therefore be avoided.

Keel en

prEN 62244

Identne prEN 62244:200X

ja identne IEC 62244:2006

Tähtaeg 29.06.2009

Radiation protection instrumentation - Installed radiation monitors for the detection of radioactive and special nuclear materials at national borders

The scope of this International Standard is to define the performance of installed monitors used for the detection of gamma and neutron radiation emitters contained in objects/ containers or vehicles, general characteristics, mechanical characteristics, environmental requirements, test procedures and documentation. This standard is applicable to installed monitors designed to detect special nuclear and other radioactive materials by their emitted gamma and/or neutron radiation. They are used to monitor vehicles, cargo containers, people, or packages and are typically located at national and international borders, but may be used at any location where there is a need for this type of monitoring. This standard does not apply to hand-held monitors.

Keel en

prEN 62327

Identne prEN 62327:200X

ja identne IEC 62327:2006

Tähtaeg 29.06.2009

Radiation protection instrumentation - Hand-held instruments for the detection and identification of radionuclides and for the indication of ambient dose equivalent rate from photon radiation

This International Standard applies to hand-held instruments used for the detection and identification of radionuclides, the detection of neutron radiation and the indication of the ambient dose equivalent rate from photon radiation. This standard does not apply to the performance of radiation protection instrumentation which is covered in IEC 60846. It is recognized that front line law-enforcement officers, who are generally not radiation experts, may use instruments covered by this standard. This requires user-friendly instrument design and operation with a high degree of inherent safety. This standard specifies requirements for hand-held photon spectrometers, in particular for the detectors, the electronic multi-channel analyzers, the identification software, the radionuclide libraries, and the instrument display. It further specifies general characteristics, general test procedures, radiation characteristics, as well as electrical, mechanical, safety, and environmental characteristics.

Keel en

prEN ISO 5667-13

Identne prEN ISO 5667-13:2009

ja identne ISO/DIS 5667-13:2009

Tähtaeg 29.06.2009

Vee kvaliteet. Proovivõtt. Osa 13: Setteproovide võtmise juhend reovee ja vee töötlemise teostamisel

This part of ISO 5667 gives guidance on the sampling of sludges from wastewater treatment works, water treatment works and industrial processes. It is applicable to all types of sludge arising from these works and also to sludges of similar characteristics, for example septic tank sludges. Guidance is also given on the design of sampling programmes and techniques for the collection of samples. This part of ISO 5667 is applicable to sampling motivated by different objectives, some of which are to: - provide data for the operation of activated sludge plants; - provide data for the operation of sludge treatment facilities; - determine the concentration of pollutants in wastewater sludges for disposal to landfill; - test whether prescribed substance limits are contravened when sludge is used in agriculture; - provide information on process control in potable and wastewater treatment, including: 1) addition or withdrawal of solids; 2) addition or withdrawal of liquid; - provide information for legally enforceable aspects of the disposal of sewage and waterworks' sludges; - facilitate special investigations into the performance of new equipment and processes; - optimize costs; for example for the transport of sludges for treatment and/or disposal.

Keel en

Asendab EVS-EN ISO 5667-13:2007

prEN ISO 5667-23

Identne prEN ISO 5667-23:2009
ja identne ISO/DIS 5667-23:2009
Tähtaeg 29.06.2009

Water quality - Sampling - Part 23: Determination of priority pollutants in surface water using passive sampling

This international standard describes procedures for the determination of time-weighted average concentrations of the free dissolved fraction of pollutants in surface water by passive sampling, followed by analysis.

Keel en

prEN ISO 7887

Identne prEN ISO 7887:2009
ja identne ISO/DIS 7887:2009
Tähtaeg 29.06.2009

Vee kvaliteet. Värvuse analüüs ja määramine

This International Standard specifies four methods for the examination of colour. The previously most employed for assessment of water colour in water treatment plants, limnological surveys etc. was based on the hexachloroplatinate scale [1]. The procedures in Clauses 6 and 7 are harmonised with this traditional procedure [2] and [4].

Keel en

Asendab EVS-EN ISO 7887:1999

prEN ISO 20344

Identne prEN ISO 20344:2009
ja identne ISO/DIS 20344:2009
Tähtaeg 29.06.2009

Isikukaitsevahendid. Jalanõude katsemeetodid

This Standard specifies methods for testing footwear designed as personal protective equipment.

Keel en

Asendab EVS-EN ISO 20344:2004; EVS-EN ISO 20344:2004/A1:2007

prEN ISO 20345

Identne prEN ISO 20345:2009
ja identne ISO/DIS 20345:2009
Tähtaeg 29.06.2009

Kaitsejalanõud professionaalseks kasutamiseks. Spetsifikatsioonid

This European Standard specifies basic and additional (optional) requirements for safety footwear.

Keel en

Asendab EVS-EN ISO 20345:2004; EVS-EN ISO 20345:2004/A1:2007; EVS-EN ISO 20345:2004/AC:2007

prEN ISO 20346

Identne prEN ISO 20346:2009
ja identne ISO/DIS 20346:2009
Tähtaeg 29.06.2009

Isikukaitsevahendid. Kaitsejalatsid

This European Standard specifies basic and additional (optional) requirements for protective footwear.

Keel en

Asendab EVS-EN ISO 20346:2004; EVS-EN ISO 20346:2004/A1:2007; EVS-EN ISO 20346:2004/AC:2007

prEN ISO 20347

Identne prEN ISO 20347:2009
ja identne ISO/DIS 20347:2009
Tähtaeg 29.06.2009

Isikukaitsevahendid. Tööjalatsid

This European Standard specifies basic and additional (optional) requirements for occupational footwear.

Keel en

Asendab EVS-EN ISO 20347:2004; EVS-EN ISO 20347:2004/A1:2007; EVS-EN ISO 20347:2004/AC:2007

prEN ISO 20349

Identne prEN ISO 20349:2009
ja identne ISO/DIS 20349:2009
Tähtaeg 29.06.2009

Personal protective equipment - Footwear protecting against molten metal splash - Requirements and test methods

This European Standard specifies requirements and test methods for footwear for use by workers exposed to molten metal hazards such as in foundries or during welding.

Keel en

prEN ISO 24500

Identne prEN ISO 24500:2009

ja identne ISO/DIS 24500:2009

Tähtaeg 29.06.2009

Ergonomics - Accessible design - Auditory signals for consumer products

This International Standard specifies the auditory signals used as a means to communicate information as feedback of operation or the condition of products when a user with or without visual or auditory impairment uses a consumer product. Young people with hearing impairments are not in the scope because their hearing characteristics differ from person to person and, therefore, it is difficult to specify auditory signals that are generally usable for those people. It shall be applied to auditory signals of a fixed frequency used in general applications (also called beep sounds) and shall not be applied to variable frequency sounds or melodic sounds. It does not specify fire alarm sounds, gas leak alarm sounds, or crime prevention alarm sounds, which are determined by other laws and regulations, nor does it specify electronic chimes, voice guides, and other sounds particular to communication instruments such as telephones. It does not specify auditory danger signals for public or work areas which are covered in ISO 7731, ISO 8201, and ISO 11429.

Keel en

17 METROLOOGIA JA MÕÕTMINE. FÜSIKALISED NÄHTUSED**FprEN 60060-2**

Identne FprEN 60060-2:2009

ja identne IEC 60060-2:200X

Tähtaeg 29.06.2009

High-voltage test techniques - Part 2: Measuring systems - "Proposed horizontal standard"

This International Standard is applicable to complete measuring systems, and to their components, used for the measurement of high voltages during laboratory and factory tests with direct voltage, alternating voltage, lightning and switching impulse voltages as specified in IEC 60060-1. For measurements during on-site tests see IEC 60060-3. The limits on measurement uncertainties stated in this International Standard apply to test levels stated in IEC 60071-1:2006. The principles of this International Standard apply also to higher levels but the uncertainty may be greater.

Keel en

Asendab EVS-EN 60060-2:2003; EVS-EN 60060-2:2003/A11:2008

FprEN 60118-13

Identne FprEN 60118-13:2009

ja identne IEC 60118-13:200X

Tähtaeg 29.06.2009

Kuuldeaparaadid. Osa 13: Elektromagnetiline ühilduvus (EMC)

This part of IEC 60118 in principle covers all relevant EMC phenomena for hearing aids. EMC phenomena, such as RF emission and electrostatic discharge, are not currently known to be a significant problem in connection with hearing aids and are therefore not dealt with. Based on new knowledge, they could be considered in connection with future revisions or extensions of this standard. Hearing aid immunity to high frequency electromagnetic fields originating from digital wireless devices is currently identified as the only relevant EMC phenomenon regarding hearing aids. IEC 61000-4-3 is the basis for relevant EMC tests to be conducted on hearing aids. Measurement methods and acceptance levels are described in this standard.

Keel en

Asendab EVS-EN 60118-13:2005

FprEN ISO 11546-1

Identne FprEN ISO 11546-1:2009

ja identne ISO 11546-1:1995

Tähtaeg 29.06.2009

Akustika. Kestade heliisolatsioonivõime määramine. Osa 1: Mõõtmine laboritingimustes (deklareerimiseks)

Standard esitab laborimeetodid väikeseadmete kestade heliisolatsioonivõime (sissekanduva sumbuuse) määramiseks. Standard kehtib üksnes kogu kesta kohta, mitte aga kesta eraldi koostepaneelide kohta.

Keel en

Asendab EVS-EN ISO 11546-1:1999

FprEN ISO 11546-2

Identne FprEN ISO 11546-2:2009

ja identne ISO 11546-2:1995

Tähtaeg 29.06.2009

Akustika. Kestade heliisolatsioonivõime määramine. Osa 2: Mõõtmised in situ (vastuvõtmiseks ja kontrollimiseks)

Standard esitab in situ-meetodid seadmekestade heliisolatsioonivõime (sissekanduva sumbuuse) määramiseks. Standard kehtib üksnes kogu kesta kohta, mitte aga kesta eraldi koostepaneelide kohta.

Keel en

Asendab EVS-EN ISO 11546-2:1999

FprEN ISO 11688-1

Identne FprEN ISO 11688-1:2009

ja identne ISO/TR 11688-1:1995

Tähtaeg 29.06.2009

Akustika. Soovituslikud juhised müravabade mehhanismide ja seadmete konstrueerimiseks. Osa 1: Kavandamine

See rahvusvaheline tehniline aruanne on abiks mehhanismide ja seadmete mürataseme alandamise põhimõistetest arusaamisel.

Keel en

Asendab EVS-EN ISO 11688-1:1999

FprEN ISO 11957

Identne FprEN ISO 11957:2009

ja identne ISO 11957:1996

Tähtaeg 29.06.2009

Akustika. Kabiinide heliisolatsioonivõime määramine. Labori- ja in situ mõõtmised

Standard esitab laborimeetodi ja in situ-meetodid helikaitsekabiinide heliisolatsioonivõime määramiseks.

Keel en

Asendab EVS-EN ISO 11957:1999

FprEN ISO 12001

Identne FprEN ISO 12001:2009

ja identne ISO 12001:1996

Tähtaeg 29.06.2009

Akustika. Mehhanismide ja seadmete müra. Juhised müra katse-eeskirja väljatöötamiseks ja esitamiseks

Standard määrab kindlaks müra katse-eeskirja tehnilised nõuded konkreetse mehhanismi- või seadmepeere korral. Standardit rakendatakse statsionaarsete mehhanismide ja seadmete korral, kaasa arvatud ka need, mis on ohtlikud oma liikuvuse või koormuse tõstmise tõttu.

