

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

#### EN 13022-1:2006/FprA1

Identne EN 13022-1:2006/FprA1:2009

Tähtaeg 29.01.2010

#### **Glass in building - Structural sealant glazing - Part 1: Glass products for structural sealant glazing systems for supported and unsupported monolithic and multiple glazing**

This European Standard specifies requirements for the suitability for use of supported and unsupported glass products for use in "Structural Sealant Glazing" (SSG) applications. Four schematic drawings of SSG systems are shown in Figure 1 and three section drawings of an SSG type II system are shown in Figure 2 for illustration purposes.

Keel en

#### FprEN ISO 26909

Identne FprEN ISO 26909:2009

ja identne ISO 26909:2009

Tähtaeg 29.01.2010

#### **Springs - Vocabulary**

This International Standard specifies terms and definitions commonly used in the metal springs industry. Specifically, these terms appear in technical product documentation. Heat-treatment and surface-treatment terms pertinent to springs are included. Terms are grouped into the following seven categories: a) general features of springs; b) application of springs in machinery and engineering; c) layout and nomenclature of springs; d) specification requirements; e) design and calculation; f) manufacturing and processing; g) testing and inspection. The hierarchical structure of terminology in each category is given in Annex B.

Keel en

Asendab EVS-EN ISO 2162-3:1999

#### prEVS-ISO 10957:2009

ja identne ISO 10957:2009

Tähtaeg 29.01.2010

#### **Informatsioon ja dokumentatsioon. Rahvusvaheline noodiväljaande standardnumber (ISMN)**

Standardis iseloomustatakse rahvusvahelist noodiväljaande standardnumbrit (ISMN), mis võimaldab ainuomaset identifitseerida noodiväljaandeid. Standard käsitleb nimetatud väljaannetele ainuomase ISMNi andmist, eristamaks mingi nimetuse üht editsiooni või mingi editsiooni üht eraldivõetavat osa kõigist teistest editsioonidest. Käesolev standard täpsustab ka ISMNi struktuuri ja ISMNI kujutise asukoha noodiväljaannetel. Standard kohaldub noodiväljaannete editsioonidele. ISMNi võib kasutada ka nende noodieditsioonide identifitseerimiseks, mis on avaldatud koos teiste teavikulaadidega ning moodustavad nendega ühe terviku (nt root, mis koos helisalvestisega moodustab ühtse toote). ISMNi ei kasutata teistel andmekandjatel iseseisva väljaandena avaldatud materjali identifitseerimiseks, nt. helisalvestised või audiovisuaaltooted laserplaatidel või digivideoketastel, millele kohalduvad teised standardid nagu ISO 3901 (International Standard Recording Code) ja ISO 15706 (International Standard Audiovisual Number). ISMNi ei sobi toodete enda identifitseerimiseks (laserplaatide või digivideoketaste toorikud), milleks saab kasutada 13-numbri EAN (European article numbering) vötkoodi.

Keel en

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

#### FprEN 61124

Identne FprEN 61124:2009

ja identne IEC 61124:200X

Tähtaeg 29.01.2010

#### **Reliability testing - Compliance tests for constant failure rate and constant failure intensity**

This International Standard gives a number of optimized test plans, the corresponding operating characteristic curves and expected test times. In addition the algorithms for designing test plans using a spreadsheet program are also given, together with guidance on how to choose test plans.

Keel en

Asendab EVS-EN 61124:2006

#### prEN 15221-3

Identne prEN 15221-3:2009

Tähtaeg 29.01.2010

#### **Facility Management - Part 3: Guidance how to achieve/ensure quality in Facility Management**

This European standard provides a guideline how to measure, achieve and improve quality in FM. It gives complementary guidelines to ISO 9000, ISO 9001 and EN 15221-2 within the framework of EN 15221-1. The standard provides a link into management methods and management theories.

Keel en

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

### prEN 15221-4

Identne prEN 15221-4:2009

Tähtaeg 29.01.2010

#### **Taxonomy of Facility Management - Classification and Structures**

FM covers and integrates a very broad scope of processes, products / services, activities and facilities. The distinction between primary activities and support services is determined in EN 15221-1. The description and evaluation of processes to produce the facility products is the content of EN 15221-5. The quality of FM provisions is the content of EN 15221-3. The approach to FM in this standard is to consider the added value provided to the primary activities from a product perspective as recognized by the primary processes or core business in the organisation. The scope of this standard is also to provide standardised terms/definitions and to create a framework for benchmarking of FM activities across Europe. This standard therefore focuses on the concept of (classified) facility products by defining: a) relevant interrelationship of elements and their hierarchical structures; b) associated terms; c) principles for cost allocation; d) a framework for benchmarking.

Keel en

### prEN 15221-5

Identne prEN 15221-5:2009

Tähtaeg 29.01.2010

#### **Facility Management - Part 5: Guidance on the development and improvement of processes**

This European standard provides guidance to FM organisations on the development and improvement of their processes to support the primary processes. The standard also sets out basic principles, describes high-level generic FM processes, lists strategic, tactical and operational processes and provides examples of process workflows. The standard is written from a primary processes, demand perspective for an audience of all stakeholders in FM processes.

Keel en

### prEN 15221-6

Identne prEN 15221-6:2009

Tähtaeg 29.01.2010

#### **Facility Management - Part 6: Area and Space Measurement**

This Standard is applicable to Facility Management and covers area and space measurement for existing owned or leased buildings as well as buildings in state of planning or development. This standard presents a framework for measuring floor areas within buildings and plot areas. In addition, it contains clear terms and definitions as well as methods for measuring areas and spaces in buildings and/or parts of buildings, independent of their function. This standard establishes a common basis for planning and design, area and space management, financial assessment, as well as a tool for benchmarking.

Keel en

## 11 TERVISEHOOLDUS

### FprEN 60601-2-45

Identne FprEN 60601-2-45:2009

ja identne IEC 60601-2-45:200X

Tähtaeg 29.01.2010

#### **Medical electrical equipment - Part 2-45: Particular requirements for basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices**

This international standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MAMMOGRAPHIC X-RAY EQUIPMENT and MAMMOGRAPHIC STEREOTACTIC DEVICES, hereafter also referred to as ME EQUIPMENT.

Keel en

Asendab EVS-EN 60601-2-45:2002

### FprEN 60731

Identne FprEN 60731:2009

ja identne IEC 60731:200X

Tähtaeg 29.01.2010

#### **Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy**

This International Standard specifies the performance requirements of RADIO THERAPY DOSIMETERS, intended for the measurement of ABSORBED DOSE TO WATER or AIR KERMA (and their rates and spatial distributions) in PHOTON, ELECTRON, PROTON or heavy ion radiation fields as used in RADIO THERAPY. The DOSE MONITORING SYSTEMS incorporated in RADIO THERAPY treatment machines are not covered by this standard, neither are the re-entrant ion chambers used for BRACHYTHERAPY source calibration and constancy check devices.

Keel en

Asendab EVS-EN 60731:2002; EVS-EN 60731:2002/A1:2003

**FprEN 62464-2**

Identne FprEN 62464-2:200  
 ja identne IEC 62464-2:200X  
 Tähtaeg 29.01.2010

**Medical electrical equipment - Magnetic resonance equipment for medical imaging - Part 2: Classification criteria for pulse sequences**

This International Standard specifies the description of PULSE SEQUENCES of MAGNETIC RESONANCE imaging. NOTE The classification in this standard is suitable for: - Tender texts - Image annotation - Protocol definition - Technical publications This International Standard does not apply to MAGNETIC RESONANCE spectroscopy. The classification does not focus on image contrast (T1, T2, proton density), as this is defined by PULSE SEQUENCE parameters (e.g. repetition time, echo time) and is not a property of the PULSE SEQUENCE alone. The PULSE SEQUENCE classification does not specify the K-SPACE acquisition scheme, reconstruction algorithm or post processing.

Keel en

**prEN ISO 12312-1**

Identne prEN ISO 12312-1:2009  
 ja identne ISO/DIS 12312-1:2009  
 Tähtaeg 29.01.2010

**Eye and face protection - Sunglasses and related eyewear - Part 1: Sunglasses for general use**

This standard applies to all afocal (plano power) sunglasses and clip-ons for general use intended for protection against solar radiation. Information on the use of sunglare filters is given in annex A. Requirements for unmounted oculars used as replacement or alternative filters are given in annex B. This standard does not apply to: a) eyewear for protection against radiation from artificial light sources, such as those used in solaria; b) eye protectors specifically intended for sports, for which separate standards are available (e.g. ski goggles or other types); c) sunglasses that have been medically prescribed for attenuating solar radiation; d) products intended for direct observation of the sun, such as for solar-eclipse viewing.

Keel en

**prEN ISO 14155**

Identne prEN ISO 14155:2009  
 ja identne ISO/DIS 14155:2009  
 Tähtaeg 29.01.2010

**Meditsiiniseadmete inimõju kliiniline uuring. Hea kliiniline tava**

ISO 14155 addresses good clinical practices for the design, conduct, recording and reporting of clinical investigations carried out in human subjects to assess the safety and performance of medical devices for regulatory purposes. It specifies general requirements intended to - protect the rights, safety and well-being of human subjects, - ensure the scientific conduct of the clinical investigation and the credibility of the clinical investigation results, - assist sponsors, monitors, investigators, ethics committees, regulatory authorities and other bodies involved in the conformity assessment of medical devices. ISO 14155 is not intended to address in vitro diagnostic medical devices.

Keel en

Asendab EVS-EN ISO 14155-1:2003; EVS-EN ISO 14155-2:2003

**prEN ISO 23908-1**

Identne prEN ISO 23908-1:2009  
 ja identne ISO/DIS 23908-1:2009  
 Tähtaeg 29.01.2010

**Sharps injury protection - Requirements and test methods - Part 1: Sharps protection features for single-used hypodermic needles, catheters, introducers for catheters and needles used for blood sampling**

This part of ISO 23908 provides requirements and test methods to evaluate the performance parameters for sharps injury protection features for medical devices, either active or passive in design, for the medical device containing the (sharp) hypodermic needle for single use, catheters and introducers for catheters and needles used for blood sampling. Sharps injury protection devices covered by this standard may be provided integral to the device or combined with the device prior to use to achieve the sharps injury protection. Requirements for the storage and handling of the sharps protection before its intended use, and requirements for the medical device itself are not covered by this standard.

Keel en

**prEN ISO 80601-2-55**

Identne prEN ISO 80601-2-55:2009  
 ja identne ISO/DIS 80601-2-55:2009  
 Tähtaeg 29.01.2010

**Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors**

This International Standard specifies particular requirements for the BASIC SAFETY and ESSENTIAL PERFORMANCE of RESPIRATORY GAS MONITORS, RGM, hereafter referred to as ME EQUIPMENT, intended for CONTINUOUS OPERATION for use with a PATIENT. This International Standard specifies requirements for: a) anaesthetic gas monitoring, b) carbon dioxide monitoring, and c) oxygen monitoring.

Keel en

**13 KESKKONNA- JA TERVISEKAITSE. OHUTUS****EN 12753:2005/FprA1**

Identne EN 12753:2005/FprA1:2009

Tähtaeg 29.01.2010

**Pinnatöötlemisseadmete heitgaaside termilise puhastamise süsteemid. Ohutusnõuded**

This European Standard is applicable to thermal cleaning systems for exhaust gas from surface treatment equipment/systems as given below in which the concentration of exhaust gas to be cleaned (for the purpose of this European Standard, named "process gas") at the inlet to the thermal cleaning system is safely limited within the concentration ranges given in 5.2.2.2.

Keel en

**prEN 50134-3**

Identne EN 50134-3:2001

Tähtaeg 29.01.2010

**Alarm systems - Social alarm systems - Part 3: Local unit and controller**

This European Standard specifies the minimum requirements and tests for local units and controllers forming part of a social alarm system. This European Standard applies to local units and controllers that receive an alarm triggering signal from manually or automatically activated trigger devices and convert this into an alarm signal for transmission to the alarm receiving centre or an alarm recipient. The local unit and controller may be either separate units or integrated into one unit.

Keel en

Asendab EVS-EN 50134-3:2002

**FprEN 16000**

Identne FprEN 16000:2009

Tähtaeg 29.01.2010

**Plastics piping systems - Systems within the building structure - Mounting and fixing of components in the test apparatus to thermal attack by a single burning item**

This document specifies the mounting and fixing of components in the test apparatus to thermal attack by a single burning item (SBI) according to EN 13823. This document is applicable to non-pressure plastics pipes, fittings and their joints intended for soil and waste applications: - inside the building (application area code "B"); - buried in ground within the building structure (application area code "BD") and with a diameter greater than or equal to 75 mm. It is also applicable to pressure plastics pipes, fittings and their joints within the building structure - intended for water for general purposes, drainage, sewerage, as well as for any other pressure application with other fluids covered by the Construction Products Directive; - hot and cold water installations for the conveyance of water and for heating systems.

Keel en

**FprEN ISO 14004**

Identne FprEN ISO 14004:2009

ja identne ISO 14004:2004

Tähtaeg 29.01.2010

**Environmental management systems - General guidelines on principles, systems and support techniques**

This International Standard provides guidance on the establishment, implementation, maintenance and improvement of an environmental management system and its coordination with other management systems. NOTE While the system is not intended to manage occupational health and safety issues, they may be included when an organization seeks to implement an integrated environmental and occupational health and safety management system. The guidelines in this International Standard are applicable to any organization, regardless of its size, type, location or level of maturity. While the guidelines in this International Standard are consistent with the ISO 14001 environmental management system model, they are not intended to provide interpretations of the requirements of ISO 14001.

Keel en

**FprEN ISO 14015**

Identne FprEN ISO 14015:2009

ja identne ISO 14015:2001

Tähtaeg 29.01.2010

**Environmental management - Environmental assessment of sites and organizations (EASO)**

This International Standard provides guidance on how to conduct an EASO through a systematic process of identifying environmental aspects and environmental issues and determining, if appropriate, their business consequences. This International Standard covers the roles and responsibilities of the parties to the assessment (the client, the assessor and the representative of the assessee), and the stages of the assessment process (planning, information gathering and validation, evaluation and reporting). The process for conducting an EASO is shown in Figure 1.

Keel en

**FprEN ISO 14025**

Identne FprEN ISO 14025:2009

ja identne ISO 14025:2006

Tähtaeg 29.01.2010

**Environmental labels and declarations - Type III environmental declarations - Principles and procedures**

This International Standard establishes the principles and specifies the procedures for developing Type III environmental declaration programmes and Type III environmental declarations. It specifically establishes the use of the ISO 14040 series of standards in the development of Type III environmental declaration programmes and Type III environmental declarations. This International Standard establishes principles for the use of environmental information, in addition to those given in ISO 14020.

Keel en

**FprEN ISO 16852**

Identne FprEN ISO 16852:2009

ja identne ISO 16852:2008+Cor 1:2008+Cor 2:2009

Tähtaeg 29.01.2010

**Leegikustutid. Jõudlusnõuded, katsemeetodid ja kasutamise piirnormid**

This International Standard specifies the requirements for flame arresters that prevent flame transmission when explosive gas-air or vapour-air mixtures are present. It establishes uniform principles for the classification, basic construction and information for use, including the marking of flame arresters, and specifies test methods to verify the safety requirements and determine safe limits of use.

Keel en

Asendab EVS-EN 12874:2001

**prEN 13381-4**

Identne prEN 13381-4:2009

Tähtaeg 29.01.2010

**Katsemeetodid ehitise kandekonstruktsioonide tulepüsivuse määramiseks - Osa 4: Passiivse tulekaitse vahendid teraskonstruktsioonidele**

This part of this European standard specifies a test method for determining the contribution made by applied passive fire protection systems to the fire resistance of structural steel members, which can be used as beams or columns. It considers only sections without openings in the web. It is not directly applicable to structural tension members without further evaluation. Results from analysis of I or H -sections are directly applicable to angles, channels and T-sections for the same section factor, whether used as individual elements or as bracing. This standard does not apply to solid bar or rod.

Keel en

**prEN 16010**

Identne prEN 16010:2009

Tähtaeg 29.01.2010

**Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recyclates**

This European Standard specifies a system for sampling procedures for testing plastics waste and recyclates which take into account the specifics of the plastics waste and recyclates. It is intended to cover all stages of the plastic recycling process. This standard is intended to serve two purposes: • To provide a guide to plastic recyclers and others that enables a calculation to be made of the risk of inaccuracy presented by a chosen sampling regime. This will help to inform decisions about sampling that may also be influenced by factors such as the supply record of a supplier or the reliability of a process. This is covered in Section 5. • To define the sampling procedures to be followed to characterise the material being sampled. These procedures may be followed where a particular level of accuracy is required, or where the sampling is in support of the resolution of a dispute. This is covered in Section 7 and Annex A. The sampling procedures include the statistical specifics of the plastic waste and the behaviour of recyclates.

Keel en

**prEN 16011**

Identne prEN 16011:2009

Tähtaeg 29.01.2010

**Plastics - Recycled plastics - Sample preparation**

This European Standard specifies the preparation of samples of recycled plastics and takes account of the specifics of the material. The purpose of this standard is to define the procedures to be followed to prepare samples taken in accordance with prEN 16010 in readiness for testing various material characteristics as set out in other relevant standards for recycled plastics (fvEN 15342 to fvEN 15348). This preparation practice shall be followed prior to testing.

Keel en

**prEN ISO 9241-420**

Identne prEN ISO 9241-420:2009

ja identne ISO/DIS 9241-420:2009

Tähtaeg 29.01.2010

**Ergonomics of human-system interaction - Part 420: Selection procedures for physical input devices**

This part of ISO 9241 applies to input devices for interactive systems. It provides guidance for selecting input devices based on ergonomic factors for the following input devices: keyboards, mice, joysticks, trackballs, trackpads, tablets and overlays, touch sensitive screens, styli, and light pens. This part of ISO 9241 gives guidance for selecting these devices so that the limitations and capabilities of users and the specific tasks and the specific context of use are considered. The target users of this part of the standard are user organizations and systems integrators who tailor systems for a given context of use. This part of ISO 9241 specifies methods for selecting a device or a combination of devices for the task at hand. It may also be used for evaluating the acceptability of trade-offs under the existing conditions. This part of ISO 9241 does not specify design requirements or recommendations for devices.

Keel en

**prEN ISO 14005**

Identne prEN ISO 14005:2009

ja identne ISO/DIS 14005:2009

Tähtaeg 29.01.2010

**Environmental management systems - Guidelines for the phased implementation of an environmental management system, including the use of environmental performance evaluation**

This International Standard provides guidance for all organizations, but particularly small and medium-sized enterprises, on the phased development, implementation, maintenance and improvement of an environmental management system. It also includes advice on: - the integration and use of environmental performance evaluation techniques. This International Standard is applicable to any organization regardless of its level of development, the nature of the activities undertaken or the location at which they occur. This standard cannot be used for interpretation of ISO 14001[8].

Keel en

**17 METROLOOGIA JA MÕÕTMINE. FÜSIKALISED NÄHTUSED****FprEN 60731**

Identne FprEN 60731:2009

ja identne IEC 60731:200X

Tähtaeg 29.01.2010

**Medical electrical equipment - Dosimeters with ionization chambers as used in radiotherapy**

This International Standard specifies the performance requirements of RADIO THERAPY DOSIMETERS, intended for the measurement of ABSORBED DOSE TO WATER or AIR KERMA (and their rates and spatial distributions) in PHOTON, ELECTRON, PROTON or heavy ion radiation fields as used in RADIO THERAPY. The DOSE MONITORING SYSTEMS incorporated in RADIO THERAPY treatment machines are not covered by this standard, neither are the re-entrant ion chambers used for BRACHYTHERAPY source calibration and constancy check devices.

Keel en

Asendab EVS-EN 60731:2002; EVS-EN 60731:2002/A1:2003

**FprEN 62604-2**

Identne FprEN 62604-2:2009

ja identne IEC 62604-2:200X

Tähtaeg 29.01.2010

**Surface Acoustic Wave (SAW) and Bulk Acoustic Wave (BAW) duplexers - Part 2: Guide to the use**

Duplexers, which can separate receiving signal from transmitting signal and are key components for two-way radio communications, are generally used in mobile phones using CDMA systems such as N-CDMA, W-CDMA / Universal Mobile Telecommunication System (UMTS). So far, dielectric duplexers have been mainly used. However, recently SAW duplexers, which are utilized surface acoustic wave (SAW), are becoming popular and replacing the dielectric duplexers year by year in recent mobile phones, because of their advantage of small size, light weight and good electrical performances. In addition to SAW duplexers, BAW duplexers, which are utilized bulk acoustic wave (BAW), are also becoming in the spotlight and popular because of their higher Q property and better performances especially in PCS band.

**prEN ISO 13102**

Identne prEN ISO 13102:2009

ja identne ISO/DIS 13102:2009

Tähtaeg 29.01.2010

**Geometrical product specifications (GPS) - Dimensional measuring equipment: Electronic digital indicator - Design and metrological characteristics**

This International Standard specifies the most important design and metrological characteristics of electronic digital indicators.

Keel en

## 19 KATSETAMINE

### FprEN 60068-3-1

Identne FprEN 60068-3-1:2009

ja identne IEC 60068-3-1:200X

Tähtaeg 29.01.2010

#### **Environmental testing - Part 3-1: Supporting documentation and guidance - Cold and dry heat tests**

This international standard provides guidance regarding the performance of cold and dry heat tests.

Keel en

Asendab EVS-EN 60068-3-1:2002

### FprEN 60068-2-83

Identne FprEN 60068-2-83:2009

ja identne IEC 60068-2-83:200X

Tähtaeg 29.01.2010

#### **Environmental testing - Part 2-83: Tests - Test Tf: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method using solder paste**

This standard provides methods for comparative investigation of the wettability of the metallic terminations or metallized terminations of SMDs with solder pastes. Data obtained by these methods are not intended to be used as absolute quantitative data for pass – fail purposes.

Keel en

### FprEN 61124

Identne FprEN 61124:2009

ja identne IEC 61124:200X

Tähtaeg 29.01.2010

#### **Reliability testing - Compliance tests for constant failure rate and constant failure intensity**

This International Standard gives a number of optimized test plans, the corresponding operating characteristic curves and expected test times. In addition the algorithms for designing test plans using a spreadsheet program are also given, together with guidance on how to choose test plans.

Keel en

Asendab EVS-EN 61124:2006

### prEN 13146-6

Identne prEN 13146-6:2009

Tähtaeg 29.01.2010

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

This European Standard specifies a laboratory test procedure for finding the effect of exposure to severe environmental conditions on the fastening system. This test procedure applies to a complete fastening assembly. It is not applicable to adhesive fastening systems for embedded rail.

Keel en

Asendab EVS-EN 13146-6:2002

## 21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

### FprEN 61124

Identne FprEN 61124:2009

ja identne IEC 61124:200X

Tähtaeg 29.01.2010

#### **Reliability testing - Compliance tests for constant failure rate and constant failure intensity**

This International Standard gives a number of optimized test plans, the corresponding operating characteristic curves and expected test times. In addition the algorithms for designing test plans using a spreadsheet program are also given, together with guidance on how to choose test plans.

Keel en

Asendab EVS-EN 61124:2006

### FprEN ISO 26909

Identne FprEN ISO 26909:2009

ja identne ISO 26909:2009

Tähtaeg 29.01.2010

#### **Springs - Vocabulary**

This International Standard specifies terms and definitions commonly used in the metal springs industry. Specifically, these terms appear in technical product documentation. Heat-treatment and surface-treatment terms pertinent to springs are included. Terms are grouped into the following seven categories: a) general features of springs; b) application of springs in machinery and engineering; c) layout and nomenclature of springs; d) specification requirements; e) design and calculation; f) manufacturing and processing; g) testing and inspection. The hierarchical structure of terminology in each category is given in Annex B.

Keel en

Asendab EVS-EN ISO 2162-3:1999

**23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD****EN 13480-2:2002/FprA1**

Identne EN 13480-2:2002/FprA1:2009

Tähtaeg 29.01.2010

**Metallist tööstustorustik. Osa 2: Materjalid**

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

Keel en

**EN 13480-2:2002/FprA2**

Identne EN 13480-2:2002/FprA2:2009

Tähtaeg 29.01.2010

**Metallist tööstustorustik. Osa 2: Materjalid**

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

Keel en

**FprEN 1984**

Identne FprEN 1984:2009

Tähtaeg 29.01.2010

**Tööstuslikud ventiilid. Terasest loogikalülitusega ventiilid**

This European Standard specifies the requirements for steel gate valves which are wrought, cast or fabricated with end connections flanged, butt welding, socket welding or threaded. This European Standard is applicable to steel gate valves mainly used for industrial and general purpose applications. However they can be used for other applications provided the requirements of the relevant performance standards are met.

Keel en

Asendab EVS-EN 1984:2000

**FprEN 13709**

Identne FprEN 13709:2009

Tähtaeg 29.01.2010

**Tööstuslikud ventiilid. Terases kuulid ja kuulkraanid ja kontrollventiilid**

This European Standard specifies the requirements for steel globe and globe stop and check valves which are wrought, cast or fabricated in straight, angle or oblique pattern with end connections flanged, butt welding, socket welding or threaded. This standard is applicable to steel globe and globe stop and check valves mainly used for industrial and general purpose applications. However, they can be used for other applications provided the requirements of the relevant performance standards are met.

Keel en

Asendab EVS-EN 13709:2003

**FprEN 13789**

Identne FprEN 13789:2009

Tähtaeg 29.01.2010

**Tööstuslikud ventiilid. Malmventiilid**

This European Standard specifies the requirements for cast iron globe valves in straight, angle or oblique pattern (see EN 736-2) with flanged or threaded end connections. This European Standard is applicable to cast iron globe valves mainly used for industrial and general purpose applications. However, they can be used for other applications provided the requirements of the relevant performance standards are met.

Keel en

**FprEN 16000**

Identne FprEN 16000:2009

Tähtaeg 29.01.2010

**Plastics piping systems - Systems within the building structure - Mounting and fixing of components in the test apparatus to thermal attack by a single burning item**

This document specifies the mounting and fixing of components in the test apparatus to thermal attack by a single burning item (SBI) according to EN 13823. This document is applicable to non-pressure plastics pipes, fittings and their joints intended for soil and waste applications: - inside the building (application area code "B"); - buried in ground within the building structure (application area code "BD") and with a diameter greater than or equal to 75 mm. It is also applicable to pressure plastics pipes, fittings and their joints within the building structure - intended for water for general purposes, drainage, sewerage, as well as for any other pressure application with other fluids covered by the Construction Products Directive; - hot and cold water installations for the conveyance of water and for heating systems.

Keel en

### **prEN 10216-1**

Identne prEN 10216-1:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 1: Kindlaksmääratud toatemperatuuriliste omadustega süsinikterasest torud**

This Part of EN 10216 specifies the technical delivery conditions for two qualities TR1 and TR2 of seamless tubes of circular cross section with specified room temperature properties made of non-alloy quality steel.

Keel en

Asendab EVS-EN 10216-1:2002; EVS-EN 10216-1:2002/A1:2004

### **prEN 10216-2**

Identne EN 10216-2:2002+A2:2007

Tähtaeg 29.01.2010

#### **Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 2: Süsinik- ja legerterasest kõrgendatud temperatuuriomadustega torud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10216-2:2002+A2:2007

### **prEN 10216-3**

Identne prEN 10216-3:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 3: Sulampeenterasestorud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, made of weldable alloyed fine grained steel.