Keel en

Asendab EVS-EN ISO 12001:1999

19 KATSETAMINE

FprEN 60060-2

Identne FprEN 60060-2:2009

ja identne IEC 60060-2:200X

Tähtaeg 29.06.2009

High-voltage test techniques - Part 2: Measuring systems - "Proposed horizontal standard"

This International Standard is applicable to complete measuring systems, and to their components, used for the measurement of high voltages during laboratory and factory tests with direct voltage, alternating voltage, lightning and switching impulse voltages as specified in IEC 60060-1. For measurements during on-site tests see IEC 60060-3. The limits on measurement uncertainties stated in this International Standard apply to test levels stated in IEC 60071-1:2006. The principles of this International Standard apply also to higher levels but the uncertainty may be greater.

Keel en

Asendab EVS-EN 60060-2:2003; EVS-EN 60060-2:2003/A11:2008

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

FprEN ISO 11688-1

Identne FprEN ISO 11688-1:2009

ja identne ISO/TR 11688-1:1995

Tähtaeg 29.06.2009

Akustika. Soovituslikud juhised müravabade mehhanismide ja seadmete konstrueerimiseks. Osa 1: Kavandamine

See rahvusvaheline tehniline aruanne on abiks mehhanismide ja seadmete mürataseme alandamise põhimõistetest arusaamisel.

Keel en

Asendab EVS-EN ISO 11688-1:1999

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 13480-3:2002/prA4

Identne EN 13480-3:2002/FprA4:2009

Tähtaeg 29.06.2009

Metallist tööstustorustik. Osa 3: Kavandamine ja arvutamine

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

Keel en

FprEN 60534-2-1

Identne FprEN 60534-2-1:2009

ja identne IEC 60534-2-1:200X

Tähtaeg 29.06.2009

Industrial-process control valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions

This part of IEC 60534 includes equations for predicting the flow of compressible and incompressible fluids through control valves. The equations for incompressible flow are based on standard hydrodynamic equations for Newtonian incompressible fluids. They are not intended for use when non-Newtonian fluids, fluid mixtures, slurries or liquid-solid conveyance systems are encountered. The equations for incompressible flow may be used with caution for non-vaporizing multi-component liquid mixtures. Refer to Clause 6 for additional information.

Keel en

Asendab EVS-EN 60534-2-1:2002

prEN 10344

Identne prEN 10344:2009

Tähtaeg 29.06.2009

Terastorude ühendamise surveotsikutega tempermalmist liitmikud

This standard specifies the requirements for the design, performance and testing of fittings made of malleable cast iron (see also clause 5 Materials) with compression ends for steel pipes. It applies to steel piping systems for different application fields, such as gas supply, distribution of water for general purposes and for human consumption, irrigation, fire fighting, aqueous liquids, compressed air and gaseous fuel systems. It also applies to oil piping systems, provided the elastomeric sealing material is compatible with the oil and the operating conditions. It contains requirements and tests relating to compression fittings which can be disconnected from smooth walled steel pipes or other cylindrical metal structural elements, which are applicable for dismantlable joints. The fittings can also incorporate other types of connection, such as threaded, flanged, compression ends for connection of polyethylene pipes, etc., and can also take on various structural shapes, such as, straight piece, elbow or T-piece, etc. Their range of sizes covers nominal sizes DN 6 to DN 100 (size 1/8 to 4).

Keel en

25 TOOTMISTEHNOLLOOGIA**EN 60745-2-1:2003/FprAE**

Identne EN 60745-2-1:2003/FprAE:2009

Tähtaeg 29.06.2009

Käsimootoriga elektrilised tööriistad. Ohutus. Osa 2-1: Erinõuded puuridele ja lööktrellidele

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for drills and impact drills. The rated voltage being not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c. tools

Keel en

EN 60745-2-2:2003/FprAD

Identne EN 60745-2-2:2003/FprAD:2009

Tähtaeg 29.06.2009

Käeshoitavad mootorajamiga elektritööriistad. Ohutus. Osa 2-17: Erinõuded kruvikeerajatele ja mutrivõtmetele

Deals with the safety of hand-held motor-operated or magnetically driven electric tools, specific requirements for screwdrivers and impact wrenches. The rated voltage being not more than 250 V for single-phase a.c. or d.c., and 440 V for three-phase a.c.

Keel en

EN 60745-2-3:2007/FprAC

Identne EN 60745-2-3:2007/FprAC:2009

Tähtaeg 29.06.2009

Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimiseadmetele

This standard applies to grinders, with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity, polishers and disk-type sanders, including angle, straight and vertical. This standard applies to tools with a rated capacity not exceeding 230 mm.

Keel en

EN 60745-2-6:2003/FprAD

Identne EN 60745-2-6:2003/FprAD:2009

Tähtaeg 29.06.2009

Käeshoitavad mootorajamiga elektritööriistad. Ohutus. Osa 2-5: Erinõuded haamritele

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

Keel en

EN 60745-2-11:2003/FprAD

Identne EN 60745-2-11:2003/FprAD:2009

Tähtaeg 29.06.2009

Käsimooriga elektrilised tööriistad. Ohutus. Osad 2-11: Erinõuded kahepoolsetele saagidele (kett- ja raiesaed)

Deals with the safety of hand-held motor-operated or magnetically driven tools, specific requirements for reciprocating saws. The rated voltage being not more than 250 V for single-phase a.c. or d.c. and 440 V for three-phase a.c. tools. Tools covered by this standard include but are not limited to jigsaws and reciprocating (sabre) saws

Keel en

EN 61804-3:2007/FprA1

Identne EN 61804-3:2007/FprA1:2009

ja identne IEC 61804-3:2006/A1:200X

Tähtaeg 29.06.2009

Function Blocks (FB) for process control -- Part 3: Electronic Device Description Language (EDDL)

This part of IEC 61804 specifies the Electronic Device Description Language (EDDL) technology, which enables the integration of real product details using the tools of the engineering life cycle. This standard specifies EDDL as a generic language for describing the properties of automation system components. EDDL is capable of describing • device parameters and their dependencies; • device functions, for example, simulation mode, calibration; • graphical representations, for example, menus; • interactions with control devices • graphical representations – enhanced user interface – graphing system • persistent data store.

Keel en

FprEN 60534-2-1

Identne FprEN 60534-2-1:2009

ja identne IEC 60534-2-1:200X

Tähtaeg 29.06.2009

Industrial-process control valves - Part 2-1: Flow capacity - Sizing equations for fluid flow under installed conditions

This part of IEC 60534 includes equations for predicting the flow of compressible and incompressible fluids through control valves. The equations for incompressible flow are based on standard hydrodynamic equations for Newtonian incompressible fluids. They are not intended for use when non-Newtonian fluids, fluid mixtures, slurries or liquid-solid conveyance systems are encountered. The equations for incompressible flow may be used with caution for non-vaporizing multi-component liquid mixtures. Refer to Clause 6 for additional information.

Keel en

Asendab EVS-EN 60534-2-1:2002

FprEN ISO 2503

Identne FprEN ISO 2503:2009

ja identne ISO/FDIS 2503:2009

Tähtaeg 29.06.2009

Gas welding equipment - Pressure regulators and pressure regulators with flow-metering devices for gas cylinders used in welding, cutting and allied processes up to 300 bar (30 MPa)

This International Standard specifies requirements for single or two-stage pressure regulators without flow-metering devices for connection to gas cylinders used for - compressed gases up to 300 bar (30 MPa), - dissolved acetylene, - liquefied petroleum gases (LPG), - methylacetylene-propadiene-mixtures (MPS), and - carbon dioxide (CO₂), for use in welding, cutting and allied processes. It does not cover pressure regulators having a nominal outlet pressure $p_2 > 20$ bar.

Keel en

Asendab EVS-EN ISO 2503:1999

FprEN ISO 23277

Identne FprEN ISO 23277:2009

ja identne ISO 23277:2006

Tähtaeg 29.06.2009

Keevisõmbuste mittepurustav kontrollimine. Keevisõmbuste katsetamine kapillaarmetodil (immutusvedelikega). Tehnilistele tingimustele vastavuse tasemed

This International Standard specifies acceptance levels for indications from surface breaking imperfections in metallic welds detected by penetrant testing. The acceptance levels are primarily intended for use during manufacture examination, but where appropriate they can be used for in-service inspection. The acceptance levels in this International Standard are based on detection capabilities that can be expected when using techniques specified in ISO 3452 and parameters recommended in Annex A. The acceptance levels can be related to welding standards, application standards, specifications or codes. Such a relationship is shown in ISO 17635 for ISO 5817 and ISO 10042.

Keel en

Asendab EVS-EN 1289:1999; EVS-EN 1289:1999/A1:2002; EVS-EN 1289:1999/A2:2004

prEN ISO 14344

Identne prEN ISO 14344:2009
 ja identne ISO/DIS 14344:2009
 Tähtaeg 29.06.2009

Welding and allied processes - Procurement of welding consumables

This International Standard is a tool for communication between a purchaser and a supplier of welding consumables within quality systems as might, for example, be based upon ISO 9001 [1]. This International Standard, together with an ISO or other recognized welding consumable standard, provides a method for preparing those specific details needed for welding consumable procurement which consist of the following: a) the welding consumable classification (selected from the pertinent ISO or other welding consumable standard); b) the lot classification (selected from Clause 5 of this International Standard); c) the testing schedule (selected from Clause 6 of this International Standard). Selection of the specific welding consumable classification, lot classification and testing schedule will depend upon the requirements of the application for which the welding consumable is being procured.

Keel en

Asendab EVS-EN ISO 14344:2005

prEN ISO 17633

Identne prEN ISO 17633:2009
 ja identne ISO/DIS 17633:2009
 Tähtaeg 29.06.2009

Welding consumables - Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels - Classification

This International Standard specifies requirements for classification of tubular flux and metal cored electrodes and rods, based on the all-weld metal chemical composition, the type of electrode core, shielding gas, welding position and the all-weld metal mechanical properties, in the as welded or heat treated conditions, for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels. This International Standard is a combined standard providing for classification utilizing a system based upon classification according to nominal composition, or utilizing a system based upon classification according to alloy type. 1) Clauses and Tables which carry the label "classification according to nominal composition" are applicable only to products classified to that system; 2) Clauses and Tables which carry the label "classification according to alloy type" are applicable only to products classified to that system; 3) Clauses and Tables which carry neither label are applicable to products classified according to either or both systems. It is recognized that the operating characteristics of tubular cored electrodes can be modified by the use of pulsed current, but for the purposes of this International Standard, pulsed current is not permitted for determining the electrode classification.

Keel en

Asendab EVS-EN ISO 17633:2006

prEN ISO 18274

Identne prEN ISO 18274:2009
 ja identne ISO/DIS 18274:2009
 Tähtaeg 29.06.2009

Welding consumables – Wire and strip electrodes, wires and rods for fusion welding of nickel and nickel alloys – Classification

This International Standard specifies requirements for classification of solid wires, strips and rods for fusion welding of nickel and nickel alloys. The classification of the solid wires, strips and rods is based on their chemical composition.

Keel en

Asendab EVS-EN ISO 18274:2004; EVS-EN ISO 18274:2004/AC:2005; EVS-EN ISO 18274:2004/AC:2007

27 ELEKTRI- JA SOOJUSENERGEETIKA**FprEN ISO 14314**

Identne FprEN ISO 14314:2009
 ja identne ISO 14314:2004
 Tähtaeg 29.06.2009

Pöörd-sisepõlemismootorid. Tagasitõmbevedruga käivitusseadmed. Üldised ohutusnõuded (ISO 14314:2004)

This International Standard specifies the safety requirements for engine re-coil starting equipment intended for use on RIC engines for land, rail and marine use, excluding engines intended for use to propel road vehicles and aircraft. It may be applied to engines intended for use to propel construction and earth-moving machines and for other applications where no other suitable International Standards exist.