Keel en

Asendab EVS-EN 10216-3:2002; EVS-EN 10216-3:2002/A1:2004

### **prEN 10216-4**

Identne EN 10216-4:2002

Tähtaeg 29.01.2010

#### **Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 4: Kindlaksmääratud madalatemperatuuriliste omadustega süsinik- ja sulamterasest torud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, with specified low temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10216-4:2002; EVS-EN 10216-4:2002/A1:2004

### **prEN 10217-4**

Identne prEN 10217-4:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 4: Kindlaksmääratud madalatemperatuuriliste omadustega elekterkeevitusega süsinikterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

Keel en

Asendab EVS-EN 10217-4:2002; EVS-EN 10217-4:2002/A1:2005

### **prEN 10217-1**

Identne prEN 10217-1:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 1: Kindlaksmääratud toatemperatuuriliste omadustega süsinikterasest torud**

This Part of EN 10217 specifies the technical delivery conditions for two qualities TR1 and TR2 of welded tubes of circular cross section, made of non-alloy quality steel and with specified room temperature properties.

Keel en

Asendab EVS-EN 10217-1:2002; EVS-EN 10217-1:2002/A1:2005

### **prEN 10217-2**

Identne prEN 10217-2:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 2: Kindlaksmääratud kõrgtemperatuuriliste omadustega elekterkeevitusega süsinik- ja sulamterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10217-2:2002; EVS-EN 10217-2:2002/A1:2005

### **prEN 10217-3**

Identne prEN 10217-3:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 3: Sulampeenterastorud**

This Part of EN 10217 specifies the technical delivery condition in two test categories for welded tubes of circular cross section, made of weldable alloy fine grain steel.

Keel en

Asendab EVS-EN 10217-3:2002; EVS-EN 10217-3:2002/A1:2005

### **prEN 10217-5**

Identne prEN 10217-5:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 5: Kindlaksmääratud kõrgtemperatuuriliste omadustega metallkaarkeevitusega süsinik- ja sulamterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10217-5:2002; EVS-EN 10217-5:2002/A1:2005

### **prEN 10217-6**

Identne prEN 10217-6:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 5: Kindlaksmääratud madalatemperatuuriliste omadustega metallkaarkeevitusega süsinik- ja sulamterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

Keel en

Asendab EVS-EN 10217-6:2002; EVS-EN 10217-6:2002/A1:2005

### **prEN 10217-7**

Identne prEN 10217-7:2009

Tähtaeg 29.01.2010

#### **Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 7: Roostevabast terasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories for welded tubes of circular cross-section made of austenitic and austenitic-ferritic stainless steel which are applied for pressure and corrosion resisting purposes at room temperature, at low temperatures or at elevated temperatures.

Keel en

Asendab EVS-EN 10217-7:2005

### **FprEN 12288**

Identne FprEN 12288:2009

Tähtaeg 29.01.2010

#### **Tööstusventiilid. Vasesulamist siibrid**

This European Standard applies to copper alloy gate valves for general use having flanged, threaded, capillary, compression or loose nut/union body ends. This European Standard specifies the design and performance requirements including materials, pressure/temperature ratings, dimensions, test procedures and marking. For some specific fields of application, for example, drinking water or gas, valves to this European Standard can be used provided the requirements of the relevant performance standards are met. Approval by the relevant regulatory body may be required. The range of nominal sizes is DN 8 to DN 500 and of nominal diameters is 8 mm to 110 mm. The range of pressure designations covered is PN 6; PN 10; PN 16; PN 20; PN 25; PN 32; PN 40; PN 63; Class 150 and Class 300. For the applicability of each nominal size/diameter and each pressure designation to the different types of valve end, see 4.1.

Keel en

Asendab EVS-EN 12288:2003

## **25 TOOTMISTEHNOLLOOGIA**

### **EN 12753:2005/FprA1**

Identne EN 12753:2005/FprA1:2009

Tähtaeg 29.01.2010

#### **Pinnatöötlemisseadmete heitgaaside termilise puhastamise süsteemid. Ohutusnõuded**

This European Standard is applicable to thermal cleaning systems for exhaust gas from surface treatment equipment/systems as given below in which the concentration of exhaust gas to be cleaned (for the purpose of this European Standard, named "process gas") at the inlet to the thermal cleaning system is safely limited within the concentration ranges given in 5.2.2.2.

Keel en

**FprEN 60519-1**

Identne FprEN 60519-1:2009

ja identne IEC 60519-1:200X

Tähtaeg 29.01.2010

**Ohutus elekterkuumutuspaigaldistes. Osa 1: Üldnõuded**

This part of IEC 60519 specifies the general safety requirements applicable to industrial electroheating installations. In case these requirements differ from those of other IEC publications, an equivalent degree of safety is ensured. The requirements apply to industrial installations, intended for electroheating and electroheat based treatment technologies, with the possible use of the following equipment: • equipment for direct and indirect resistance heating; • equipment for electric resistance trace heating; • equipment for induction heating (e.g. hardening or melting); • equipment using the effect of EM forces on liquid metals; • equipment for arc heating, including submerged arc heating; • equipment for electroslog remelting; • equipment for plasma heating; • equipment for microwave heating; • equipment for dielectric heating; • equipment for electron beam heating; • equipment for laser heating; • equipment for infrared radiation heating.

Keel en

Asendab EVS-EN 60519-1:2004

**FprEN 60519-6**

Identne FprEN 60519-6:2009

ja identne IEC 60519-6:200X

Tähtaeg 29.01.2010

**Ohutus elekterkuumutuspaigaldistes. Osa 6: Ohutusnõuded tööstuslikes mikrolainekuumutuspaigaldistes**

This part of IEC 60519 is applicable to equipment using microwave energy alone or in combination with other kinds of energy for industrial heating of materials. This part is applicable to industrial microwave heating equipment operating in the frequency range 300 MHz to 300 GHz.

Keel en

Asendab EVS-EN 60519-6:2003

**prEN ISO 11148-11**

Identne EN 792-11:2000+A1:2008

Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 11: Nokkijad ja käärid**

This part of ISO 11148 applies to hand-held, non-electric power tools (hereafter referred to as "nibblers and shears") with a reciprocating movement for nibbling and shearing. The nibblers and shears may be powered by compressed air or hydraulic fluid and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e. g. a balancer.

Keel en

Asendab EVS-EN 792-11:2000+A1:2008

**prEN ISO 8251**

Identne prEN ISO 8251:2009

ja identne ISO/DIS 8251:2009

Tähtaeg 29.01.2010

**Anodizing of aluminium and its alloys - Measurement of abrasion resistance of anodic oxidation coatings**

This International Standard specifies test methods using following 3 kinds of abrasion apparatus: a) abrasive wheel wear test apparatus: determining the wear resistance and the wear index of anodic oxidation coatings on flat specimens of aluminium and its alloys; b) abrasive jet test apparatus: comparing the resistance to abrasion of anodic oxidation coatings on aluminium and its alloys with that of a standard specimen or, alternatively, a reference specimen, by use of a jet of abrasive particles; c) falling sand abrasion apparatus: determining the abrasion resistance with falling sand applied to thin anodic oxidation coatings. The use of these methods for coatings produced by hard anodizing is described in ISO 10074[2].

Keel en

Asendab EVS-EN 12373-10:2001; EVS-EN 12373-9:2001

**prEN ISO 11148-1**

Identne prEN ISO 11148-1:2009

ja identne ISO/DIS 11148-1:2009

Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 1: Mitteekeermestatud mehaaniliste kinnitusdetailide monteerimise jõuseadised**

This part of ISO 11148 applies to hand-held non-electric power tools (hereafter referred to as "assembly power tools for non-threaded mechanical fasteners") intended for installation, tightening or removal of both break stem and non-break stem rivets, bolts, plugs and fasteners from one side of a work piece into metals, plastics and other materials. The assembly power tools for non-threaded mechanical fasteners may be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-1:2000+A1:2008

**prEN ISO 11148-2**

Identne prEN ISO 11148-2:2009  
ja identne ISO/DIS 11148-2:2009  
Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 2: Tükeldamise ja kurdumise jõuseadised**

This part of ISO 11148 applies to non-electric, hand-held power tools without rotation (hereafter referred to "cutting-off and crimping power tools") intended for cutting off wires, cables, etc., and for crimping for example connectors to cable ends. The cutting-off and crimping power tools may be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-2:2000+A1:2008

**prEN ISO 11148-5**

Identne prEN ISO 11148-5:2009  
ja identne ISO/DIS 11148-5:2009  
Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 5: Pöörlevad löökpuurid**

This part of ISO 11148 applies to hand-held, non-electric, power tools (hereafter referred to as "rotary percussive drills") intended for making holes in hard materials like rock and concrete. The rotary percussive drills may be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer. This document covers: - plug hole drills - rock drills - rotary hammers.

Keel en

Asendab EVS-EN 792-5:2000+A1:2008

**prEN ISO 11148-7**

Identne prEN ISO 11148-7:2009  
ja identne ISO/DIS 11148-7:2009  
Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 7: Peenestid**

This part of ISO 11148 applies to hand-held non-electric power tools (hereafter referred to as "grinders") intended for grinding and cutting-off with abrasive products, for use on all kinds of materials. The grinders may be powered by compressed air or hydraulic fluid and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-7:2002+A1:2008

**prEN ISO 11148-8**

Identne prEN ISO 11148-8:2009  
ja identne ISO/DIS 11148-8:2009  
Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 8: Lihvijad ja poleerijad**

This part of ISO 11148 applies to hand-held non-electric power tools (hereafter referred to as "sanders and polishers") intended for polishing and sanding with all types of movement e.g. rotary, orbital and reciprocating, using coated abrasive products and bonnets of various soft materials and endless belts. The sanders and polishers may be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-8:2001+A1:2008

**prEN ISO 11148-9**

Identne prEN ISO 11148-9:2009  
ja identne ISO/DIS 11148-9:2009  
Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 9: Stantspeenestid**

This part of ISO 11148 applies to hand-held non-electric power tools fitted with collets (hereafter referred to as "die grinders") intended for grinding and surface finishing and chamfering using mounted points, burrs and files and small wire brushes and other accessories mounted on shanks. The die grinders may be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-9:2001+A1:2008

**prEN ISO 11148-10**

Identne prEN ISO 11148-10:2009

ja identne ISO/DIS 11148-10:2009

Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 10: Surve jõuseadised**

This part of ISO 11148 applies to hand-held non-electric compression power tools (hereafter referred to as "compression power tools") for squeeze riveting, punching, shaping, pressing and cutting of metal, plastics or other materials. The compression power tools may be powered by compressed air or hydraulic fluid and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e. g. a balancer.

Keel en

Asendab EVS-EN 792-10:2000+A1:2008

**prEN ISO 11148-12**

Identne prEN ISO 11148-12:2009

ja identne ISO/DIS 11148-12:2009

Tähtaeg 29.01.2010

**Käeshoitavad mitteelektrilised jõuseadised. Ohutusnõuded. Osa 12: Väikesed ketassaed, väikesed vibrossaed ja kahemehesaed**

This part of ISO 11148 applies to hand-held non-electric power tools (hereafter referred to as ("circular, oscillating and reciprocating saws") intended for sawing. The circular, oscillating and reciprocating saws may be powered by compressed air, hydraulic fluid or internal combustion engines and intended to be used by one operator and supported by the operator's hand or hands, with or without a suspension, e.g. a balancer.

Keel en

Asendab EVS-EN 792-12:2000+A1:2008

**27 ELEKTRI- JA SOOJUSENERGEETIKA****FprEN 62282-6-100**

Identne FprEN 62282-6-100:2009

ja identne IEC 62282-6-100:200X

Tähtaeg 29.01.2010

**Fuel cell technologies - Part 6-100: Micro fuel cell power system - Safety**

This consumer safety standard covers micro fuel cell power systems, micro fuel cell power units and fuel cartridges that are wearable or easily carried by hand, providing d.c. outputs that do not exceed 60 V d.c. and power outputs that do not exceed 240 VA. Portable fuel cell power systems that provide output levels that exceed these electrical limits are covered by IEC 62282-5-1.

Keel en

**prEN 50550**

Identne prEN 50550:2009

Tähtaeg 29.01.2010

**Power frequency overvoltage protective device for household and similar applications (POP)**

This European Standard applies to power frequency overvoltage protection devices (hereafter referred to as "POP") for household and similar uses, with a rated frequency of 50 Hz, a rated voltage 230 V a.c. (between phase and neutral), intended to be used in combination with a main protective device being either a CB in compliance with EN 60898-1 or EN 60898-2, a RCCB in compliance with EN 61008-1 or a RCBO in compliance with EN 61009-1.

Keel en

**29 ELEKTROTEHNIKA****EN 60893-3-2:2004/FprA2**

Identne EN 60893-3-2:2004/FprA2:2009

ja identne IEC 60893-3-2:2003/A2:200X

Tähtaeg 29.01.2010

**Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 3-2: Specifications for individual materials - Requirements for rigid laminated sheets based on epoxy resins**

Gives the requirements for industrial rigid laminated sheets for electrical purposes based on epoxy resins and different reinforcements. Applications and distinguishing properties are given. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. In this revision of the IEC 60893 series of specifications, new material types have been included, changes have been made to the property requirements of some existing types, a new method for testing permittivity and dissipation factor has been added, and all non-specification data for each type has been moved to a new Part 4 document - IEC 60893-4 - Typical values.