Keel en

Asendab EVS-EN ISO 14314:2004

prEN 13313

Identne prEN 13313:2009
Tähtaeg 29.06.2009

Refrigerating systems and heat pumps - Competence of personnel - Complementary element

This European Standard defines the activities related to refrigerating circuits and the associated competence profiles and establishes procedures for assessing the competence of persons who carry out these activities. NOTE: As a refrigeration circuit is considered not to incorporate electrical and electronical systems activities in this area are not part of this standard. For competences on electrical and electronical systems see EN 50110. This European Standard does not apply to persons carrying out work on self contained refrigerating systems as defined in EN 378-1 from the initial design of the product to the complete manufacture of the product provided the process is controlled and the methods used are checked by an organisation or individual responsible for the compliance with statutory requirements of health, safety and environment.

Keel en

Asendab EVS-EN 13313:2002

29 ELEKTROTEHNIKA**FprEN 50110-2**

Identne FprEN 50110-2:2009
Tähtaeg 29.06.2009

Operation of electrical installations - Part 2: National annexes

The European Standard EN 50110 consists of two parts: - the first part EN 50110-1 contains minimum requirements valid for all CENELEC countries and some additional informative annexes dealing with safe working; - the second part EN 50110-2 is a set of normative annexes (one per country) which specify either the present safety requirements or give the national supplements to these minimum requirements at the time when this European Standard was prepared. The national annexes (if any) are summarized by the respective member country. National Committees shall notify CENELEC of any changes needed to their national annex.

Keel en

Asendab EVS-EN 50110-2:2001

FprEN 60445

Identne FprEN 60445:2009
ja identne IEC 60445:200X
Tähtaeg 29.06.2009

Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors

This International Standard applies to the identification and marking of terminals of electrical equipment such as resistors, fuses, relays, contactors, transformers, rotating machines and, wherever applicable, to combinations of such equipment (e.g. assemblies), and also applies to the identification of terminations of certain designated conductors. It also provides general rules for the use of certain colours or alphanumeric notations to identify conductors with the aim of avoiding ambiguity and ensuring safe operation. These conductor colours or alphanumeric notations are intended to be applied in cables or cores, busbars, electrical equipment and installations.

Keel en

Asendab EVS-EN 60445:2007

FprEN 60695-1-11

Identne FprEN 60695-1-11:2009
ja identne IEC 60695-1-11:200X
Tähtaeg 29.06.2009

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

This part of IEC 60695 provides guidance for assessing the fire hazard of electrotechnical products and for the resulting development of fire hazard testing as related directly to harm to people, animals or property. For the purpose of this standard, product means complete electrotechnical equipments, their parts (including components) and electrical insulating materials. This international standard outlines a hazard-based process to identify appropriate fire test methods and performance criteria for products. The principles of the methodology are to identify fire events (fire scenarios) which will be associated with the product, to establish how the measurable fire properties of the product are related to the possible occurrence and outcome of those events, and to establish test methods and performance requirements for those properties which will either result in a tolerable fire outcome or eliminate the event altogether.

Keel en

Asendab EVS-EN 60695-1-1:2001

FprEN 60695-2-12

Identne FprEN 60695-2-12:2009

ja identne IEC 60695-2-12:200X

Tähtaeg 29.06.2009

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for flammability testing to determine the glow-wire flammability index (GWFI). GWFI is the highest temperature, determined during this standardized procedure, at which the tested material a) does not ignite or, if it does, extinguishes within 30 s after removal of the glow-wire and is not totally consumed, and b) dripping material, if it occurs, does not ignite wrapping tissue. This test method is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire ignition temperature (GWIT) test method for materials, IEC 60695-2-13, can then be used in a preselection process in accordance with IEC 60695-1-30 to judge the ability of materials to meet the requirements of IEC 60695-2-11.

Keel en

Asendab EVS-EN 60695-2-12:2002

FprEN 60695-2-13

Identne FprEN 60695-2-13:2009

ja identne IEC 60695-2-13:200X

Tähtaeg 29.06.2009

Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for ignitability testing to determine the glow-wire ignition temperature (GWIT). The GWIT is the temperature which is 25 K (or 30 K) higher than the maximum test temperature, determined during this standardized procedure, at which the tested material a) does not ignite, or b) if sustained and continuous flaming combustion does not occur for a time longer than 5 s for any single flame event and the specimen is not totally consumed. This test is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire flammability index (GWFI) test method for materials, IEC 60695-2-12, can then be used in a preselection process in accordance with IEC 60695-1-30 to judge the ability of materials to meet the requirements of IEC 60695-2-11.

Keel en

Asendab EVS-EN 60695-2-13:2002

FprEN 62041

Identne FprEN 62041:2009

ja identne IEC 62041:200X

Tähtaeg 29.06.2009

Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - EMC requirements

This international product family standard applies to transformers, reactors and power supply units covered by the IEC 61558 series of standards. It prescribes the electromagnetic compatibility requirements for emission and immunity in the frequency range 0 Hz - 400 GHz. No measurement needs to be performed at frequencies where no requirement is specified. Transformers, reactors and power supply units delivered with or incorporated in an appliance or equipment shall comply with the relevant EMC standard applicable to that appliance or equipment. However this standard may be used as a guide to test the transformers, reactors and power supply units separately before incorporating them in the appliance or equipment.

Keel en

Asendab EVS-EN 62041:2004

FprEN 62317-2

Identne FprEN 62317-2:2009

ja identne IEC 62317-2:200X

Tähtaeg 29.06.2009

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

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

Keel en

FprEN 62386-209

Identne FprEN 62386-209:2009

ja identne IEC 62386-209:200X

Tähtaeg 29.06.2009

Digital addressable lighting interface - Part 209: Particular requirements for control gear - Colour control (Device Type 8)

This International Standard specifies a protocol and test procedures for the control by digital signals of electronic control gear that can change their light colour.

Keel en

FprHD 620 S2

Identne FprHD 620 S2:2009

Tähtaeg 29.06.2009

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 insulation and for rated voltages $U_0/U(U_m)$ 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 r.m.s. value of the system voltage U_m . This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD. Test methods specified are given EN 60228, EN 60229, EN 60332-1-2, EN 60811, EN 60885-3, HD 605 and HD 632.

Keel en

Asendab EVS-HD 620 S1:2002; EVS-HD 620 S1:2002/A1:2008; EVS-HD 620 S1:2002/A2:2006; EVS-HD 620 S1:2002/A3:2007; EVS-HD 620 S1:2002/A3:2007/AC:2007

FprHD 60364-7-702

Identne FprHD 60364-7-702:2009

ja identne IEC 60364-7-702:200X

Tähtaeg 29.06.2009

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

This part applies to electrical installations of: - basins of swimming and paddling pools and in their surrounding zones; - areas in natural waters, lakes in gravel pits and coastal and similar areas, specially intended to be occupied by persons for swimming, paddling and similar purposes, and their surrounding zones. Such areas in natural waters, lakes in gravel pits and coastal and similar areas, are considered as swimming pools; - basins of fountains and their surrounding zones.

Keel en

Asendab EVS-HD 384.7.702 S2:2004

FprHD 60364-7-717/FprAA

Identne FprHD 60364-7-717:2009/FprAA:2009

Tähtaeg 29.06.2009

Low-voltage electrical installations - Part 7-717: Requirements for special installations or locations - Mobile or transportable units

The particular requirements as specified in this part of IEC 60364 are applicable to mobile or transportable units. For the purposes of this part, the term "unit" refers to a vehicle and/or mobile or transportable structure in which all or part of an electrical installation is contained. Units are either of the mobile type or of the transportable type. Examples are units for television and broadcasting, medical services, advertising, fire fighting, using special information technology, units for disaster relief, catering units and the like.

Keel en

prEN 50367

Identne prEN 50367:2009

Tähtaeg 29.06.2009

Raudteerakendused. Vooluvõtusüsteemid. Pantograafi ja kontaktliini vastastikuse toime tehnilised kriteeriumid (vaba juurdepääsu saavutamiseks)

Combination of different overhead contact lines and pantographs will provide various interaction performances. This standard defines parameters for interoperability in the field of interaction between pantograph and overhead contact line. The document specifies the interface requirements of rolling stock and infrastructure to achieve free access to the European railway network. This standard describes parameters and values for all planned lines and future lines. Annex B gives some essential parameters for existing lines. The energy supply system is not covered by this standard.

Keel en

Asendab EVS-EN 50367:2006

31 ELEKTROONIKA**FprEN 60512-7-1**

Identne FprEN 60512-7-1:2009

ja identne IEC 60512-7-1:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 7-1: Impact tests (free connectors) - Test 7a: Free fall (repeated)

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to define a standard test method to assess the ability of a component to withstand the impacts it would receive when dropped repeatedly.

Keel en

FprEN 60512-8-1

Identne FprEN 60512-8-1:2009

ja identne IEC 60512-8-1:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 8-1: Static load tests (fixed connectors) - Test 8a: Static load, transverse

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the suitability of a fixed connector for use in applications where it may be subject to transverse stresses.

Keel en

FprEN 60512-9-1

Identne FprEN 60512-9-1:2009

ja identne IEC 60512-9-1:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 9-1: Endurance tests - Test 9a: Mechanical operation

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the mechanical operational endurance of connectors in the normal operating mode, without electrical load.

Keel en

FprEN 60512-9-5

Identne FprEN 60512-9-5:2009

ja identne IEC 60512-9-5:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 9-5: Endurance tests - Test 9e: Current loading, cyclic

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard method for subjecting solderless connections to thermal stress conditioning by cyclic current loading.

Keel en

FprEN 60512-17-1

Identne FprEN 60512-17-1:2009

ja identne IEC 60512-17-1:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 17-1: Cable clamping tests - Test 17a: Cable clamp robustness

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a cable-clamping device to withstand mechanical stresses likely to be encountered during normal usage.

Keel en

FprEN 60512-17-3

Identne FprEN 60512-17-3:2009

ja identne IEC 60512-17-3:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 17-3: Cable clamping tests - Test 17c: Cable clamp resistance to cable pull (tensile)

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a cable-clamping device to prevent the rotation of the cable/wire bundle. This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a cable-clamping device to prevent longitudinal movement of the cable/wire bundle. Ie around its axis.

Keel en

FprEN 60512-17-4

Identne FprEN 60512-17-4:2009
ja identne IEC 60512-17-4:200X
Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 17-4: Cable clamping tests - Test 17d: Cable clamp resistance to cable torsion

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to assess the ability of a cable-clamping device to prevent the rotation of the cable/wire bundle around its axis.

Keel en

FprEN 60512-19-1

Identne FprEN 60512-19-1:2009
ja identne IEC 60512-19-1:200X
Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 19-1: Chemical resistance tests - Test 19a: Fluid resistance of pre-insulated crimp barrels

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard method to assess the ability of the insulation of pre-insulated crimp barrels to withstand specified fluids under specified conditions.

Keel en

FprEN 60512-20-1

Identne FprEN 60512-20-1:2009
ja identne IEC 60512-20-1:200X
Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 20-1: Fire hazard tests - Test 20a: Flammability, needle-flame

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard method to determine the flammability of a connector when exposed to a needle-flame under specified conditions. The needle-flame test is intended to simulate the effect of small flames which may result from fault conditions within the equipment, i.e. the intensity of the ignition source used is of a similar order to that of an accidentally overheated or burning single electronic component.

Keel en

FprEN 60512-20-3

Identne FprEN 60512-20-3:2009
ja identne IEC 60512-20-3:200X
Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 20-3: Fire hazard tests - Test 20c: Flammability, glow-wire

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to determine the flammability of a connector when exposed to a glow-wire test under specified conditions. The glow-wire test simulates thermal stresses which may be produced by such sources of heat or ignition, for example glowing elements or overloaded components, for short periods, in order to assess by a simulation technique the fire hazard or burning single electronic component.

Keel en

FprEN 60512-21-1

Identne FprEN 60512-21-1:2009
ja identne IEC 60512-21-1:200X
Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 21-1: R.F. resistance tests - Test 21a: R.F. shunt resistance

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to determine the value of r.f. shunt resistance which degrades the Q-factor of an L/C circuit when a connector is connected in parallel. This value is expressed in terms of a parallel damping resistance.

Keel en

FprEN 60512-22-1

Identne FprEN 60512-22-1:2009

ja identne IEC 60512-22-1:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 22-1: Capacitance tests - Test 22a: Capacitance

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard test method to determine the capacitance between conductive elements of connectors.

Keel en

FprEN 60512-23-2

Identne FprEN 60512-23-2:2009

ja identne IEC 60512-23-2:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 23-2: Screening and filtering tests - Test 23b: Suppression characteristics of integral filters

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard method to measure suppression characteristics (insertion loss) introduced by single and multiple circuit radio-frequency filters which are an integral part of a connector.

Keel en

FprEN 60512-24-1

Identne FprEN 60512-24-1:2009

ja identne IEC 60512-24-1:200X

Tähtaeg 29.06.2009

Connectors for electronic equipment - Tests and measurements - Part 24-1: Magnetic interference tests - Test 24a: Residual magnetism

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification. The object of this document is to detail a standard method to measure the residual magnetism of a connector after exposure to a specified magnetic field.

Keel en

FprEN 60601-2-57

Identne FprEN 60601-2-57:2009

ja identne IEC 60601-2-57:200X

Tähtaeg 29.06.2009

Medical electrical equipment - Part 2-57: Particular requirements for basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring and cosmetic/aesthetic use

This International Standard applies to basic safety and essential performance of equipment incorporating one or more sources of optical radiation in the wavelength range 200 nm to 3,000 nm, with the exception of laser radiation, and intended to create photobiological effects in humans or animals for therapeutic, diagnostic, monitoring, cosmetic/aesthetic or veterinary applications; hereafter referred to as Light Source Equipment (LS Equipment). This Standard does not apply to equipment for sun tanning, ophthalmic instruments or other devices whose specific safety issues are addressed through appropriate international standards and excludes equipment intended for illumination.

Keel en

FprEN 62571

Identne FprEN 62571:2009

ja identne IEC 62571:200X

Tähtaeg 29.06.2009

Digital audiobook file format and player requirements

This International Standard defines requirements and provides recommendations to publishers, software developers, content providers, and hardware manufacturers for the data structure, usability requirements, playback systems and delivery systems for audiobooks in digital file format. It should be noted that throughout this International Standard, the term audiobook is defined as any audio file or collection of audio files of primarily spoken word content that are played in a linear order or specified order. Therefore, spoken word audio with occasional music, a narration of newspaper articles, or other similar spoken word audio, would additionally be considered audiobooks under this standard.

Keel en

33 SIDETEHNIKA**EN 50065-1:2002/FprAA**

Identne EN 50065-1:2001/FprAA:2009

Tähtaeg 29.06.2009

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

This standard applies to electrical equipment using signals in the frequency range 3 kHz to 148,5 kHz to transmit information on low-voltage electrical systems, either on the public supply system or within □ installations in consumers' premises.

Keel en

EN 61000-4-4:2005/FprA1

Identne EN 61000-4-4:2004/FprA1:2009

ja identne IEC 61000-4-4:2004/A1:200X

Tähtaeg 6.06.2009

Electromagnetic compatibility (EMC) -- Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test

Establishes a common and reproducible reference for evaluating the immunity of electrical and electronic equipment when subjected to electrical fast transient/bursts on supply, signal, control and earth ports. The test method documented in this part of EN 61000-4 describes a consistent method to assess the immunity of an equipment or system against a defined phenomenon. The standard defines: - test voltage waveform; - range of test levels; - test equipment; - verification procedures of test equipment; - test set-up; - test procedure. The standard gives specifications for laboratory and post-installation tests. This second edition cancels and replaces the first edition published in 1995 and its amendments 1 (2000) and 2 (2001) and constitutes a technical revision.

Keel en

EN 300 753 V1.2.1

Identne EN 300 753 V1.2.1:2009

Tähtaeg 15.06.2009

Equipment Engineering (EE); Acoustic noise emitted by telecommunications equipment

Keel en

EN 300 065-2 V1.2.1

Identne EN 300 065-2 V1.2.1:2009

Tähtaeg 15.06.2009

Electromagnetic compatibility and Radio spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive

Keel en

EN 300 065-3 V1.2.1

Identne EN 300 065-3 V1.2.1:2009

Tähtaeg 15.06.2009

Electromagnetic compatibility and Radio spectrum Matters (ERM); Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Part 3: Harmonized EN covering the essential requirements of article 3.3 (e) of the R&TTE directive

Keel en

EN 300 175-4 V2.2.2

Identne EN 300 175-4 V2.2.2:2009

Tähtaeg 15.06.2009

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

Keel en

EN 300 176-1 V2.1.0

Identne EN 300 176-1 V2.1.0 :2009

Tähtaeg 15.06.2009

Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 1: Radio

Keel en

EN 300 176-2 V2.1.0

Identne EN300 176-2 V2.1.0:2009

Tähtaeg 15.06.2009

Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 2: Audio and speech

Keel en

EN 301 406 V2.1.0

Identne EN 301 406 V2.1.0:2009

Tähtaeg 15.06.2009

Digital Enhanced Cordless Telecommunications (DECT); Harmonized EN for Digital Enhanced Cordless Telecommunications (DECT) covering the essential requirements under article 3.2 of the R&TTE Directive; Generic radio

Keel en

EN 301 489-4 V1.4.1

Identne EN 301 489-4 V1.4.1:2009

Tähtaeg 15.06.2009

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 4: Specific conditions for fixed radio links, Broadband Data Transmission System Base stations, ancillary equipment and services

Keel en

EN 301 489-17 V2.1.1

Identne EN 301 489-17 V2.1.1:2009

Tähtaeg 15.06.2009

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems

Keel en

EN 301 790 V1.5.1

Identne EN 301 790 V1.5.1:2009

Tähtaeg 15.06.2009

Digital Video Broadcasting (DVB); Interaction channel for satellite distribution systems

Keel en

EN 301 908-10 V4.1.0

Identne EN 301 908-10 V4.1.0:2009

Tähtaeg 15.06.2009

Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 10: Harmonized EN for IMT-2000, FDMA/TDMA (DECT) covering essential requirements of article 3.2 of the R&TTE Directive

Keel en

EN 302 544-1 V1.1.1

Identne EN 302 544-1 V1.1.1:2009

Tähtaeg 15.06.2009

Broadband Data Transmission Systems operating in the 2 500 MHz to 2 690 MHz frequency band; Part 1: TDD Base Stations; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

Keel en

EN 302 567 V1.1.1

Identne EN 302 567 V1.1.1:2009

Tähtaeg 15.06.2009

Broadband Radio Access Networks (BRAN); 60 GHz Multiple-Gigabit WAS/RLAN Systems; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

Keel en

FprEN 60118-13

Identne FprEN 60118-13:2009

ja identne IEC 60118-13:200X

Tähtaeg 29.06.2009

Kuuldeaparaadid. Osa 13: Elektromagnetiline ühilduvus (EMC)

This part of IEC 60118 in principle covers all relevant EMC phenomena for hearing aids. EMC phenomena, such as RF emission and electrostatic discharge, are not currently known to be a significant problem in connection with hearing aids and are therefore not dealt with. Based on new knowledge, they could be considered in connection with future revisions or extensions of this standard. Hearing aid immunity to high frequency electromagnetic fields originating from digital wireless devices is currently identified as the only relevant EMC phenomenon regarding hearing aids. IEC 61000-4-3 is the basis for relevant EMC tests to be conducted on hearing aids. Measurement methods and acceptance levels are described in this standard.

Keel en

Asendab EVS-EN 60118-13:2005

FprEN 61000-4-15

Identne FprEN 61000-4-15:2009

ja identne IEC 61000-4-15:200X

Tähtaeg 29.06.2009

Electromagnetic compatibility (EMC) - Part 4-15: Testing and measurement techniques - 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.

Keel en

Asendab EVS-EN 61000-4-15:2002; EVS-EN 61000-4-15:2002/A1:2003

FprEN 61300-2-9

Identne FprEN 61300-2-9:2009

ja identne IEC 61300-2-9:200X

Tähtaeg 29.06.2009

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock

The purpose of this part of IEC 61300 is to define a test method to reveal eventual mechanical weakness and/or degradation of fibre optic devices when subjected to non-repetitive mechanical shocks. It simulates infrequent non-repetitive shocks likely to be encountered in normal service or during transportation.

Keel en

Asendab EVS-EN 61300-2-9:2002

FprEN 61850-9-2

Identne FprEN 61850-9-2:2009

ja identne IEC 61850-9-2:200X

Tähtaeg 29.06.2009

Communication networks and systems for power utility automation - Part 9-2: Specific Communication Service Mapping (SCSM) - Sampled values over ISO/IEC 8802-3

This part of IEC 61850 defines the Specific Communication Service Mapping (SCSM) for the transmission of sampled values according to the abstract specification in IEC 61850-7-2. The mapping is that of the abstract model on a mixed stack using direct access to an ISO/IEC 8802-3 link for the transmission of the samples in combination with IEC 61850-8-1. Each SCSM consists of three parts: – a specification of the communication stack being used, – the mapping of the abstract specifications of IEC 61850-7 on the real elements of the stack being used, and – the implementation specification of functionality, that is not covered by the stack being used.

Keel en

Asendab EVS-EN 61850-9-2:2004

FprEN 62041

Identne FprEN 62041:2009

ja identne IEC 62041:200X

Tähtaeg 29.06.2009

Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - EMC requirements

This international product family standard applies to transformers, reactors and power supply units covered by the IEC 61558 series of standards. It prescribes the electromagnetic compatibility requirements for emission and immunity in the frequency range 0 Hz - 400 GHz. No measurement needs to be performed at frequencies where no requirement is specified. Transformers, reactors and power supply units delivered with or incorporated in an appliance or equipment shall comply with the relevant EMC standard applicable to that appliance or equipment. However this standard may be used as a guide to test the transformers, reactors and power supply units separately before incorporating them in the appliance or equipment.

Keel en

Asendab EVS-EN 62041:2004

35 INFOTEHNOLOOGIA. KONTORISEADMED**EN 61804-3:2007/FprA1**

Identne EN 61804-3:2007/FprA1:2009

ja identne IEC 61804-3:2006/A1:200X

Tähtaeg 29.06.2009

Function Blocks (FB) for process control -- Part 3: Electronic Device Description Language (EDDL)

This part of IEC 61804 specifies the Electronic Device Description Language (EDDL) technology, which enables the integration of real product details using the tools of the engineering life cycle. This standard specifies EDDL as a generic language for describing the properties of automation system components. EDDL is capable of describing • device parameters and their dependencies; • device functions, for example, simulation mode, calibration; • graphical representations, for example, menus; • interactions with control devices • graphical representations – enhanced user interface – graphing system • persistent data store.