Keel en

**EN 61347-2-12:2005/FprA1**

Identne EN 61347-2-12:2005/FprA1:2009  
ja identne IEC 61347-2-12:2005/A1:200X  
Tähtaeg 29.01.2010

**Lampide juhtimisseadised. Osa 2-12: Lahenduslampide (väljaarvatult luminofoorlampide) alalis- või vahelduvvoolutoitega elektron-liiteseadised**

This part of IEC 61347 specifies particular general and safety requirements for d.c. or a.c. supplied electronic ballasts. The supply comprises a.c. voltages up to 1000 V at 50 Hz/60 Hz. The type of ballast is an convertor that may contain igniting and stabilising elements for operation of a discharge lamp at d.c. or at a frequency that can deviate from the supply frequency.

Keel en

**FprEN 61386-24**

Identne FprEN 61386-24:2009  
ja identne IEC 61386-24:2004  
Tähtaeg 29.01.2010

**Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground**

This standard specifies requirements and tests for conduit systems buried underground including conduits and conduit fittings for the protection and management of insulated conductors and/or cables in electrical installations or in communication systems. This standard applies to metallic, non-metallic and composite systems including threaded and non-threaded entries which terminate the system.

Keel en

Asendab EVS-EN 50086-2-4:2001; EVS-EN 50086-2-4:2001/A1:2002

**FprEN 50181**

Identne FprEN 50181:2009  
Tähtaeg 29.01.2010

**Plug-in type bushings above 1 kV up to 36 kV and from 250 A to 1,25 kA for equipment other than liquid filled transformers**

This European Standard is applicable to insulated bushings for maximum voltages above 1 kV up to 52 kV, rated currents from 250 A up to 2 500 A and frequencies from 15 Hz up to 60 Hz for equipment other than liquid filled transformers. This European Standard establishes essential dimensions, to ensure adequate mounting and interchangeability of mating plug-in separable connectors of equivalent ratings.

Keel en

Asendab EVS-EN 50181:2002

**FprEN 50541-1**

Identne FprEN 50541-1:2009  
Tähtaeg 29.01.2010

**Three phase dry-type distribution transformers 50 Hz, from 100 to 3150 kVA, with highest voltage for equipment not exceeding 36 kV - Part 1: General requirements and requirements for dry type transformers with highest voltage for equipment not exceeding 36 kV**

This European Standard covers transformers from 100 kVA to 3 150 kVA intended for operation in three phases distribution networks, for indoor continuous service, 50 HZ, natural cooling, with two windings. A primary (high voltage) winding with a highest voltage for equipment of 3,6 kV to 36 kV A secondary (low voltage) winding with a highest voltage for equipment not exceeding 1,1 kV For outdoor application, special design or enclosure (enclosure with adapted IP and IK degrees protections) shall be requested.

Keel en

Asendab EVS-HD 538.1 S1:2003; EVS-HD 538.2 S1:2003

**FprEN 60034-18-32**

Identne FprEN 60034-18-32:2009  
ja identne IEC 60034-18-32:200X  
Tähtaeg 29.01.2010

**Rotating electrical machines - Part 18-32: Functional evaluation of insulation systems - Test procedures for form-wound windings - Evaluation of electrical endurance of insulation systems used in rotating electrical machines**

This part of IEC 60034-18 describes test procedures for the evaluation of electrical endurance of insulation systems for use in a.c. or d.c. rotating electrical machines using form-wound windings. The test procedures are comparative in nature, such that the performance of a candidate insulation system is compared to that of a reference insulation system with proven service experience. The test procedures are principally directed at the insulation systems in air-cooled machines but may also be used for evaluating parts of the insulation system in hydrogen cooled machines. Note that the qualification procedures of inverter duty insulation system for form wound windings can be found in IEC 60034-18-42.

Keel en

Asendab CLC/TR 60034-18-32:2004

**FprEN 60079-11**

Identne FprEN 60079-11:2009

ja identne IEC 60079-11:200X

Tähtaeg 29.01.2010

**Plahvatusohtlikud keskkonnad. Osa 11: Seadme kaitse sisemise ohutusega "i"**

This part of IEC 60079 specifies the construction and testing of intrinsically safe apparatus intended for use in an explosive atmosphere and for associated apparatus, which is intended for connection to intrinsically safe circuits which enter such atmospheres. This type of protection is applicable to electrical apparatus in which the electrical circuits themselves are incapable of causing an explosion in the surrounding explosive atmospheres. This standard is also applicable to electrical apparatus or parts of electrical apparatus located outside the explosive atmosphere or protected by another type of protection listed in IEC 60079-0, where the intrinsic safety of the electrical circuits in the explosive atmosphere may depend upon the design and construction of such electrical apparatus or parts of such electrical apparatus. The electrical circuits exposed to the explosive atmosphere are evaluated for use in such an atmosphere by applying this standard.

Keel en

Asendab EVS-EN 60079-11:2007

**FprEN 60269-6**

Identne FprEN 60269-6:2009

ja identne IEC 60269-6:200X

Tähtaeg 29.01.2010

**Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems**

IEC 60269-1 applies with the following supplementary requirements. Fuse-links for the protection of solar photovoltaic (PV), energy systems shall comply with all requirements of IEC 60269-1, if not otherwise indicated hereinafter, and shall also comply with the supplementary requirements laid down below.

Keel en

**FprEN 60505**

Identne FprEN 60505:2009

ja identne IEC 60505:200X

Tähtaeg 29.01.2010

**Evaluation and qualification of electrical insulation systems**

This International Standard establishes the basis for estimating the ageing of Electrical Insulation Systems (EIS) under conditions of either electrical, thermal, mechanical, environmental stresses or combinations of these (multifactor stresses). It specifies the principles and procedures that shall be followed, during the development of EIS functional test and evaluation procedures, to establish the estimated service life for a specific EIS. This standard shall be used by all IEC technical committees responsible for equipment having an EIS.

Keel en

Asendab EVS-EN 60505:2005

**FprEN 60598-2-20/FprAA**

Identne FprEN 60598-2-20:2009/FprAA:2009

Tähtaeg 29.01.2010

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

This section of Part 2 of IEC Publication 598 specifies requirements for lighting chains fitted with series or parallel connected incandescent lamps for use with indoors or outdoors on supply voltages not exceeding 250 V. It is to be read in conjunction with those of Part 1 to which reference is made.

Keel en

**FprEN 60662**

Identne FprEN 60662:2009

ja identne IEC 60662:200X

Tähtaeg 29.01.2010

**High-pressure sodium vapour lamps - Performance specifications**

This International Standard specifies performance requirements for high-pressure sodium vapour lamps for general lighting purposes which comply with the safety requirements of IEC 62035. For some of the requirements given in this standard, reference is made to "the relevant lamp data sheet". For some lamps these data sheets are contained in this standard. For other lamps, falling under the scope of this standard, the relevant data are supplied by the lamp manufacturer or responsible vendor. The requirements of this standard relate only to type testing. The requirements dealing with the lamp starting test and associated information for ballast/ignitor design are different depending on the practice of the country in which the lamp type was originally developed.

Keel en

Asendab EVS-EN 60662:2001

**FprEN 60684-2**

Identne FprEN 60684-2:2009

ja identne IEC 60684-2:200X

Tähtaeg 29.01.2010

**Flexible insulating sleeving - Part 2: Methods of test**

This part of IEC 60684 gives methods of test for flexible insulating sleeving, including heat-shrinkable sleeving, intended primarily for insulating electrical conductors and connections of electrical apparatus, although they may be used for other purposes. The tests specified are designed to control the quality of the sleeving but it is recognized that they do not completely establish the suitability of sleeving for impregnation or encapsulation processes or for other specialized applications. Where necessary, the test methods in this part will need to be supplemented by appropriate impregnation or compatibility tests to suit the individual circumstances.

Keel en

Asendab EVS-EN 60684-2:2002; EVS-EN 60684-2:2002/A1:2003; EN 60684-2:2002/A2

**FprEN 60684-3-271**

Identne FprEN 60684-3-271:2009

ja identne IEC 60684-3-271:200X

Tähtaeg 29.01.2010

**Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving -Sheet 271: Heat-shrinkable elastomer sleeving, flame retarded, fluid resistant,shrink ratio 2:1**

This standard gives the requirements for four types of heat-shrinkable, flame retarded, fluid resistant, elastomer sleeveings, nominal shrink ratio of 2:1 Type A Standard wall thickness for use at temperatures up to 120 °C Type B Thin wall thickness for use at temperatures up to 120 °C Type C Standard wall thickness for use at temperatures up to 150 °C Type D Thin wall thickness for use at temperatures up to 150 °C These sleeveings are normally supplied with internal diameters up to 102 mm for the standard wall thickness and up to 51 mm for the thin wall thickness. The standard colour is black. Sizes or colours other than those specifically listed in this standard may be available as custom items. These items are considered to comply with this standard if they comply with the property requirements listed in Tables 1, 2, 3, 4, 5 and 6 except for dimensions and mass. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone.

Keel en

Asendab EVS-EN 60684-3-271:2004

**FprEN 61347-2-3**

Identne FprEN 61347-2-3:2009

ja identne IEC 61347-2-3:200X

Tähtaeg 29.01.2010

**Lampide juhtimisseadised. Osa 2-3: Erinõuded luminofoorlampide vahelduvvoolutoitega elektron-liiteseadistele**

This part of IEC 61347 specifies particular safety requirements for electronic control gear for use on a.c. and d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 and IEC 60901, and other fluorescent lamps for high-frequency operation. Performance requirements are the subject of IEC 60929. Particular requirements for electronic control gear with means protection against overheating are given in annex C. For emergency lighting operation particular requirements for control gear operated from a central supply are given in Annex J of this part. Performance requirements appropriate to the safe operation of emergency lighting are also contained in Annex J. Requirements for emergency lighting control gear operating from non-centralised power supplies are given in IEC61347-2-7

Keel en

Asendab EVS-EN 61347-2-3:2002; EVS-EN 61347-2-3:2002/A1:2004; EVS-EN 61347-2-3:2002/A2:2006

**FprEN 61810-2**

Identne FprEN 61810-2:2009

ja identne IEC 61810-2:200X

Tähtaeg 29.01.2010

**Electromechanical elementary relays -- Part 2: Reliability**

This part of IEC 61810 covers test conditions and provisions for the evaluation of endurance tests using appropriate statistical methods to obtain reliability characteristics for relays. It is to be used in conjunction with IEC 61649. This standard applies to electromechanical elementary relays considered as non-repaired items (i.e. items which are not repaired after failure), whenever a random sample of items is subjected to a test of cycles to failure (CTF).

Keel en

Asendab EVS-EN 61810-2:2009

**FprEN 61810-2-1**

Identne FprEN 61810-2-1:2009

ja identne IEC 61810-2-1:200X

Tähtaeg 29.01.2010

**Electromechanical elementary relays - Part 2: Reliability - Procedure for the verification of B10 values**

This standard specifies reliability test procedures for electromechanical elementary relays when enhanced requirements for the verification of reliability apply. Particular provisions are given for relays incorporated in safety-related control systems of machinery in accordance with IEC 62061 and ISO 13849-1. For such relays B10 values for dangerous failures (B10d values) are derived from the tests specified in this standard. This standard is only intended to be used in conjunction with IEC 61810-2.

Keel en

**FprEN 61812-1**

Identne FprEN 61812-1:2009

ja identne IEC 61812-1:200X

Tähtaeg 29.01.2010

**Ajareleed tööstuslikuks kasutuseks. Osa 1: Nõuded ja katsetused**

This International Standard applies to time relays for industrial applications (e.g. control, automation, signal and industrial equipment). It also applies to time relays for automatic electrical controls for use in, on, or in association with equipment for residential and similar use. The term "relay" as used in this standard comprises all types of relays with specified time functions, other than measuring relays.

Keel en

Asendab EVS-EN 61812-1:2001

**FprEN 61960**

Identne FprEN 61960:2009

ja identne IEC 61960:200X

Tähtaeg 29.01.2010

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications**

This International Standard specifies performance tests, designations, markings, dimensions and other requirements for secondary lithium single cells and batteries for portable applications. The objective of this standard is to provide the purchasers and users of secondary lithium cells and batteries with a set of criteria with which they can judge the performance of secondary lithium cells and batteries offered by various manufacturers.

Keel en

Asendab EVS-EN 61960:2004

**FprEN 62246-1**

Identne FprEN 62246-1:2009

ja identne IEC 62246-1:200X

Tähtaeg 29.01.2010

**Reed contact units - Part 1: Generic specification**

IEC 62246-1 which is the generic specification applies to all types of reed switches including magnetically biased reed switches of assessed quality for use in general and industrial applications.

Keel en

Asendab EVS-EN 62246-1:2003

**FprEN 62532**

Identne FprEN 62532:2009

ja identne IEC 62532:200X

Tähtaeg 29.01.2010

**Fluorescent induction lamps - Safety specifications**

This International Standard specifies the safety requirements for fluorescent induction lamps for general lighting purposes. It also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with his test records on finished products. This method can also be applied for certification purposes. Details of a batch test procedure, which can be used to make limited assessment of batches are also given in this standard. The schematic drawings of the systems are shown in Annex A.

Keel en

**HD 639 S1:2003/FprA2**

Identne HD 639 S1:2002/FprA2:2009

Tähtaeg 29.01.2010

**Elektrilised lisaseadmed. Kantavad rikkevoolukaitseaparaadid ilma sisseehitatud liigvoolukaitseta majapidamis- ja muuks taoliseks kasutuseks**

Electrical accessories Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)

Keel en

**prEN 16009**

Identne prEN 16009:2009  
Tähtaeg 29.01.2010

**Flameless explosion venting devices**

This European Standard specifies the requirements for flameless explosion venting devices used to protect enclosures against the major effects of internal explosions arising from the rapid burning of suspended dust, vapour or gas contained within. It includes the requirements for the design, inspection, testing, marking, documentation, and packaging. This standard specifies flameless explosion venting devices which are put on the market as autonomous protective systems.