Keel en

prEN 50159

Identne prEN 50159:2009
Tähtaeg 29.06.2009

Raudteealased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 1: Ohutusega seotud teabeedastus suletud ülekandesüsteemides

This European Standard is applicable to safety-related electronic systems using for communication purposes a transmission system which was not necessarily designed for safety-related applications and which is either – under the control of the designer and fixed during life time, or – partly unknown or not fixed, however unauthorised access can be excluded, or – not under the control of the designer, that means that also unauthorised access has to be regarded. Both safety-related equipment and non safety-related equipment can be connected to the transmission system. This standard gives the basic requirements needed to achieve safety-related communication between safety-related equipment connected to the transmission system. This European Standard is applicable to the safety requirement specification of the safety-related equipment, connected to the transmission system, in order to obtain the allocated safety integrity requirements.

Keel en

Asendab EVS-EN 50159-1:2002; EVS-EN 50159-2:2002

prEN ISO 16484-1

Identne prEN ISO 16484-1:2009
ja identne ISO/DIS 16484-1:2009
Tähtaeg 29.06.2009

Building automation and control systems (BACS) - Part 1: Project specification and implementation

This standard specifies general principles for project design and implementation and for the integration of other systems into the BACS. It describes the phases required for the project such as: - Design: Definition of project requirements; - engineering: Detailed function and hardware specification design; - installation: Installing and commissioning of the BACS; - completion: Handover, acceptance and finalization. It also describes the requirements for as-built documentation and training. Operation and maintenance are outside the scope of this standard.

Keel en

prEVS-ISO/IEC 13335-1

ja identne ISO/IEC 13335-1:2004
Tähtaeg 29.06.2009

Infotehnoloogia. Infoturbe halduse suunised. Osa 1: Infoturbe mõisted ja mudelid

Keel en

Asendatud EVS-ISO/IEC TR 13335-1:1999; EVS-ISO/IEC TR 13335-2:1999

prEVS-ISO/IEC 15288

ja identne ISO/IEC 15288:2008
Tähtaeg 29.06.2009

Süsteemitehnika. Süsteemi elutsükli protsessid

Keel en

Asendatud EVS-ISO/IEC 15288:2004

37 VISUAALTEHNIKA**FprEN 60674-3-8**

Identne FprEN 60674-3-8:2009
ja identne IEC 60674-3-8:200X
Tähtaeg 29.06.2009

Specification for plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 8: Requirements for balanced biaxially oriented polyethylenenaphthalate (PEN) films used for electrical insulation

This International Standard gives the requirements for balanced biaxially oriented poly-ethylene naphthalate (PEN) film for use as electrical insulation.

Keel en

43 MAANTEESÕIDUKITE EHITUS**EN 1501-1:1999/FprA2**

Identne EN 1501-1:1998/FprA2:2009
Tähtaeg 29.06.2009

Prügikogumissõidukid ja nendega ühendatud tõstemehhanismid. Põhi- ja ohutusnõuded. Osa 1: Tagantlaadimisega prügikogumissõidukid

Käesolev Euroopa standardi osa määrab kindlaks tahke prügi ja taaskasutatavate materjalide kogumise, transportimise ja kahjutustamise hüdraulilise ajamiga tagantlaadimisega sõidukite kere ohutus- ja konstruktsiooninõuded. Selle dokumendiga on hõlmatud ka juurdekuuluvad tõstemehhanismid ja æassiiga ühendavad vaheliidesed.

Keel en

EN 1501-2:2005/FprA1

Identne EN 1501-2:2005/FprA1:2009

Tähtaeg 29.06.2009

Prügikogumissõidukid ja nendega ühendatud tõstemehhanismid. Põhi- ja ohutusnõuded. Osa 2: Külglaadimisega prügikogumissõidukid

This European Standard specifies the technical requirements to minimise the hazards listed in Clause 5 which can arise during the operation and the maintenance of side loaded refuse collection vehicles (side loaded RCVs) used for the collection, transportation and unloading of solid wastes and as intended by the manufacturer or his authorised representative.

Keel en

45 RAUDTEETEHNIKA**prEN 50159**

Identne prEN 50159:2009

Tähtaeg 29.06.2009

Raudteelased rakendused. Side-, signalisatsiooni- ja andmetöötuse süsteemid. Osa 1: Ohutusega seotud teabeedastus suletud ülekandesüsteemides

This European Standard is applicable to safety-related electronic systems using for communication purposes a transmission system which was not necessarily designed for safety-related applications and which is either – under the control of the designer and fixed during life time, or – partly unknown or not fixed, however unauthorised access can be excluded, or – not under the control of the designer, that means that also unauthorised access has to be regarded. Both safety-related equipment and non safety-related equipment can be connected to the transmission system. This standard gives the basic requirements needed to achieve safety-related communication between safety-related equipment connected to the transmission system. This European Standard is applicable to the safety requirement specification of the safety-related equipment, connected to the transmission system, in order to obtain the allocated safety integrity requirements.

Keel en

Asendab EVS-EN 50159-1:2002; EVS-EN 50159-2:2002

49 LENNUNDUS JA KOSMOSETEHNIKA**FprEN 3733-001**

Identne FprEN 3733-001:2009

Tähtaeg 29.06.2009

Single way circular connector for 200/280 optical fibres with self-locking screw coupling operating - Temperatures - 65 °C to 150 °C - Technical specification

This standard specifies the general characteristics, the conditions for qualification, acceptance and quality assurance as well as the test programs and groups for self-locking ring coupling, single channel, circular fibre-optic connectors intended for operating temperatures up to 150 °C for aerospace applications.

Keel en

FprEN 3745-506

Identne FprEN 3745-506:2009

Tähtaeg 29.06.2009

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 506: Impact resistance

This standard specifies a method to determine the ability of an optical fibre or cable to withstand impact under specified environmental conditions.

Keel en

FprEN 9100

Identne FprEN 9100:2009

Tähtaeg 29.06.2009

Aerospace series - Quality management systems - Requirements (based on ISO 9001:2000) and Quality systems - Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994)

This International Standard specifies requirements for a quality management system where an organization a) needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements, and b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Keel en

Asendab EVS-EN 9100:2003

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID**FprEN 13029**

Identne FprEN 13029:2009

Tähtaeg 29.06.2009

Packaging - Light-gauge metal packaging - Apertures for plug-in plastic closures

This European Standard specifies the dimensions and profile of the aperture for plug-in plastic closures used in round and non-round metal containers of nominal wall thickness equal to or less than 0,49 mm.

Keel en

Asendab EVS-EN 13029:2001

59 TEKSTIILI- JA NAHATEHNOLOOGIA**EN 13112:2002/FprA1**

Identne EN 13112:2002/FprA1:2009

Tähtaeg 29.06.2009

Nahaparkimismasinad. Lõhkumis- ja lintnoapügamismasinad. Ohutusnõuded

This European Standard specifies safety requirements for design, construction, operation, adjustment, setting, cleaning and maintenance of - splitting machines (see figures 1, 2) for limed hides and skins, wet blue and dry materials, - bandknife shearing machines (see figures 3, 4, 5, 6) used in the splitting and shearing of leather and synthetic materials. This standard takes account of intended use, foreseeable misuse, component and systems failure. The machines are for fixed installation. This European Standard applies to the machines manufactured after its date of issue. All the significant hazards listed in clause 4 are safeguarded by the requirements included in clause 5 except dust and fire. For these hazards general guidelines are proposed in normative annex A. Designers and manufacturers shall verify directly that the methods adopted to reduce these hazards have been successful. This standard does not establish any requirements for electromagnetic disturbances.

Keel en

EN 13114:2002/FprA1

Identne EN 13114:2002/FprA1:2009

Tähtaeg 29.06.2009

Nahaparkimismasinad. Pöördprotsessi anumad. Ohutusnõuded

This European standard specifies safety requirements for design, construction, operation, adjustment, setting, cleaning and maintenance of a machine. This standard covers the following machines: a) horizontal rotating vessels; b) inclined rotating vessels. This standard does not apply to machines using substances containing solvent, that would generate fume and/or vapour detrimental to health, or that may lead to fire or explosive atmosphere.

Keel en

prEN 15930

Identne prEN 15930:2009

Tähtaeg 29.06.2009

Fibres - Elasticity of fibres - Test methods

This test method covers the determination of the elasticity of fibres. It is applicable to single man-made crimped and uncrimped fibres.

Keel en

65 PÖLLUMAJANDUS**EN 786:2005/FprA2**

Identne EN 786:1996/FprA2:2009

Tähtaeg 29.06.2009

Aiapidamisseadmed. Eeslükatavad ja käeshoitavad elektriajamiga murutrimmerid ja muruservatrimmerid. Mehaaniline ohutus

Käesolev Euroopa standard määrab kindlaks konstruktsioonile ning tarindusele esitatavad mehaanilise ohutuse nõuded ning testimiskorra eeslükatavate ja käeshoitavate elektriajamiga murutrimmerite ja muruservatrimmerite suhtes, mida kasutatakse püsti seisest peamiselt rohu niitmiseks ning millel on mittemetalsest kiust (tamiilist) lõikeelemendid või vabalt pöörlev(ad) mittemetallne (-metalsed) lõikur(id), millest ühegi kineetilise energia ei ületa 10 J.

Keel en

EN 1853:2002/FprA1

Identne EN 1853:1999/FprA1:2009

Tähtaeg 29.06.2009

Põllumajandusmasinad. Kallurhaagised. Ohutus

Käesolev standard määrab kindlaks (spetsifitseerib) eriomased (spetsiifilised) ohutusnõuded ning nende kontrollimise korra põllumajanduslike kallurkastiga täis- ja poolhaagiste konstrueerimiseks ja valmistamiseks, kusjuures põllumajandushaagise mõiste viitab veokile, mida põllumajanduses kasutatakse üksnes vedudeks ning mis konstruktsioonist tulenevalt on kohandatav ja ette nähtud traktoriga või põllumajandusliku liikurmasinaga vedamiseks. Käesolev standard ei ole rakendatav eemaldatava veokastiga haagistele. Lisaks esitab see standard näidisteabe tootja poolt ette nähtud ohutute töötamistavade kohta. Käesolevas standardis käsitletud oluliste ohtude nimestik on toodud lisas A. Lisa A näitab ka ohud, mida ei ole käsitletud. □ Keskkonnaaspekte ei ole käesolevas standardis arvesse võetud. Käesolev standard kehtib peamiselt nendele masinatele, mis on valmistatud pärast standardi väljaandmise kuupäeva.

Keel en

EN 13448:2002/FprA1

Identne EN 13448:2001/FprA1:2009

Tähtaeg 29.06.2009

Põllumajandus- ja metsatöömehhanismid. Reasniitmehhanismid. Ohutus

This standard specifies the safety requirements and test methods for the design and construction of inter-row mowing units with vertical spindles mounted on grass cutting machines such as the flail mowers, used in agriculture, forestry and landscaping to cut the grass in the area between two successive obstruction. It describes methods for elimination or reduction of risks arising from their use. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. Environmental aspects have not been considered in this standard.

Keel en

EN 13525:2005+A1:2007/prA2

Identne EN 13525:2005/prA2:2009

Tähtaeg 29.06.2009

Metsandusmasinad. Puiduhakkurid. Ohutus

This document specifies safety requirements and their verification for design and construction of transportable, i.e. self-propelled, mounted, semi-mounted and trailed, wood chippers used in forestry, agriculture, horticulture and landscaping.

Keel en

EN 14018:2005/FprA1

Identne EN 14018:2005/FprA1:2009

Tähtaeg 29.06.2009

Põllumajandus- ja metsatöömehhanismid. Külvimasinad. Ohutus

This European Standard, applied together with EN 1553:1999, specifies the safety requirements and their verification for design and construction of mounted, semi-mounted, trailed or self-propelled seed drills, including the seeding function of combined seed and fertilizer drills, used in agriculture and in forestry. In addition, this European Standard specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

Keel en

FprEN 15811

Identne FprEN 15811:2009

Tähtaeg 29.06.2009

Agricultural machinery - Guards for moving parts of power transmission - Guard opening with tool

This European Standard gives safety requirements, and the means of verifying them, for the design and construction of guards, only able to be opened with a tool, which are used to guard the moving parts of the power transmission of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. It deals with the significant hazards (as listed in Annex A), hazardous situations and events relevant to guards of moving parts of power transmission used as intended and under the conditions foreseen by the manufacturer (see Clauses 4 and 5). It is not applicable to guards for moving parts of the power transmission of: - tractors, - aircraft, - air cushion vehicles, or - lawn and garden equipment.

Keel EN

FprEN ISO 4254-1

Identne FprEN ISO 4254-1:2009

ja identne ISO 4254-1:2008

Tähtaeg 29.06.2009

Agricultural machinery — Safety — Part 1: General requirements

This part of ISO 4254 specifies the general safety requirements and their verification for the design and construction of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. This part of ISO 4254 deals with significant hazards (as listed in Annex A), hazardous situations and events relevant to this agricultural machinery used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

Keel en

Asendab EVS-EN ISO 4254-1:2006

prEN ISO 6498

Identne prEN ISO 6498:2009

ja identne ISO/DIS 6498:2009

Tähtaeg 29.06.2009

Animal feeding stuffs - Guidelines for sample preparation

This European Standard specifies guidelines for the preparation of test samples from laboratory samples of animal feeding stuffs including pet foods mostly quoted from AAFCO guidelines [1]. The guidelines are overruled by special instructions for sample preparation demanded by specific analysis methods for feeding stuffs (e.g. ISO, CEN, IEC).

Keel en

71 KEEMILINE TEHNOLOOGIA**FprEN 46-1**

Identne FprEN 46-1:2009

Tähtaeg 29.06.2009

Wood preservatives - Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) - Part 1: Application by surface treatment (Laboratory method)

This document specifies a method for the determination of the preventive action of a wood preservative against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) when the preservative is applied as a surface treatment to wood. This method is applicable to: - water-insoluble chemicals which are being studied as active insecticides; - organic formulations, as supplied or as prepared in the laboratory by dilution of concentrates; - organic water-dispersible formulations as supplied or as prepared in the laboratory by dilution of concentrates, and - water-soluble materials, for example salts. The method is applicable whether or not the test specimens have been subjected to appropriate ageing procedures.

Keel en

Asendab EVS-EN 46-1:2005

FprEN 46-2

Identne FprEN 46-2:2009

Tähtaeg 29.06.2009

Wood preservatives - Determination of the preventive action against *Hylotrupes bajulus* (Linnaeus) - Part 2: Ovicidal effect (laboratory method)

This part of EN 46 specifies a method for the determination of the preventive action of a wood preservative against eggs of *Hylotrupes bajulus* (Linnaeus) when the preservative is applied as a surface treatment to wood. This method is applicable to: 1) water-insoluble chemicals which are being studied as active insecticides, 2) organic formulations, as supplied or as prepared in the laboratory by dilution of concentrates, 3) organic water-dispersible formulations as supplied or as prepared in the laboratory by dilution of concentrates, or 4) water-soluble materials, for example salts. The method is applicable whether or not the test specimens have been subjected to appropriate ageing procedures.

Keel en

Asendab EVS-EN 46-2:2006

prEN 12829

Identne prEN 12829:2009

Tähtaeg 29.06.2009

Surface active agents - Preparation of water with known calcium and magnesium hardness

This standard specifies a method of preparing water of known calcium and magnesium hardness for use in testing surface active agents and products containing them.

Keel en

Asendab EVS-EN 12829:2000

prEN ISO 10801

Identne prEN ISO 10801:2009

ja identne ISO/DIS 10801:2009

Tähtaeg 29.06.2009

Nanotechnologies - Generation of metal nanoparticles for inhalation toxicity testing using the evaporation/condensation method

The scope of this standard is limited to the metals such, as gold and silver, which have been proven to generate nanoparticles suitable for inhalation toxicity testing using the evaporation/condensation method described in this standard.

Keel en

prEN ISO 29701

Identne prEN ISO 29701:2009
ja identne ISO/DIS 29701:2009
Tähtaeg 29.06.2009

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

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

Keel en

75 NAFTA JA NAFTATEHNOLOGIA**FprEN 14774-2**

Identne FprEN 14774-2:2009
Tähtaeg 29.06.2009

Solid biofuels - Methods for the determination of moisture content - Oven dry method - Part 2: Total moisture - Simplified method

This document describes the method of determining the total moisture content of a sample of solid biofuels by drying in an oven and may be used when the highest precision is not needed e.g. for routine production control on site. The method described in this document is applicable to all solid biofuels. The total moisture content of biofuels is not an absolute value and conditions for its determination have to be standardised to enable comparative determinations to be made.

Keel en

Asendab CEN/TS 14774-2:2004

FprEN 14775

Identne FprEN 14775:2009
Tähtaeg 29.06.2009

Solid biofuels - Determination of ash content

This document specifies a method for the determination of ash content of all solid biofuels (CEN/TS 14588).

Keel en

Asendab CEN/TS 14775:2004

FprEN 14918

Identne FprEN 14918:2009
Tähtaeg 29.06.2009

Solid biofuels - Determination of calorific value

This document specifies a method for the determination of the gross calorific value of a solid biofuel at constant volume and at the reference temperature 25 °C in a bomb calorimeter calibrated by combustion of certified benzoic acid. The result obtained is the gross calorific value of the analysis sample at constant volume with all the water of the combustion products as liquid water. In practice, biofuels are burned at constant (atmospheric) pressure and the water is either not condensed (removed as vapour with the flue gases) or condensed. Under both conditions, the operative heat of combustion to be used is the net calorific value of the fuel at constant pressure. The net calorific value at constant volume may also be used; formulae are given for calculating both values. General principles and procedures for the calibrations and the biofuel experiments are presented in the main text, whereas those pertaining to the use of a particular type of calorimetric instrument are described in Annexes A to C. Annex D contains checklists for performing calibration and fuel experiments using specified types of calorimeters. Annex E gives examples to illustrate some of the calculations.

Keel en

Asendab CEN/TS 14918:2005

FprEN 15103

Identne FprEN 15103:2009
Tähtaeg 29.06.2009

Solid biofuels - Determination of bulk density

This document describes a method of determining bulk density of solid biofuels by the use of a standard measuring container. This method is applicable to all solid biofuels with a nominal top size of maximum 100 mm. Bulk density is not an absolute value, therefore conditions for its determination have to be standardised in order to gain comparative measuring results.

Keel en

Asendab CEN/TS 15103:2005

FprEN 15148

Identne FprEN 15148:2009

Tähtaeg 29.06.2009

Solid biofuels - Determination of the content of volatile matter

This working document aims to define the requirements and method used to determine the volatile matter content of solid biofuels. It is intended for persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to solid biofuels, and to all persons and organisations involved in producing, purchasing, selling and utilising solid biofuels. The volatile matter content is determined as the loss in mass, less that due to moisture, when solid biofuel is heated out of contact with air under standardized conditions.

Keel en

Asendab CEN/TS 15148:2005

FprEN 15210-1

Identne FprEN 15210-1:2009

Tähtaeg 29.06.2009

Solid biofuels - Determination of mechanical durability of pellets and briquettes - Part 1: Pellets

This document aims to define the requirements and method used for testing the mechanical durability of pellets. It is intended for persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to such pellets, and to all persons and organisations involved in producing, purchasing, selling and utilising pellets. The durability is the measure of the resistance of densified fuels towards shocks and/or abrasion as a consequence of handling and transportation processes.

Keel en

Asendab CEN/TS 15210-1:2005

prEN 15293

Identne prEN 15293:2009

Tähtaeg 29.06.2009

Automotive fuels - Ethanol (E85) automotive fuel - Requirements and test methods

This European Standard specifies requirements and test methods for marketed and delivered Ethanol (E85) automotive fuel. It is applicable to Ethanol (E85) for use in spark ignition engine vehicles designed to run on Ethanol (E85). Ethanol (E85) is a mixture of nominally 85 % ethanol and petrol, but also including the possibility of having different 'seasonal grades' containing more than 50 % ethanol.

Keel en

Asendab CWA 15293:2005

prEN 15938

Identne prEN 15938:2009

Tähtaeg 29.06.2009

Automotive fuels - Ethanol blending component and ethanol (E85) fuel - Determination of electrical conductivity

This document specifies a test method for the determination of the electrical conductivity in ethanol and ethanol fuel in the range from approximately (0,3 to 5) $\mu\text{S}/\text{cm}$ at a temperature of 25 °C. The electrical conductivity is determined from the measured electrical conductance. The electrical conductivity is an important analytical criterion for the ascertainment and control of anionic and cationic components in ethanol and ethanol fuel. Some of these components can exhibit corrosive properties.

Keel en

77 METALLURGIA**prEN 10029**

Identne prEN 10029:2009

Tähtaeg 29.06.2009

Kuumvaltsitud terasplaadid paksusega 3 mm või üle selle. Mõõtmete tolerantsid ning profiili ja massi lubatud piirhälve

This European Standard specifies tolerances on dimensions and shape for hot-rolled non-alloy and alloy steel plates with the following characteristics: nominal thickness $3 \text{ mm} \leq t \leq 400 \text{ mm}$; nominal width $w \geq 600 \text{ mm}$; Tolerances for products of width $w < 600 \text{ mm}$ cut or slit from plate should be agreed between manufacturer and purchaser at the time of enquiry and order. This European Standard applies, but is not limited – to plates made of steel grades defined in EN 10025-2 to EN 10025-6, EN 10028-2 to EN 10028-6, EN 10083-2 and EN 10083-3, EN 10084, EN 10085, EN 10149-2 and EN 10149-3 and EN 10207 (see also Annex A). It does not apply to stainless steels. This European Standard does not include round plates, custom-made plates, chequer or bulb plate for flooring and wide flats.

Keel en

Asendab EVS-EN 10029:2000

prEN 10051

Identne prEN 10051:2009

Tähtaeg 29.06.2009

Hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape

This European Standard specifies tolerances on dimensions and shape for continuously hot-rolled uncoated plate/sheet and strip with a maximum width of 2 200 mm of non-alloy and alloy steels in accordance with Table 1 (see also Annex A). This European Standard also applies to hot-rolled strip for cold rolling.

Keel en

Asendab EVS-EN 10051:2000

prEN 10218-1

Identne prEN 10218-1:2009

Tähtaeg 29.06.2009

Terastraat ja traattooted. Üldinfo. Osa 1: Katsemeetodid

This part of EN 10218 specifies the methods for the general testing of steel wire and wire products which have been cold worked, annealed or oil hardened and tempered and/or coated and are of constant cross section, either round, or special section. It includes tensile testing, torsion testing, reverse bend testing, wrapping test, bend test, reverse torsion test, compression test, deep etch test, hardness test, quench hardenability test, fatigue test, wire cast measurement, artificial ageing, decarburization test, non-destructive tests, grain size tests, segregation test, non-metallic inclusion test and chemical analysis.