Keel en

**31 ELEKTROONIKA****FprEN 60068-2-83**

Identne FprEN 60068-2-83:2009  
ja identne IEC 60068-2-83:200X  
Tähtaeg 29.01.2010

**Environmental testing - Part 2-83: Tests - Test Tf: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method using solder paste**

This standard provides methods for comparative investigation of the wettability of the metallic terminations or metallized terminations of SMDs with solder pastes. Data obtained by these methods are not intended to be used as absolute quantitative data for pass – fail purposes.

Keel en

**FprEN 60122-3**

Identne FprEN 60122-3:2009  
ja identne IEC 60122-3:200X  
Tähtaeg 29.01.2010

**Quartz crystal units of assessed quality - Part 3: Standard outlines and lead connections**

This part of IEC 60122 specifies the outline drawing for quartz crystal units with lead enclosures.

Keel en

Asendab EVS-EN 60122-3:2003

**FprEN 60368-3**

Identne FprEN 60368-3:2009  
ja identne IEC 60368-3:200X  
Tähtaeg 29.01.2010

**Piezoelectric filters of assessed quality - Part 3: Standard outlines and lead connections**

This part of IEC 60368 specifies the outline drawing for piezoelectric filters with lead enclosures.

Keel en

Asendab EVS-EN 60368-3:2003

**FprEN 61169-14**

Identne FprEN 61169-14:2009  
ja identne IEC 61169-14:200X  
Tähtaeg 29.01.2010

**Radio-frequency connectors - Part 14: R.F. coaxial connectors with inner diameter of outer conductor 12 mm with screw coupling - Characteristic impedance 75 ohms (Type 3.5/12)**

This standard concerns RF. coaxial connectors for use with RF. cables both flexible and semi-rigid, where air dielectric interface and high mechanical stability is required for severe environmental exposure. The connectors provide low reflection in the microwave region up to 12 GHz and all patterns may provide sealing up to a pressure differential of 3 bar. For this type of connector, cables 60096-2 IEC 75-7-1/2 and 8 of IEC 60096-2, Radiofrequency Cables, Part 2: Relevant cable specifications, are recommended. This type is known commercially as the 3.5/12 connector.

Keel en

**FprEN 61169-35**

Identne FprEN 61169-35:2009  
ja identne IEC 61169-35:200X  
Tähtaeg 29.01.2010

**Radio-frequency connectors - Part 35: Sectional specification for 2.92 series R.F. coaxial connectors**

2,92 series coaxial connectors with characteristic impedance 50Ω , 2,92mm inner diameter of outer conductor and screw coupling, are used for millimeter wave applications, connecting with RF cables or microstrips. The operating frequency limit is up to 40GHz. Mating interface standards of the 2,92 series connectors are similar to IEEE std 287-2007 (2,92mm) and MIL-std-348A (SMK). The 2,92 connectors can be inter-mated with SMA, and 3,5mm connectors as per following standards. SMA: IEC 61169-35, MIL-PRF-39012D and MIL-STD-348A. 3,5mm: IEC 61169-23, IEEE std 287-2007.

Keel en

**FprEN 62496-3**

Identne FprEN 62496-3:2009  
ja identne IEC 62496-3:200X  
Tähtaeg 29.01.2010

**Optical circuit boards - Part 3: Performance standards - General and guidance**

This part of IEC 62496 covers general information on optical circuit board performance standards. It defines those tests and severities which form the performance categories or general operating service environments and identifies those tests which are considered to be product specific. Test and severity details are given in Annex A. IEC 62496-3 provides references, definitions and rules for creating optical circuit board performance standards, as well as related information pertinent to the subject. Subsequent parts of IEC 62496-3 are sequentially numbered and contain performance criteria for specific applications. Each part will be added as the performance criteria become standardised for international use.

Keel en

**FprEN 62496-4**

Identne FprEN 62496-4:2009  
ja identne IEC 62496-4:200X  
Tähtaeg 29.01.2010

**Optical circuit boards - Part 3: Interface standards - General and guidance**

This part of IEC 62496 covers general information on the subject of an optical circuit board (OCB) interfaces. It includes normative references, definitions and rules for creating and interpreting the standard drawings.

Keel en

**FprEN 62496-2-2**

Identne FprEN 62496-2-2:2009  
ja identne IEC 62496-2-2:200X  
Tähtaeg 29.01.2010

**Optical circuit boards - Test and measurement procedures - Part 2-2: Measurements: Dimensions of optical circuit boards**

This standard specified the measurement procedures for dimensions related to interface information of optical circuit boards, specified in IEC 62496-4.

Keel en

**33 SIDETEHNIKA****EN 55016-2-1:2009/FprA1**

Identne EN 55016-2-1:2009/FprA1:2009  
ja identne CISPR 16-2-1:2008/A1:200X  
Tähtaeg 29.01.2010

**Raadiohäiringute ja häiringukindluse mõõtmise aparatuuri ja meetodite spetsifikatsioon. Osa 2-1:Häiringute ja häiringukindluse mõõtemetodid. Juhtivuslikult levivate häiringute mõõtmine**

This part of CISPR 16 is designated a basic standard, which specifies the methods of measurement of disturbance phenomena in general in the frequency range 9 kHz to 18 GHz and especially of conducted disturbance phenomena in the frequency range 9 kHz to 30 MHz.

Keel en

**EN 55022:2006/FprA2**

Identne EN 55022:2006/FprA2:2009  
ja identne CISPR 22:2005/A2:2006  
Tähtaeg 29.01.2010

**Infotehnoloogiaseadmed. Raadiohäiringute tunnussuurused. Piirväärtused ja mõõtemetodid**

This International Standard applies to ITE as defined in 3.1. Procedures are given for the measurement of the levels of spurious signals generated by the ITE and limits are specified for the frequency range 9 kHz to 400 GHz for both class A and class B equipment. No measurements need be performed at frequencies where no limits are specified. The intention of this publication is to establish uniform requirements for the radio disturbance level of the equipment contained in the scope, to fix limits of disturbance, to describe methods of measurement and to standardize operating conditions and interpretation of results.

Keel en

Asendatud FprEN 55022

**FprEN 55016-1-1/FprA1**

Identne FprEN 55016-1-1:2009/FprA1:2009  
ja identne CISPR 16-1-1:200X/A1:200X  
Tähtaeg 29.01.2010

**Raadiohäiringute ja häiringukindluse mõõtmise aparatuuri ja meetodite spetsifikatsioon. Osa 1-1:Raadiohäiringute ja häiringukindluse mõõteaparaadid. Mõõteaparaadid**

This part of CISPR 16 specifies the characteristics and performance of equipment for the measurement of radio disturbance in the frequency range 9 kHz to 18 GHz. In addition, requirements are provided for specialized equipment for discontinuous disturbance measurements.

Keel en

**FprEN 55022**

Identne FprEN 55022:2009

ja identne CISPR 22:2008

Tähtaeg 29.01.2010

**Infotehnoloogiasedmed. Raadiohäiringute tunnussuurused. Piirväärtused ja mõõtemetodid**

This International Standard applies to ITE as defined in 3.1. Procedures are given for the measurement of the levels of spurious signals generated by the ITE and limits are specified for the frequency range 9 kHz to 400 GHz for both class A and class B equipment. No measurements need be performed at frequencies where no limits are specified. The intention of this publication is to establish uniform requirements for the radio disturbance level of the equipment contained in the scope, to fix limits of disturbance, to describe methods of measurement and to standardize operating conditions and interpretation of results.

Keel en

Asendab EVS-EN 55022:2006; EVS-EN 55022:2006/A1:2007; EN 55022:2006/FprA2

**FprEN 60096-0-1**

Identne FprEN 60096-0-1:2009

ja identne IEC 60096-0-1:200X

Tähtaeg 29.01.2010

**Radio-frequency cables - Part 0-1: Guide to the design of detail specifications - Section 1: Coaxial cables**

This part of the standard gives recommendations for design parameters, including nominal characteristic impedances and diameter over dielectric, and guidance for the design of radio-frequency coaxial cables with braid, metallic tapes or tubular outer conductors.

Keel en

**FprEN 61000-4-21**

Identne FprEN 61000-4-21:2009

ja identne IEC 61000-4-21:200X

Tähtaeg 29.01.2010

**Electromagnetic compatibility (EMC) - Part 4-21: Testing and measurement techniques - Reverberation chamber test methods**

This part of IEC 61000 considers tests of immunity and intentional or unintentional emissions for electric and/or electronic equipment and tests of screening effectiveness in reverberation chambers. It establishes the required test procedures for performing such tests. Only radiated phenomena are considered.

Keel en

Asendab EVS-EN 61000-4-21:2004

**FprEN 61300-2-6**

Identne FprEN 61300-2-6:2009

ja identne IEC 61300-2-6:200X

Tähtaeg 29.01.2010

**Fibre optic interconnection devices and passive components - Basic test and measurement procedures - Part 2-6: Tests - Tensile strength of coupling mechanism**

The purpose of this part of IEC 61300 is to ensure that the coupling mechanism of a connector set or connector-device combination will withstand the axial loads likely to be applied during normal service.

Keel en

Asendab EVS-EN 61300-2-6:2002

**FprEN 61850-4**

Identne FprEN 61850-4:2009

ja identne IEC 61850-4:200X

Tähtaeg 29.01.2010

**Communication networks and systems in substations - Part 4: System and project management**

This part of IEC 61850 applies to process near automation systems of power utilities (UAS, Utility Automation System), like e.g. substation automation systems (SAS). It defines the system and project management for UAS systems with communication between intelligent electronic devices (IEDs) in the substation respective plant and the related system requirements.

Keel en

Asendab EVS-EN 61850-4:2003

**FprEN 62496-3**

Identne FprEN 62496-3:2009

ja identne IEC 62496-3:200X

Tähtaeg 29.01.2010

**Optical circuit boards - Part 3: Performance standards - General and guidance**

This part of IEC 62496 covers general information on optical circuit board performance standards. It defines those tests and severities which form the performance categories or general operating service environments and identifies those tests which are considered to be product specific. Test and severity details are given in Annex A. IEC 62496-3 provides references, definitions and rules for creating optical circuit board performance standards, as well as related information pertinent to the subject. Subsequent parts of IEC 62496-3 are sequentially numbered and contain performance criteria for specific applications. Each part will be added as the performance criteria become standardised for international use.

Keel en

**FprEN 62496-4**

Identne FprEN 62496-4:2009

ja identne IEC 62496-4:200X

Tähtaeg 29.01.2010

**Optical circuit boards - Part 3: Interface standards - General and guidance**

This part of IEC 62496 covers general information on the subject of an optical circuit board (OCB) interfaces. It includes normative references, definitions and rules for creating and interpreting the standard drawings.

Keel en

**FprEN 62496-2-2**

Identne FprEN 62496-2-2:2009

ja identne IEC 62496-2-2:200X

Tähtaeg 29.01.2010

**Optical circuit boards - Test and measurement procedures - Part 2-2: Measurements: Dimensions of optical circuit boards**

This standard specified the measurement procedures for dimensions related to interface information of optical circuit boards, specified in IEC 62496-4.

Keel en

**35 INFOTEHNOLOOGIA. KONTORISEADMED****FprEN ISO 11073-10404**

Identne FprEN ISO 11073-10404:2009

ja identne ISO/FDIS 11073-10404:2009

Tähtaeg 29.01.2010

**Health informatics - Personal health device communication - Part 10404: Device specialization - Pulse oximeter**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth pulse oximeter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play (PnP) interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth pulse oximeters.

Keel en

**FprEN ISO 11073-10407**

Identne FprEN ISO 11073-10407:2009

ja identne ISO/FDIS 11073-10407:2009

Tähtaeg 29.01.2010

**Health informatics - Personal health device communication - Part 10407: Device specialization - Blood pressure monitor**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth blood pressure monitor devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth blood pressure monitors.

Keel en

**FprEN ISO 11073-10408**

Identne FprEN ISO 11073-10408:2009

ja identne ISO/FDIS 11073-10408:2009

Tähtaeg 29.01.2010

**Health informatics - Point-of-care medical device communication - Part 10408: Device specialization - Thermometer**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth thermometer devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth thermometers.

Keel en

**FprEN ISO 11073-10415**

Identne FprEN ISO 11073-10415:2009  
 ja identne ISO/FDIS 11073-10415:2009  
 Tähtaeg 29.01.2010

**Health informatics - Point-of-care medical device communication - Part 10415: Device specialization - Weighing scale**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth weighing scale devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth weighing scales.

Keel en

**FprEN ISO 11073-10471**

Identne FprEN ISO 11073-10471:2009  
 ja identne ISO/FDIS 11073-10471:2009  
 Tähtaeg 29.01.2010

**Health Informatics - Point-of-care medical device communication - Part 10471: Device specialization - Independent living activity hub**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between independent living activity hubs and managers (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting ambiguity in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for independent living activity hubs. In this context, independent living activity hubs are defined as devices that communicate with simple situation monitors (binary sensors), normalize information received from the simple environmental monitors, and provide this normalized information to one or more managers.

Keel en

**FprEN ISO 11073-20601**

Identne FprEN ISO 11073-20601:2009  
 ja identne ISO/FDIS 11073-20601:2009  
 Tähtaeg 29.01.2010

**Health informatics - Point-of-care medical device communication - Part 20601: Application profile - Optimized exchange protocol**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard defines a common framework for making an abstract model of personal health data available in transport-independent transfer syntax required to establish logical connections between systems and to provide presentation capabilities and services needed to perform communication tasks. The protocol is optimized to personal health usage requirements and leverages commonly used methods and tools wherever possible.

Keel en

**FprEN ISO 11073-10417**

Identne FprEN ISO 11073-10417:2009  
 ja identne ISO/FDIS 11073-10417:2009  
 Tähtaeg 29.01.2010

**Health informatics - Personal health device communication - Part 10417: Device specialization - Glucose meter**

Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g. cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth glucose meters.

Keel en

**prEN ISO 9241-420**

Identne prEN ISO 9241-420:2009

ja identne ISO/DIS 9241-420:2009

Tähtaeg 29.01.2010

**Ergonomics of human-system interaction - Part 420: Selection procedures for physical input devices**

This part of ISO 9241 applies to input devices for interactive systems. It provides guidance for selecting input devices based on ergonomic factors for the following input devices: keyboards, mice, trackballs, trackpads, tablets and overlays, touch sensitive screens, styli, and light pens. This part of ISO 9241 gives guidance for selecting these devices so that the limitations and capabilities of users and the specific tasks and the specific context of use are considered. The target users of this part of the standard are user organizations and systems integrators who tailor systems for a given context of use. This part of ISO 9241 specifies methods for selecting a device or a combination of devices for the task at hand. It may also be used for evaluating the acceptability of trade-offs under the existing conditions. This part of ISO 9241 does not specify design requirements or recommendations for devices.

Keel en

**prEN ISO 19118**

Identne prEN ISO 19118:2009

ja identne ISO/DIS 19118:2009

Tähtaeg 29.01.2010

**Geographic information - Encoding**

This International Standard specifies the requirements for defining encoding rules to be used for interchange of data that conforms to the geographic information series of International Standards. This International Standard specifies - requirements for creating encoding rules based on UML schemas, - requirements for creating encoding services, - requirements for XML based encoding rules for neutral interchange of data. This International Standard does not specify any digital media, it does not define any transfer services or transfer protocols, nor does it specify how to encode inline large images.

Keel en

Asendab EVS-EN ISO 19118:2006

**47 LAEVAEHITUS JA MERE-EHITISED****EN 61162-3:2008/FprA1**

Identne EN 61162-3:2008/FprA1:2009

ja identne IEC 61162-3:2008/A1:200X

Tähtaeg 29.01.2010

**Maritime navigation and radiocommunication equipment and systems - Digital interfaces -- Part 3: Serial data instrument network**

This part of IEC 61162 is based upon the NMEA 2000 standard. The NMEA 2000 standard contains the requirements for the minimum implementation of a serial-data communications network to interconnect marine electronic equipment onboard vessels. Equipment designed to this standard will have the ability to share data, including commands and status, with other compatible equipment over a single signalling channel.

Keel en

**FprEN 62376**

Identne FprEN 62376:2009

ja identne IEC 62376:200X

Tähtaeg 29.01.2010

**Maritime navigation and radiocommunication equipment and systems - electronic chart system (ECS) - Operational and performance requirements, methods of testing and required test results**

This International Standard specifies the minimum operational and performance requirements and methods of testing for ECS. ECS are designed or adapted for use as either a primary means of navigation or as a navigational aid on vessels not required to comply with Chapter V of the International Convention for the Safety of Life at Sea (SOLAS). Different types of vessels, for example, a non-SOLAS passenger vessel, a small fishing vessel or a recreational vessel, which operate in different environments, should be equipped with navigational systems providing functionality to meet their needs. A government may choose to accept ECS as a primary means of navigation for these vessels.

Keel en

**49 LENNUNDUS JA KOSMOSETEHNIKA****FprEN 4115**

Identne FprEN 4115:2009

Tähtaeg 29.01.2010

**Aerospace series - Cushion, rubber for clamps - Dimensions, masses**

This European Standard specifies the required characteristics for rubber cushions used on clamps according to EN 3730, EN 4113, EN 4114. For temperature range and environmental conditions see Table 1.

Keel en

Asendab EVS-EN 4115:2002

**FprEN 2240-021**

Identne FprEN 2240-021:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 021: Lamp, code 313 - Product standard**

This European Standard specifies the required characteristics for lamp, code 313, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-022**

Identne FprEN 2240-022:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 022: Lamp, code 315 - Product standard**

This European Standard specifies the required characteristics for lamp, code 315, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-023**

Identne FprEN 2240-023:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 023: Lamp, code 316 - Product standard**

This European Standard specifies the required characteristics for lamp, code 316, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-024**

Identne FprEN 2240-024:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 024: Lamp, code 327 - Product standard**

This European Standard specifies the required characteristics for lamp, code 327, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-025**

Identne FprEN 2240-025:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 025: Lamp, code 328 - Product standard**

This European Standard specifies the required characteristics for lamp, code 328, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-026**

Identne FprEN 2240-026:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 026: Lamp, code 330 - Product standard**

This European Standard specifies the required characteristics for lamp, code 330, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-027**

Identne FprEN 2240-027:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 027: Lamp, code 334 - Product standard**

This European Standard specifies the required characteristics for lamp, code 334, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-028**

Identne FprEN 2240-028:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 028: Lamp, code 337 - Product standard**

This European Standard specifies the required characteristics for lamp, code 337, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-029**

Identne FprEN 2240-029:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 029: Lamp, code 338 - Product standard**

This European Standard specifies the required characteristics for lamp, code 338, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 2240-030**

Identne FprEN 2240-030:2009

Tähtaeg 29.01.2010

**Aerospace series - Lamps, incandescent - Part 030: Lamp, code 345 - Product standard**

This European Standard specifies the required characteristics for lamp, code 345, for aerospace applications. It shall be used together with EN 2756.

Keel en

**FprEN 3459**

Identne FprEN 3459:2009

Tähtaeg 29.01.2010

**Aerospace series - Titanium alloy TI-P63001 (Ti-4Al-4Mo-2Sn) - Solution treated and aged - Plate - 6 mm < a ≤ 50 mm**

This standard specifies the requirements relating to: Titanium alloy TI-P63001 (Ti-4Al-4Mo-2Sn) Solution treated and aged Plate 6 mm < a ≤ 50 mm for aerospace applications.

Keel en

**FprEN 4619**

Identne FprEN 4619:2009

Tähtaeg 29.01.2010

**Aerospace series - Inserts, MJ threads, self-locking. with self-broaching keys - Installation and removal procedure**

This European Standard specifies the installation and removal procedure (hole profile, tools) of self-locking, self-broaching key, MJ thread inserts defined by EN standards, for aerospace applications.

Keel en

**FprEN 4620**

Identne FprEN 4620:2009

Tähtaeg 29.01.2010

**Aerospace series - Inserts, MJ threads, self-locking, with self-broaching keys - Design standard**

This European Standard specifies the applications and installation hole dimensions for EN standard, self-locking, self-broaching key, MJ thread inserts and provisions for component salvage, for aerospace applications.

Keel en

**FprEN 4621**

Identne FprEN 4621:2009

Tähtaeg 29.01.2010

**Aerospace series - Inserts, MJ threads, self-locking, self-broaching keys - Technical specification**

This European Standard specifies the characteristics, qualification and acceptance requirements for self-locking inserts, self-broaching keys with MJ threads, for aerospace applications. It is applicable whenever referenced.

Keel en

**FprEN 4622**

Identne FprEN 4622:2009

Tähtaeg 29.01.2010

**Aerospace series - Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting steel FE-PA2601 (A286), MoS2 coated**

This European Standard specifies the characteristics of self-locking, MJ thread inserts, self-broaching keys, in FE-PA2601, MoS2 coated, for aerospace applications. Classification: 1 100 MPa 1) / 315 °C 2)

Keel en

**FprEN 4623**

Identne FprEN 4623:2009

Tähtaeg 29.01.2010

**Aerospace series - Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated**

This European Standard specifies the characteristics of self-locking, MJ thread inserts, self-broaching keys, in NI-PH2601, silver plated, for aerospace applications. Classification: 1 550 MPa 1) / 600 °C 2)

Keel en

**FprEN 4624**

Identne FprEN 4624:2009  
Tähtaeg 29.01.2010

**Aerospace series - Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting nickel base alloy NI-PH1302 (Waspaloy), silver plate**

This European Standard specifies the characteristics of self-locking, MJ thread inserts, self-broaching keys, in NI-PH1302, silver plated, for aerospace applications. Classification: 1 200 MPa 1) / 800 °C 2)

Keel en

**FprEN 4677-001**

Identne FprEN 4677-001:2009  
Tähtaeg 29.01.2010

**Aerospace series - Welded and brazed assemblies for aerospace construction - Joints of metallic materials by electron beam welding - Part 001: Quality of welded assemblies**

This European Standard defines the rules to be satisfied to ensure the quality of joints of metallic materials by electron beam welding (code 51 according to EN ISO 4063). It applies unreservedly to the manufacturing of new parts or for repair, these operations being under the responsibility of an approved manufacturer or supplier. The final responsibility is with the Design Authority

Keel en

**FprEN 4700-001**

Identne FprEN 4700-001:2009  
Tähtaeg 29.01.2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 001: Plate, sheet and strip**

This standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting (Cobalt, Nickel and iron based alloys) alloy plate, sheet and strip. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**FprEN 4700-002**

Identne FprEN 4700-002:2009  
Tähtaeg 29.01.2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 002: Bar and section**

This standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy bar and section. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**FprEN 4700-003**

Identne FprEN 4700-003:2009  
Tähtaeg 29.01.2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 003: Tube**

This standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy tube. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**FprEN 4700-005**

Identne FprEN 4700-005:2009  
Tähtaeg 29.01.2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 005: Forging stock**

This standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy forging stock. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**FprEN 4700-006**

Identne FprEN 4700-006:2009  
Tähtaeg 29.01.2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 006: Pre- production and production forgings**

This standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of wrought products in steel and heat resisting alloys. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**FprEN 4700-007**

Identne FprEN 4700-007:2009  
Tähtaeg 29.01.2010

**Aerospace series - Steel and heat resisting alloys - Wrought products - Technical specification - Part 007: Remelting stock**

This standard defines the requirements for the ordering, manufacture, testing, inspection and delivery of steel and heat resisting alloy remelting stock. It shall be applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel en

**FprEN 6049-002**

Identne FprEN 6049-002:2009  
Tähtaeg 29.01.2010

**Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 002: General and list of product standard**

This European Standard provides a list of all parts of sleeves in meta-aramid fibres EN 6049 required for the protection of cable and bundle cables for aerospace application.

Keel en

**FprEN 6059-501**

Identne FprEN 6059-501:2009  
Tähtaeg 29.01.2010

**Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 501: Voltage proof test**

This European Standard specifies a method of performing voltage proof tests on finished protection sleeves. It shall be used together with EN 6059-100.

Keel en

**53 TÕSTE- JA TEISALDUS-SEADMED****EN 13135-1:2004/FprA1**

Identne EN 13135-1:2003/FprA1:2009  
Tähtaeg 29.01.2010

**Cranes - Equipment - Part 1: Electrotechnical equipment**

This European Standard specifies requirements for the design and selection of low voltage electrotechnical equipment for all type of cranes, with the objectives of ensuring reliability of safety-related function and protecting personnel from hazards affecting their health and safety.

Keel en

**prEN ISO 2867**

Identne prEN ISO 2867:2009  
ja identne ISO/DIS 2867:2009  
Tähtaeg 29.01.2010

**Mullatöömasinad. Juurdepääsusüsteemid**

This International Standard specifies criteria for access systems to the operator platform and to routine maintenance points on earth-moving machinery as defined in ISO 6165. It is applicable to access systems (e.g. enclosure openings, platforms, handrails and handholds, stairways and steps, and ladders) on machines parked in accordance with the manufacturer's instructions.

Keel en

Asendab EVS-EN ISO 2867:2008

**59 TEKSTIILI- JA NAHATEHNOLOOGIA****EN 15619:2008/FprA1**

Identne EN 15619:2008/FprA1:2009  
Tähtaeg 29.01.2010

**Rubber or plastic coated fabrics - Safety of temporary structures (tents) - Specification for coated fabrics intended for tents and related structures**

This European Standard specifies the characteristics, requirements and test methods for coated fabric intended for mobile, temporary installed tents (see 3.3) and related structures. Plastic film and material other than coated fabrics are not covered by this European Standard.

Keel en

**prEN ISO 105-B02**

Identne prEN ISO 105-B05:2009  
ja identne ISO/DIS 105-B02:2009  
Tähtaeg 29.01.2010

**Tekstiil. Värvipüsivuse katsetamine. Osa B02: Värvipüsivus tehisvalguse toimele: Katse ksenoonkaarlambiga**

This part of ISO 105 specifies a method intended for determining the effect on the colour of the textiles of all kinds and in all forms to the action of an artificial light source representative of natural daylight (D65). The method is also applicable to white (bleached or optically brightened) textiles. This method allows the use of two different sets of blue wool references. The results from the two different sets of references may not be identical.

Keel en

Asendab EVS-EN ISO 105-B02:2000; EVS-EN ISO 105-B02:2000/A1:2002

**prEN ISO 105-E02**

Identne prEN ISO 105-E02:2009  
ja identne ISO/DIS 105-E02:2009  
Tähtaeg 29.01.2010

**Tekstiil. Värvipüsivuse katsetamine. Osa E02: Värvipüsivus merevee toimele**

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to immersion in sea water.

Keel en

Asendab EVS-EN ISO 105-E02:2000

**prEN ISO 3376**

Identne prEN ISO 3376:2009  
ja identne ISO/DIS 3376:2009  
Tähtaeg 29.01.2010

**Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension**

This International Standard specifies a method for determining the tensile strength, elongation at a specified load and elongation at break of leather. It is applicable to all types of leather

Keel en

Asendab EVS-EN ISO 3376:2003

**prEN ISO 5402-1**

Identne prEN ISO 5402-1:2009  
ja identne ISO/DIS 5402-1:2009  
Tähtaeg 29.01.2010

**Leather - Determination of flex resistance - Part 1: Flexometer method**

This International Standard specifies a method for determining the wet or dry flex resistance of leather and finishes applied to leather. It is applicable to all types of leather below 3,0 mm in thickness.