Keel en

Asendab EVS-EN 10218-1:2000

prEN 10218-2

Identne prEN 10218-2:2009

Tähtaeg 29.06.2009

Terastraat ja traattooted. Üldinfo. Osa 2: Traadi mõõtmed ja tolerantsid

This part of EN 10218 specifies the tolerances on diameter of round wire and, where applicable, on the length of round wire cut to length, for bright steel wire, (i.e. uncoated), metallic coated steel wire and non-metallic coated steel wire. This standard should not be applied where other requirements for dimensions and tolerances are specified in a particular product standard.

Keel en

Asendab EVS-EN 10218-2:2000

prEN 10270-1

Identne prEN 10270-1:2009

Tähtaeg 29.06.2009

Steel wire for mechanical springs - Part 1: Patented cold drawn unalloyed steel wire

1.1 This part of EN 10270 applies to patented cold drawn unalloyed steel wire of circular cross-section for the manufacture of mechanical springs for static duty and dynamic duty applications. 1.2 In addition to this part of EN 10270 the general technical delivery requirements of EN 10021 are applicable.

Keel en

Asendab EVS-EN 10270-1:2001

prEN 10270-2

Identne prEN 10270-2:2009

Tähtaeg 29.06.2009

Steel wire for mechanical springs - Part 2: Oil hardened and tempered spring steel wire

1.1 This part of EN 10270 applies to oil hardened and tempered spring steel wire made from unalloyed or alloyed steels. They are primarily subject to torsional stresses such as in coil springs for compression and extension and in special cases also for applications where the spring wire is subject to bending stresses such as lever springs. As a rule unalloyed steels are used for applications at room temperature whereas alloyed steels are generally used at a temperature above room temperature. Alloyed steels may also be chosen for above average tensile strengths. 1.2 In addition to this part of EN 10270 the general technical delivery requirements of EN 10021 are applicable.

Keel en

Asendab EVS-EN 10270-2:2001

prEN 10270-3

Identne prEN 10270-3:2009

Tähtaeg 29.06.2009

Steel wire for mechanical springs - Part 3: Stainless spring steel wire

1.1 This part of EN 10270 applies to the grades of stainless steels listed in Table 1, which are usually used in the cold drawn condition in the form of wire of circular cross-section up to 10,00 mm in diameter, for the production of springs and spring parts that are exposed to corrosive effects and sometimes to slightly increased temperatures (see A.1). 1.2 In addition to the steels listed in Table 1 certain of the steel grades covered by EN 10088-3 e.g. 1.4571, 1.4539, 1.4028 are also used for springs, although to much lesser extent. In these cases the mechanical properties (tensile strength, etc.) should be agreed between purchaser and supplier. Similarly, diameters between 10,00 mm and 15,00 mm may be ordered against this standard; in this case the parties should agree upon the required mechanical characteristics. 1.3 In addition to this part of EN 10270 the general technical delivery requirements of EN 10021 are applicable.

Keel en

Asendab EVS-EN 10270-3:2001

prEN 12163

Identne prEN 12163:2009

Tähtaeg 29.06.2009

Vask ja vasesulamid - Üldotstarbelised vardad

This European Standard specifies the composition, property requirements and dimensional tolerances for copper and copper alloy rod final produced by drawing or extruding intended for general purposes. The sampling procedures and the methods of test for verification of conformity to the requirements of this European Standard are also specified.

Keel en

Asendab EVS-EN 12163:2001

prEN 12164

Identne prEN 12164:2009

Tähtaeg 29.06.2009

Vask ja vasesulamid. Kergeks mehaaniliseks töötuseks ettenähtud vardad

This European Standard specifies the composition, property requirements and dimensional tolerances for copper alloy rod, final produced by drawing or extruding, especially intended for free machining purposes. The sampling procedures, the methods of test for verification of conformity to the requirements of this European Standard, and the delivery conditions are also specified.

Keel en

Asendab EVS-EN 12164:2000; EVS-EN 12164:2000/A1:2000

prEN 12165

Identne prEN 12165:2009

Tähtaeg 29.06.2009

Vask ja vasesulamid. Deformeeritavad ja mitteformeeritavad sepietoorikud

This European Standard specifies the composition, property requirements and dimensional tolerances for forging stock of copper and copper alloys. The sampling procedures and the methods of test for verification of conformity to the requirements of this European Standard are also specified.

Keel en

Asendab EVS-EN 12165:2000

prEN 12166

Identne prEN 12166:2009

Tähtaeg 29.06.2009

Vask ja vasesulamid. Üldotstarbeline traat

This European Standard specifies the composition, property requirements and dimensional tolerances for copper and copper alloy wire, final produced by drawing, rolling or extruding, intended for general purposes, spring and fastener manufacturing applications. The sampling procedures, the methods of test for verification of conformity to the requirements of this European Standard, and the delivery conditions are also specified.

Keel en

Asendab EVS-EN 12166:2000

prEN 12167

Identne prEN 12167:2009

Tähtaeg 29.06.2009

Vask ja vasesulamid. Profiilid ja ristkülikukujulise ristlõikega üldotstarbelised latid

This European Standard specifies the composition, property requirements and dimensional tolerances for copper and copper alloy profiles, solid, profiles with L-, T-, U-shaped cross-sections and bars, final produced by drawing or extruding. This standard applies to bar with thicknesses from 3 mm up to and including 60 mm and with widths from 6 mm up to and including 120 mm. The sampling procedures, the methods of test for verification of conformity to the requirements of this European Standard, and the delivery conditions are also specified.

Keel en

Asendab EVS-EN 12167:1999

prEN 12168

Identne prEN 12168:2009

Tähtaeg 29.06.2009

Vask ja vasesulamid. Õonesvardad kergeks mehaaniliseks töötuseks

This European Standard specifies the composition, property requirements and dimensional tolerances for copper alloy hollow rods final produced by drawing or extruding specifically intended for free machining purposes. NOTE Hollow products having an outside diameter greater than 80 mm, and/or a wall thickness less than 2 mm, are specified in EN 12449. The sampling procedures, the methods of test for verification of conformity to the requirements of this European Standard, and the delivery conditions are also specified.

Keel en

Asendab EVS-EN 12168:2000; EVS-EN 12168:2000/A1:2000

prEN 13411-4

Identne prEN 13411-4:2009

Tähtaeg 29.06.2009

Terastraadist trosside otsmuhvid. Ohutus. Osa 4: Metall- ja polümeerliitmikud

This European Standard specifies the minimum requirements for the molten metal and resin socketing of steel wire ropes conforming to EN 12385 parts 4 to 10. The standard covers only those requirements that ensure that the socketing is strong enough to withstand a force of at least 100 % of the minimum breaking force of the rope (i.e. socket termination efficiency factor $KT = 1,0$). NOTE Rope terminations made by socketing in accordance with this European Standard can be used for determining the breaking force of wire ropes in accordance with annex A of EN 12385-1:2002. Socketing by the methods and materials described in this standard are for use within the temperature limits given in informative annex E. The hazards covered by this European standard are identified in Clause 4.

Keel en

Asendab EVS-EN 13411-4:2002+A1:2008

prEN 13411-8

Identne prEN 13411-8:2009

Tähtaeg 29.06.2009

Terminations for steel wire ropes - Safety - Part 8: Swage terminals and swaging

This European Standard covers the manufacturing and type test requirements for swage terminals and the securing of such terminals to carbon and stainless steel wire ropes by a swaging process. This European Standard covers those swaged terminations that have a terminal efficiency factor, KT , of at least 0,9. This standard covers terminals of the following types that are made of carbon or stainless steel. a) open swage socket (i.e. fork end); b) closed swage socket (i.e. loop end); c) swage terminal with thread (for length adjustment); and d) swage terminal end stop. This European Standard deals with all significant hazards, hazardous situations and events relevant to swaged terminations, when used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. The hazards covered by this European Standard are identified in Clause 4. This European Standard applies to swaged terminations which are manufactured after the date of its publication.

Keel en

prEN ISO 376

Identne prEN ISO 736:2009

ja identne ISO/DIS 376:2009

Tähtaeg 29.06.2009

Metallmaterjalid. Üheteljesuunaliste katseseadmete kontrollimiseks kasutatavate jõumõõteriistade kalibreerimine

This International Standard covers the calibration of force-proving instruments used for the static verification of uniaxial testing machines (e.g. tension/compression testing machines) and describes a procedure for classifying these instruments. A force-proving instrument is defined as being the whole assembly from the force transducer through to and including the indicator. This International Standard generally applies to force-proving instruments in which the force is determined by measuring the elastic deformation of a loaded member or a quantity which is proportional to it.

Keel en

Asendab EVS-EN ISO 376:2005

prEN ISO 6892-2

Identne prEN ISO 6892-2:2009

Tähtaeg 29.06.2009

Metallmaterjalid. Tõmbeteim. Osa 5: Teimimeetod kõrgendatud temperatuuril

This International Standard specifies a method of tensile testing of metallic materials at a specified temperature greater than room temperature.

Keel en

Asendab EVS-EN 10002-5:2003

79 PUIDUTEHNOLOOGIA**EN 848-1:2007/FprA1**

Identne EN 848-1:2007/FprA1:2009

Tähtaeg 29.06.2009

Puidutöötlemismasinade ohutus. Ühepoolised pöörleva lõiketeraga puidutöötluspingid. Osa 1: Ühespindlilised vertikaalsed puidutöötluspingid

This document deals with the significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable hand fed single spindle vertical moulding machines (with or without demountable power feed unit), herein after referred to as "machines", designed to cut solid wood, chip board, fibreboard, plywood and also these materials if they are covered with plastic laminate or edgings when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

EN 848-2:2007/FprA1

Identne EN 848-2:2007/FprA1:2009

Tähtaeg 29.06.2009

Puidutöötlusmasinate ohutus. Ühepoolsed pöörleva löiketeraga puidutöötluspingid. Osa 2: Ühespindlilised käsitsi- ja kombineeritud etteandega vertikaalfreespingid

This document deals with the significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable single spindle hand fed/integrated fed routing machines with fixed head but allowing only movement along the axis of the tool during machining hereinafter referred to as "machines" designed to cut solid wood, chip board, fibreboard, plywood and also these materials if they are covered with plastic laminate, edgings or veneer when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

EN 1870-17:2007/FprA2

Identne EN 1870-17:2007/FprA2:2009

Tähtaeg 29.06.2009

Puidutöötlemismasinate ohutus. Ketassaagimisseadmed. Osa 17: Käsijuhtimisega ühe saeteraga horisontaalsed järkamissaemasinad (universaalsed käsi-pendelsaad)

This document deals with the significant hazards, hazardous situation and events as listed in Clause 4, relevant to stationary and displaceable manual horizontal cutting cross-cut circular sawing machines with one saw unit (manual radial arm saws), hereinafter referred to as "machines", designed to cut solid wood, chipboard, fibreboard, plywood and also these materials if they are covered with plastic edging and/or plastic laminates, when they are used as intended and under the conditions foreseen by the manufacturer.

Keel en

prEN 15497

Identne prEN 15497:2009

Tähtaeg 29.06.2009

Finger jointed structural timber - Performance requirements and minimum production requirements

This European standard specifies performance and production requirements for finger jointed structural timber with rectangular cross-section. This standard covers also test and/or calculation methods to carry out the evaluation of conformity and requirements for marking of these finger joints. This standard is only applicable to finger joints between timber members of the same species or species combination. The standard covers not only coniferous species but also broad-leaved species where it has been shown that the type of adhesive used and the assembly conditions for finger-jointing timber are suitable for that type of species. This standard covers finger-jointed structural timber untreated or treated against biological attack after finger-jointing. This standard does not cover impressed (die-formed) finger joints. Individual finger jointed laminations and large finger joints for glued laminated timber are not covered by the present standard. Structural timber treated against fire is not covered by this standard.