Keel en

Asendab EVS-EN ISO 5402:2003

**prEN ISO 13365**

Identne prEN ISO 13365:2009  
ja identne ISO/DIS 13365:2009  
Tähtaeg 29.01.2010

**Leather - Chemical tests - Determination of the preservative (TCMTB, CMK, OPP, OIT) content in leather**

This International Standard specifies a test method for the determination of the amount of 2-(thiocyanomethylthio)-benzothiazole (TCMTB), 4-chloro-3-methylphenol (CMK), 2-phenylphenol (OPP) and 2-octylisothiazol-3(2H)-one (OIT) in leather. The determined preservative content shall be expressed in mg/kg leather. NOTE 4-chloro-3-methylphenol (CMK) and 2-phenylphenol (OPP) may be determined also according to ISO 17070 and quantified by means of GC-MSD.

Keel en

**prEN ISO 14087**

Identne prEN ISO 14087:2009  
ja identne ISO/DIS 14087:2009  
Tähtaeg 29.01.2010

**Leather - Physical and mechanical tests - Determination of flexural properties**

This International Standard describes a test method for the determination of the bending force of leather.

Keel en

**prEN ISO 14088**

Identne prEN ISO 14088:2009

ja identne ISO/DIS 14088:2009

Tähtaeg 29.01.2010

**Leather - Chemical tests - Quantitative analysis of tanning agents by filter method**

This International Standard describes a test method for the determination of tanning agents in all vegetable and synthetic tanning products.

Keel en

**prEN ISO 17076-2**

Identne prEN ISO 17076-2:2009

ja identne ISO/DIS 17076-2:2009

Tähtaeg 29.01.2010

**Leather - Determination of abrasion resistance - Part 2: Martindale ball plate method**

This International Standard specifies a method of determining the abrasion resistance of upholstery leather for different applications using Martindale apparatus with ball plate. The method is applicable to semi-aniline, pigmented and coated leather.

Keel en

Asendab EVS-EN 14327:2004

**prEN ISO 17186**

Identne prEN ISO 17186:2009

ja identne ISO/DIS 17186:2009

Tähtaeg 29.01.2010

**Leather - Physical and mechanical tests - Determination of surface coating thickness**

This International Standard specifies a method for determining the thickness of the surface coating applied to leather when measured under zero compression. It is applicable to all types of leather.

Keel en

Asendab EVS-EN ISO 17186:2003

**prEN ISO 17226-3**

Identne prEN ISO 17226-3:2009

ja identne ISO/DIS 17226-3:2009

Tähtaeg 29.01.2010

**Leather - Chemical determination of formaldehyde content - Part 3: Determination of formaldehyde emissions from leather**

This International Standard specifies a method to determine the emission of formaldehyde from leathers. This method is based on high performance liquid chromatography (HPLC). It is selective and allows also observing the emission of other low molecular aldehydes and ketones. ISO 17226-3 refers to the release of formaldehyde to the gas phase. Therefore they are not comparable with the results of methods describe in part 1 and 2 which are based on an extraction with liquid water.

Keel en

**prEN ISO 17234-2**

Identne prEN ISO 17234-2:2009

ja identne ISO/DIS 17234-2:2009

Tähtaeg 29.01.2010

**Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene**

This International Standard specifies a method for determining the use of certain azo colorants which may release 4-aminoazobenzene.

Keel en

**prEN ISO 17235**

Identne prEN ISO 17235:2009

ja identne ISO/DIS 17235:2009

Tähtaeg 29.01.2010

**Leather - Physical and mechanical tests - Determination of softness**

This International Standard specifies a non destructive method for determining the softness of a leather. It is applicable to all non-rigid leathers. e.g. Shoe upper leather, upholstery leather, leathersgoods leather and apparel leather.

Keel en

Asendab EVS-EN ISO 17235:2003

**65 PÕLLUMAJANDUS****EN 836:1999/FprA4**

Identne EN 836:1997/FprA4:2009

Tähtaeg 29.01.2010

**Aiapidamiseseadmed. Ajamiga muruniidukid. Ohutus**

Käesolev Euroopa standard määrab kindlaks ajamiga varustatud, pöörleva ja silindrilise löiketeraga muruniidukite, kaasa arvatud kõndides juhitud ja pealsõites juhitud muruniidukitüübid, muru- ja aiatraktorite, professionaalsete muruniidukite ning lõikeseadmega muru- ning aiatraktorite konstruktsioonile ja tarindusele esitatavad ohutusnõuded ja nõuete kinnituse.

Keel en

**FprEN 50434**

Identne FprEN 50434:2009

Tähtaeg 29.01.2010

**Safety of household and similar appliances - Particular requirements for mains operated shredders and chippers**

oteThis European Standard specifies safety requirements and their verification for the design and construction of hand fed, shredders/chippers with integral motor, not exceeding 250 V single phase, with or without vacuum assisted collection which are designed to reduce organic material to smaller pieces and are used in a stationary position by an operator standing on the ground. It applies to shredders/chippers with feed intake openings in the form of a single opening or an opening divided into a number of segments. The feed intake openings or segments each being of any shape that will fit into a square of 250 mm x 250 mm measured at the relevant safety distance to the cutting means.

Keel en

**FprEN 60335-2-94**

Identne FprEN 60335-2-94:2009

ja identne IEC 60335-2-94:2008

Tähtaeg 29.01.2010

**Household and similar electrical appliances - Safety -- Part 2-94: Particular requirements for scissors type grass shears**

This European Standard specifies safety requirements and their verification for the design and construction of electric powered hand-held scissors type grass shears with a maximum cutting width of 200 mm designed primarily for cutting grass, their rated voltage being not more than 250 V for a.c. or 75 V d.c. In this European Standard the term "machine" means "electric powered scissors type grass shear". This European Standard does not apply to hedge trimmers as covered by EN 60745-2-15. Requirements for chargers are covered by IEC 60335-2-29. Requirements for batteries are covered by EN 62133. EMC and environmental aspects except for noise have not been considered in this European Standard. As far as is practicable, this European Standard deals with the common hazards presented by machines that are encountered by all persons in and around the home. However, in general, it does not take into account – persons (including children) whose • physical, sensory or mental capabilities; or • lack of experience and knowledge prevents them from using the machine safely without supervision or instruction, – children playing with the machine.

Keel en

**prEN 13037**

Identne prEN 13037:2009

Tähtaeg 29.01.2010

**Mullaparandajad ja kasvukeskkond. pH määramine.**

This European Standard specifies an instrumental method for the routine determination of pH in a suspension of soil improvers or growing media.

Keel en

Asendab EVS-EN 13037:2000

**prEN 13038**

Identne EN 13038:1999

Tähtaeg 29.01.2010

**Mullaparandajad ja kasvukeskkond. Elektrijuhtivuse määramine.**

This European standard specifies an instrumental method for the routine determination of electrical conductivity in a water extract of a soil improver or growing medium. The determination is carried out to obtain an indication of the content of water soluble electrolytes in either soil improvers or growing media.

Keel en

Asendab EVS-EN 13038:2000

**prEN 13039**

Identne prEN 13039:2009

Tähtaeg 29.01.2010

**Mullaparandajad ja kasvukeskkond. Orgaanilise aine sisalduse ja tuhasuse määramine.**

This European standard specifies a method for determining the organic matter and the ash content of soil improvers and growth media.

Keel en

Asendab EVS-EN 13039:2001

**prEN 16006**

Identne prEN 16006:2009  
Tähtaeg 29.01.2010

**Animal feeding stuffs - Determination of the Sum of Fumonisin B1 & B2 in compound animal feed with immunoaffinity clean-up and RP-HPLC with fluorescence detection after pre- or post-column derivatisation**

This International Standard is applicable to the determination of Fumonisin B1 & B2 (FB1 & FB2) in compound animal feed at levels starting from 3 mg/kg up to 16 mg/kg

Keel en

**prEN 16007**

Identne prEN 16007:2009  
Tähtaeg 29.01.2010

**Animal feeding stuffs - Determination of Ochratoxin A in animal feed by immunoaffinity column clean-up and High Performance Liquid Chromatography with fluorescence detection**

This protocol specifies a method for the determination of Ochratoxin A (OTA) in cereal based animal feed using immunoaffinity for clean-up followed by liquid-chromatography with fluorescence detection. The validated mass fraction range was 39 µg/kg to 338 µg/kg OTA.

Keel en

**prEN 60335-2-91/FprAA**

Identne EN 60335-2-91:2003  
Tähtaeg 29.01.2010

**Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-91: Erinõuded järelkäiguga ja käeshoitavatele muru- ja hekitrimmeritele**

Applicable to safety of mains-operated walk behind and hand held lawn trimmers and lawn edge trimmers, with cutting element(s) of non metallic filament line or freely pivoting non metallic cutter(s), with a kinetic energy of not more than 10 J each, rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel en

**prEN ISO 22867**

Identne ISO/DIS 22867:2009  
ja identne prEN ISO 22867:2009  
Tähtaeg 29.01.2010

**Metsandusmasinad. Integreeritud sisepõlemismootoriga kaasaskantavad käsi-metsatöomasinad. Vibratsioonikatekoodeks. Käepidemete vibratsiooni mõõtmine**

This International Standard specifies a vibration test code for determining, efficiently and under standardized conditions, the magnitude of vibration at the handles of portable hand-held, internal-combustion-engine-powered forestry and garden machines including chain-saws, brush-cutters, grass-trimmers, pole-mounted powered pruners, hedge trimmers and garden blowers. Although the magnitudes measured are obtained in an artificial operation, they nevertheless give an indication of the values to be found in a real work situation.

Keel en

Asendab EVS-EN ISO 22867:2008

**67 TOIDUAINETE TEHNOLOOGIA****EN 1678:1999/FprA1**

Identne EN 1678:1998/FprA1:2009  
Tähtaeg 29.01.2010

**Toidutöötlemismasinad. Köögiviljade lõikamismasinad. Ohutus- ja hügieeninõuded**

Käesolev standard kirjeldab ohutus- ja hügieeninõudeid transporditava ja vähem kui 3 kW maksimaalse nimivõimsusega köögiviljade lõikamismasinade projekteerimiseks ja valmistamiseks. Standard ei rakendu kodumajapidamises kasutatavatele masinatele.

Keel en

**EN 12267:2003/FprA1**

Identne EN 12267:2003/FprA1:2009  
Tähtaeg 29.01.2010

**Toidutöötlemismasinad. Ketassaed. Ohutus- ja hügieeninõuded**

This European Standard specifies requirements for the design and manufacturing of circular saw machines (see Figures 1 and 2). The machines covered by this European Standard are used to cut bone and meat

Keel en

**EN 12268:2003/FprA1**

Identne EN 12268:2003/FprA1:2009  
Tähtaeg 29.01.2010

**Toidutöötlemismasinad. Lintsagimismasinad. Ohutus- ja hügieeninõuded**

This European Standard specifies requirements for the design and manufacturing of band saw machines (see Figures 1 to 5). The machines covered by this European Standard are used to cut bone and meat

Keel en

**EN 13208:2003/FprA1**

Identne EN 13208:2003/FprA1:2009

Tähtaeg 29.01.2010

**Toidutöötlemismasinaid. Kõõgiviljakoorijad. Ohutus- ja hügieeninõuded**

This European standard specifies the safety and hygiene requirements for the design and manufacture of vegetable peelers used in the commercial and institutional catering industry, and in food shops. The machines concerned by this standard are designed to peel different sorts of vegetables and tubers such as potatoes, carrots, salsify, turnips, celery and onions

Keel en

**prEN ISO 12966-2**

Identne prEN ISO 12966-2:2009

ja identne ISO/DIS 12966-2:2009

Tähtaeg 29.01.2010

**Animal and vegetable fats and oils - Gas chromatography of fatty acid methyl esters - Part 2: Preparation of methyl esters of fatty acids**

This International Standard specifies methods of preparing the methyl esters of fatty acids. It includes methods for preparing fatty acid methyl esters from animal and vegetable fats and oils, fatty acids and soaps. To cover different requirements four methylation methods are specified, namely: - a 'rapid' transmethylation procedure under alkaline conditions (see clause 4.2); - a 'general' transmethylation/methylation procedure under sequential alkaline and acid conditions (see clause 4.3); - a BF<sub>3</sub> transmethylation procedure (see clause 4.4); and - an alternative procedure using acid-catalysed transmethylation of glycerides (see clause 4.5) Methyl esters so produced are used in various analytical procedures requiring such derivatives, for example gas liquid chromatography (GC), thin-layer chromatography (TLC) and infrared spectrometry (IR).

Keel en

Asendab EVS-EN ISO 5509:2000

**71 KEEMILINE TEHNOLOOGIA****FprEN ISO 2871-1**

Identne FprEN ISO 2871-1:2009

ja identne ISO/FDIS 2871-1:2009

Tähtaeg 29.01.2010

**Pindaktiivsed ained. Pesemisvahendid (detergendid). Katioonaktiivse aine sisalduse määramine. Osa 1: Kõrge molekulmassiga katioonaktiivne aine**

This part of ISO 2871 specifies a method for the determination of low-molecular-mass cationic-active materials such as monoamines, amine oxides, quaternary ammonium compounds and alkyipyridinium salts which have a main chain of 10 to 22 carbon atoms and not more than 6 other carbon atoms in the cation. The method is also suitable for other cationic-active materials. The method is applicable to solids or to aqueous solutions of the active material when the relative molecular mass of the cationic-active matter is known or when it has been previously determined if its content is expressed as a percentage by mass. If more than one type of cationic-active material is present, an estimate of average relative molecular mass may be used. The method is not applicable if anionic and/or amphoteric surface active agents are present.