Keel en

81 KLAASI- JA KERAAMIKA-TÖÖSTUS**EN 13042-1:2007/FprA1**

Identne EN 13042-1:2007/FprA1:2009

Tähtaeg 29.06.2009

Masinad ja jaamad puhutud klaasi valmistamiseks ja töötlemiseks. Ohutusnõuded. Osa 1: Klaasimulli etteandesüsteemid

This European Standard contains the requirements for safety for the design and installation of gob feeders capable of serving succeeding machinery with jobs.

Keel en

91 EHITUSMATERJALID JA EHITUS**EN 12001:2004/prA1**

Identne EN 12001:2003/prA1:2009

Tähtaeg 29.06.2009

Betooni ja mördi vedamise, pritsimise ja laotamise masinad. Ohutusnõuded

1.1 This standard specifies the safety requirements for:- conveying machines;- spraying machines;- placing machines for concrete and mortar or their components. The machinery can be stationary or mobile. This standard covers the machines described in 3.3 to 3.9

Keel en

FprEN 480-13

Identne FprEN 480-13:2009

Tähtaeg 29.06.2009

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 a prescribed 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.

Keel en

Asendab EVS-EN 480-13:2002

FprEN 13670

Identne FprEN 13670:2009
Tähtaeg 29.06.2009

Execution of concrete structures

(1) This European Standard gives common requirements for execution of concrete structures, it applies to both in-situ works and construction using prefabricated concrete elements. (2) This standard expects the execution specification to state all the specific requirements relevant to the particular structure. (3) This standard is applicable to permanent as well as temporary concrete structures. (4) Additional or different requirements should be considered and, if required, given in the execution specification when using: a) lightweight aggregate concrete; b) other materials (e.g. fibres) or constituent materials; c) special technologies/innovative designs.

Keel en

Asendab EVS-ENV 13670-1:2003

FprEN ISO 11691

Identne FprEN ISO 11691:2009
ja identne ISO 11691:1995
Tähtaeg 29.06.2009

Akustika.Torustikku paigaldatud summuti summutusvõime mõõtmine ilma läbivooluta. Laboriseiremeetod

Standard kirjeldab laboratoorset asendusmeetodit torustikku ühendatud, peamiselt neelavate ringi- ja ristkülikukujulise ristlõikega summutite, samuti ka teiste ventilatsiooni- ja õhukonditsioneerimissüsteemis kasutatavatel torustikuelementidel summutusvõime ilma vooluta määramiseks.

Keel en

Asendab EVS-EN ISO 11691:1999

FprHD 60364-7-702

Identne FprHD 60364-7-702:2009
ja identne IEC 60364-7-702:200X
Tähtaeg 29.06.2009

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

This part applies to electrical installations of: - basins of swimming and paddling pools and in their surrounding zones; - areas in natural waters, lakes in gravel pits and coastal and similar areas, specially intended to be occupied by persons for swimming, paddling and similar purposes, and their surrounding zones. Such areas in natural waters, lakes in gravel pits and coastal and similar areas, are considered as swimming pools; - basins of fountains and their surrounding zones.

Keel en

Asendab EVS-HD 384.7.702 S2:2004

prEN 806-5

Identne prEN 806-5:2009
Tähtaeg 29.06.2009

Specification for installations inside buildings conveying water for human consumption - Part 5: Operation and Maintenance

This European Standard specifies requirements and gives recommendations for the operation and maintenance of drinking water installations within buildings and for pipework outside buildings but within the premises in accordance with EN 806-1.

Keel en

prEN 13618

Identne prEN 13618:2009
Tähtaeg 29.06.2009

Flexible hose assemblies in drinking water installations - Functional requirements and test methods

This European Standard specifies the requirements and test methods for materials, dimensions and function for flexible hose assemblies designed for use with drinking water with a maximum static pressure of 1 MPa and maximum operating temperature 70 °C. This standard is applicable to flexible hose assemblies intended to be used in drinking water installations in accordance with EN 806-2:2005 for application class 2 to connect sanitary tap ware, heaters and similar appliances.

Keel en

prEN 13633

Identne prEN 13633:2009
Tähtaeg 29.06.2009

Building hardware - Electrically controlled panic exit systems for use on escape routes - Requirements and test methods

This European standard specifies requirements for the manufacture, performance and testing of electrically controlled panic exit systems, specifically designed for use in a panic situation on escape routes. These systems consist of at least the following elements: □- Requesting element integrated in a horizontal bar for requesting the release of electrical locking elements in one single operation in order to exit; □- Electrical locking element for securing an exit door; □- Electrical controlling element for supplying, connecting and controlling electrical locking element and requesting element. This European Standard covers panic exit systems placed on the market as a complete unit (e.g. mortise lock, cylinder, keeper, requesting element integrated in a horizontal bar, electrical locking element, electrical controlling element, etc.). The components are tested as a single product.

Keel en

prEN 13637

Identne prEN 13637:2009

Tähtaeg 29.06.2009

Building hardware - Electrically controlled exit systems for use on escape routes - Requirements and test methods

This European standard specifies requirements for the manufacture, performance and testing of electrically controlled escape exit systems, specifically designed for use in an emergency situation on escape routes. These systems consist of at least the following elements: - Requesting element for requesting the release of electrical locking element in order to exit; - Electrical locking element for securing an emergency exit door; - Electrical controlling element for supplying, connecting and controlling electrical locking element and requesting element. - In addition, these electrically controlled escape exit systems can include time delay and/or denied egress mode. This European Standard covers escape exit systems placed on the market as a complete unit (e.g. mortise lock, lever handle, cylinder, keeper, requesting element, electrical locking element, electrical controlling element, etc.). The components are tested as a single product.

Keel en

prEN 15269-2

Identne prEN 15269-2:2009

Tähtaeg 29.06.2009

Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware - Part 2: Fire resistance of hinged and pivoted steel doorsets

This Part of prEN 15269, which should be read in conjunction with prEN 15269-1, covers single and double leaf, hinged and pivoted, steel based doorsets. This document prescribes the methodology for extending the application of test results obtained from test(s) conducted in accordance with EN 1634-1. Subject to the completion of the appropriate test or tests selected from those identified in Clause 4 the extended application may cover all or some of the following non-exhaustive list: - Integrity only (E), radiation (EW) or insulated (EI1 or EI2) classifications; - door leaf; - wall/ceiling fixed elements (frame/suspension system; - glazing for door leaf; - items of building hardware; - decorative finishes; - intumescent, smoke, draught or acoustic seals; - alternative supporting construction(s).

Keel en

prEVS-EN 1991-4:2006+NA

Tähtaeg 29.06.2009

Ehituskonstruksioonide koormused. Osa 4: Puiste- ja vedelikmahutite koormused SISALDAB RAHVUSLIKKU LISA

EN 1991 provides general principles and actions for the structural design of buildings and civil engineering works including some geotechnical aspects and shall be used in conjunction with EN 1990 and EN 1992-1999.

Keel et

Asendab EVS-EN 1991-4:2006

prEVS-EN 1991-4:2006/NA

Tähtaeg 29.06.2009

Ehituskonstruksioonide koormused. Osa 4: Puiste- ja vedelikmahutite koormused RAHVUSLIK LISA

EN 1991 provides general principles and actions for the structural design of buildings and civil engineering works including some geotechnical aspects and shall be used in conjunction with EN 1990 and EN 1992-1999.

Keel et

93 RAJATISED**EN 12966-1:2005/prA1**

Identne EN 12966-1:2005/prA1:2009

Tähtaeg 29.06.2009

Vertikaalsed liiklusmärgid maanteedel. Osa 1: Erinevad teavitavad märgid

This document specifies requirements and test methods for new Variable Message Signs (VMS).

Keel en

FprEN 12697-5

Identne FprEN 12697-5:2009

Tähtaeg 29.06.2009

Bituminous mixtures - Test methods for hot mix asphalt - Part 5: Determination of the maximum density

This European Standard specifies test methods for determining the maximum density of a bituminous mixture (voidless mass). It specifies a volumetric procedure, a hydrostatic procedure and a mathematical procedure. The test methods described are intended for use with loose bituminous materials containing paving grade bitumens, modified binders or other bituminous binders used for hot mix asphalt. The tests are suitable for both fresh or aged bituminous materials.

Keel en

Asendab EVS-EN 12697-5:2002+A1:2007

prEN 12697-46

Identne prEN 12697-46:2009

Tähtaeg 29.06.2009

Bituminous mixtures - Test methods for hot mix asphalt - Part 46: Low Temperature Cracking and Properties by Uniaxial Tension Tests

This document (prEN 12697-46:2008) describes uniaxial tension tests for characterising the resistance of an asphalt mixture against low temperature cracking. The results of the uniaxial tension tests can be used to evaluate: - the tensile strength in dependence of the temperature by uniaxial tension stress test (UTST); - the minimum temperature that the asphalt can resist before failure by thermal stress restrained specimen test (TSRST); - the tensile strength reserve in dependence of the temperature (by a combination of TSRST and UTST); - the relaxation time by the relaxation test (RT); - the creep curve to back calculate rheological parameters in tension state by tensile creep tests (TCT); and - the fatigue resistance at low temperatures due to the combination of cryogenic and mechanical loads by uniaxial cyclic tension stress tests (UCTST).

Keel en

97 OLME. MEELELAHUTUS. SPORT**EN 71-1:2005/prA11**

Identne EN 71-1:2005/prA11:2009

Tähtaeg 29.06.2009

Mänguasjade ohutus. Osa 1: Mehaanilised ja füüsilised omadused

This European Standard specifies requirements and methods of tests for mechanical and physical properties of toys.

Keel en

prEN 957-6

Identne prEN 957-6:2009

Tähtaeg 29.06.2009

Statsionaarne treenimisvarustus. Osa 6: Jooksurajad, täiendavad spetsiaalsed ohutusnõuded ja katsemeetodid

EN 957-6 specifies safety requirements for treadmills in addition to the general safety requirements of EN 957-1 and shall be read in conjunction with it. EN 957-6 is applicable to power driven and non-power/manually driven training equipment type treadmills (type 6) (hereafter referred to as treadmills) with the classes S, H and I and classes A, B and C regarding accuracy.

Keel en

Asendab EVS-EN 957-6:2001

prEN 15939

Identne prEN 15939:2009

Tähtaeg 29.06.2009

Hardware for furniture - Determination of strength and load capacity of wall attachment devices

This European Standard specifies test methods and requirements for the strength of all types of wall attachment devices for storage furniture and their components for all fields of application. It does not apply to devices intended to prevent the overturning of storage furniture. The tests consist of the application of loads and forces simulating normal functional use, as well as misuse that might reasonably be expected to occur. With the exception of the corrosion test in 6.3, the tests are designed to evaluate properties without regard to materials, design/construction or manufacturing processes. The strength tests include only the attachment devices and their components as well as the attachment to the cabinet. The attachment to the wall is not included.

Keel en

prEN ISO 16484-1

Identne prEN ISO 16484-1:2009

ja identne ISO/DIS 16484-1:2009

Tähtaeg 29.06.2009

Building automation and control systems (BACS) - Part 1: Project specification and implementation

This standard specifies general principles for project design and implementation and for the integration of other systems into the BACS. It describes the phases required for the project such as: - Design: Definition of project requirements; - engineering: Detailed function and hardware specification design; - installation: Installing and commissioning of the BACS; - completion: Handover, acceptance and finalization. It also describes the requirements for as-built documentation and training. Operation and maintenance are outside the scope of this standard.

Keel en