Keel en

Asendab EVS-EN ISO 2871-1:2000

**FprEN ISO 2871-2**

Identne FprEN ISO 2871-2:2009

ja identne ISO/FDIS 2871-2:2009

Tähtaeg 29.01.2010

**Pindaktiivsed ained. Pesemisvahendid. Katioonaktiivse aine sisalduse määramine. Osa 2: Madala molekulmassiga katioonaktiivne aine**

This part of ISO 2871 specifies a method for the determination of high-molecular-mass cationic-active materials such as a) quaternary ammonium compounds in which two of the alkyl groups each contain 10 or more carbon atoms, e.g. distearyl-dimethylammonium chlorides, or b) salts of imidazoline or 3-methylimidazoline in which long-chain acylaminoethyl and alkyl groups are substituted in the 1- and 2-positions, respectively. The method is applicable to solids or to aqueous solutions of the active material when the relative molecular mass of the cationic-active matter is known or when it has been previously determined if its content is expressed as a percentage by mass. The method is not applicable if anionic surface active agents are present.

Keel en

Asendab EVS-EN ISO 2871-2:2000

**prEN 16003**

Identne prEN 16003:2009

Tähtaeg 29.01.2010

**Chemicals used for treatment of water intended for human consumption - Calcium magnesium carbonate**

This European Standard is applicable to calcium magnesium carbonate used for treatment of water intended for human consumption. It describes the characteristics of calcium magnesium carbonate and specifies the requirements and the corresponding test methods for calcium magnesium carbonate. It gives information on its use in water treatment.

Keel en

**prEN 16004**

Identne prEN 16004:2009

Tähtaeg 23.01.2010

**Chemicals used for treatment of water intended for human consumption - Magnesium oxide**

This European Standard is applicable to magnesium oxide used for treatment of water intended for human consumption. It describes the characteristics of magnesium oxide and specifies the requirements and the corresponding test methods for magnesium oxide. It gives information on its use in water treatment.

Keel en

**75 NAFTA JA NAFTATEHNOLOOGIA****EVS-EN 14214/prNA**

Tähtaeg 29.01.2010

**Mootorikütused. Rasvhapete metüülestrid (FAME) diiselmootorite jaoks. Nõuded ja katsemeetodid. Eesti standardi rahvuslik lisa**

Käesolev dokument on Euroopa standardi EN 14214:2008 Mootorikütused. Rasvhapete metüülestrid (FAME) diiselmootorite jaoks. Nõuded ja katsemeetodid. Eesti rahvuslik lisa. Käesolevat lisa tuleb kasutada koos standardiga EVS-EN 14214:2009.

Keel en

**FprEN 13398**

Identne FprEN 13398:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of the elastic recovery of modified bitumen**

This document specifies a method for the determination of the elastic recovery of bituminous binders in a ductilometer at the test temperature (typically 25 °C or 10 °C; other temperatures can be used). It is especially applicable to bituminous binders modified with thermoplastic elastomers, but can also be used with other bituminous binders which generate only small recovery. **WARNING** — The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13398:2004

**FprEN 13399**

Identne FprEN 13399:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of storage stability of modified bitumen**

This document specifies a method for measuring the storage stability at high temperatures. **NOTE** Modified bitumen and, in particular, polymer-modified bitumen, which consist of mainly bitumen and at least one additional agent, are known to display phase separation under certain conditions. **WARNING** — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13399:2004

**FprEN 13587**

Identne FprEN 13587:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of the tensile properties of bituminous binders by the tensile test method**

This document specifies a method for determining the tensile properties of a bituminous binder, in particular those of a polymer modified bitumen, by means of a tensile test. **NOTE** The tensile properties, more particularly the tensile stress, the elongation and energy, at the yield point and on fracture, are customarily used as a criterion for assessing the quality of these materials. **WARNING** — The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13587:2004

**FprEN 13632**

Identne FprEN 13632:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Visualisation of polymer dispersion in polymer modified bitumen**

This document specifies a method for visualisation of the polymer distribution in polymer modified bitumen by fluorescent microscopy. The method is applicable for most of the commercially used polymers, but before the method is used it should be examined whether the test is applicable for the actual polymer. The method should only be used for identification purposes, i.e. in connection with production control. NOTE Sample preparation and treatment have an important influence on the test results and it is essential to follow strictly the method described to achieve comparable results. WARNING — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13632:2004

**FprEN 13702**

Identne FprEN 13702:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of dynamic viscosity of modified bitumen by cone and plate method - Cone and plate method**

This document specifies a method for determining the dynamic viscosity of a modified bituminous binder over a range of temperatures by means of a cone and plate viscometer. Although the method has been developed for modified binders, it is also suitable for other bituminous binders. NOTE Unlike penetration grade bitumen, polymer modified bitumens (PMBs) may not show a straight line on the Heukelom-Diagram. This implies that in order to obtain information about the temperature susceptibility of PMBs, viscosity should be measured at different temperatures. WARNING — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13702-1:2004

**FprEN ISO 15544**

Identne FprEN ISO 15544:2009

ja identne ISO 15544:2000+Amd 1:2009

Tähtaeg 29.01.2010

**Petroleum and natural gas industries - Offshore production installations - Requirements and guidelines for emergency response**

This International Standard describes objectives, functional requirements and guidelines for emergency response (ER) measures on installations used for the development of offshore hydrocarbon resources. It is applicable to fixed offshore structures or floating production, storage and off-take systems. NOTE For mobile offshore units, the ER plans developed in conformance with the requirements and recommendations of the International Maritime Organization (IMO) are generally adequate for the normal, independent operation of the unit in most locations. The following aspects of ER planning are generally not addressed by IMO and should be specially considered: - area evacuation, e.g. precautionary evacuation in areas of tropical revolving storms; - combined operations wherein an integrated command and ER system should be developed; - arctic operations; - uncontrolled flow from a well.

Keel en

**FprEN ISO 20815**

Identne FprEN ISO 20815:2009

ja identne ISO 20815:2008

Tähtaeg 29.01.2010

**Nafta-, naftakeemia- ja maagaasitööstused. Tootmise tagamine ja töökindluse juhtimine**

This International Standard introduces the concept of production assurance within the systems and operations associated with exploration drilling, exploitation, processing and transport of petroleum, petrochemical and natural gas resources. This International Standard covers upstream (including subsea), midstream and downstream facilities and activities. It focuses on production assurance of oil and gas production, processing and associated activities and covers the analysis of reliability and maintenance of the components.

Keel en

Asendab EVS-EN ISO 20815:2008

**prEN 12405-2**

Identne prEN 12405-2:2009

Tähtaeg 29.01.2010

**Gas meters - Conversion devices - Part 2: Energy conversion**

Part 2 of this Standard specifies the requirements and tests for the construction, performance, safety and conformity of conversion devices used to determine energy of fuel gases, including those of the 1st and 2nd families according to EN 437. The energy conversion device considered in this standard consists of a calculator and is associated with one or more of the following devices and/or functions: - a volume conversion device or a flow computer used as gas meter conversion, either conforming to EN 12405-1, or to prEN 12405-3 for high accuracy energy measurement, - a calorific value determination device (CVDD). Requirements for type approval tests of the devices, not included in the above mentioned standards are described in appropriate annexes. For the purpose of this standard, the term "volume conversion devices" (VCDs) includes flow computers (FCs).

Keel en

**77 METALLURGIA****FprEN ISO 3923-1**

Identne FprEN ISO 3923-1:2009

ja identne ISO 3923-1:2009

Tähtaeg 29.01.2010

**Metallpulbrid. Näivtiheduse määramine. Osa 1: Kokkupressimismeetod**

This part of ISO 3923 specifies the funnel method for the determination of the apparent density of metallic powders under standardized conditions. The method is intended for metallic powders that flow freely through a 2,5 mm diameter orifice. It may, however, be used for powders that flow with difficulty through a 2,5 mm diameter orifice but flow through a 5 mm diameter orifice. Methods for the determination of the apparent density of powders that will not flow through a 5 mm diameter orifice are specified in ISO 3923-2.

Keel en

Asendab EVS-EN 23923-1:2000

**FprEN ISO 7625**

Identne FprEN ISO 7625:2009

ja identne ISO 7625:2006

Tähtaeg 29.01.2010

**Sintered metal materials, excluding hardmetals - Preparation of samples for chemical analysis for determination of carbon content**

This International Standard specifies methods for preparing a sample from one or more sintered parts of materials to be analysed for free or total carbon content. Combined carbon is determined as the difference between total and free carbon. This standard covers the preparation of samples for the determination of carbon by a chemical method, i.e. combustion in oxygen and measurement of the carbon dioxide produced, in accordance with ISO 437. It does not cover the preparation of samples for carbon determination by physical methods, such as metallography or spectroscopy.

Keel en

**FprEN ISO 2739**

Identne FprEN ISO 2739:2009

ja identne ISO 2739:2006

Tähtaeg 29.01.2010

**Metallkeraamilised puksid. Radiaalse purustustugevuse määramine**

This International Standard specifies a method of measuring the radial crushing strength of sintered metal parts in the form of hollow cylinders, commonly known as bushes. This method is applicable to sintered bushes composed of pure or alloyed metal powders.

Keel en

Asendab EVS-EN ISO 2739:2000

**FprEN ISO 3369**

Identne FprEN ISO 3369:2009

ja identne ISO 3369:2006

Tähtaeg 29.01.2010

**Hermeetilised metallkeraamilised materjalid ja kõvasulamid. Tiheduse määramine**

This International Standard specifies a method of determining the density of impermeable sintered metal materials and hardmetals.

Keel en

Asendab EVS-EN 23369:2000

**FprEN ISO 3738-1**

Identne FprEN ISO 3738-1:2009

ja identne ISO 3738-1:1982

Tähtaeg 29.01.2010

**Hardmetals - Rockwell hardness test (scale A) - Part 1: Test method (ISO 3738-1:1982)**

This part of ISO 3738 specifies the Rockwell hardness test (scale A) for hardmetals.

Keel en

**prEN 10216-1**

Identne prEN 10216-1:2009  
Tähtaeg 29.01.2010

**Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 1: Kindlaksmääratud toatemperatuuriliste omadustega süsinikterasest torud**

This Part of EN 10216 specifies the technical delivery conditions for two qualities TR1 and TR2 of seamless tubes of circular cross section with specified room temperature properties made of non-alloy quality steel.

Keel en

Asendab EVS-EN 10216-1:2002; EVS-EN 10216-1:2002/A1:2004

**prEN 10216-2**

Identne EN 10216-2:2002+A2:2007  
Tähtaeg 29.01.2010

**Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 2: Süsinik- ja legeerterasest kõrgendatud temperatuuriomadustega torud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10216-2:2002+A2:2007

**prEN 10216-3**

Identne prEN 10216-3:2009  
Tähtaeg 29.01.2010

**Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 3: Sulampeenterasestorud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, made of weldable alloyed fine grained steel.

Keel en

Asendab EVS-EN 10216-3:2002; EVS-EN 10216-3:2002/A1:2004

**prEN 10216-4**

Identne EN 10216-4:2002  
Tähtaeg 29.01.2010

**Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 4: Kindlaksmääratud madalatemperatuuriliste omadustega süsinik- ja sulamterasest torud**

This Part of EN 10216 specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section, with specified low temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10216-4:2002; EVS-EN 10216-4:2002/A1:2004

**prEN 10216-5**

Identne prEN 10216-5:2009  
Tähtaeg 29.01.2010

**Surveotstarbelised õmblusteta terastorud. Tehnilised tarnetingimused. Osa 5: Roostevabad terastorud**

This document specifies the technical delivery conditions in two test categories for seamless tubes of circular cross section made of austenitic (including creep resisting steel) and austenitic-ferritic stainless steel which are applied for pressure and corrosion resisting purposes at room temperature, at low temperatures or at elevated temperatures.

Keel en

Asendab EVS-EN 10216-5:2004; EVS-EN 10216-5:2004/AC:2008

**prEN 10217-4**

Identne prEN 10217-4:2009  
Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 4: Kindlaksmääratud madalatemperatuuriliste omadustega elekterkeevitusega süsinikterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

Keel en

Asendab EVS-EN 10217-4:2002; EVS-EN 10217-4:2002/A1:2005

**prEN 10217-1**

Identne prEN 10217-1:2009  
Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 1: Kindlaksmääratud toatemperatuuriliste omadustega süsinikterasest torud**

This Part of EN 10217 specifies the technical delivery conditions for two qualities TR1 and TR2 of welded tubes of circular cross section, made of non-alloy quality steel and with specified room temperature properties.

Keel en

Asendab EVS-EN 10217-1:2002; EVS-EN 10217-1:2002/A1:2005

**prEN 10217-2**

Identne prEN 10217-2:2009

Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 2: Kindlaksmääratud kõrgtemperatuuriliste omadustega elekterkeevitusega süsinik- ja sulamterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of electric welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10217-2:2002; EVS-EN 10217-2:2002/A1:2005

**prEN 10217-3**

Identne prEN 10217-3:2009

Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 3: Sulampeenterastorud**

This Part of EN 10217 specifies the technical delivery condition in two test categories for welded tubes of circular cross section, made of weldable alloy fine grain steel.

Keel en

Asendab EVS-EN 10217-3:2002; EVS-EN 10217-3:2002/A1:2005

**prEN 10217-5**

Identne prEN 10217-5:2009

Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 5: Kindlaksmääratud kõrgtemperatuuriliste omadustega metallkaarkeevitusega süsinik- ja sulamterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified elevated temperature properties, made of non-alloy and alloy steel.

Keel en

Asendab EVS-EN 10217-5:2002; EVS-EN 10217-5:2002/A1:2005

**prEN 10217-6**

Identne prEN 10217-6:2009

Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 5: Kindlaksmääratud madalatemperatuuriliste omadustega metallkaarkeevitusega süsinik- ja sulamterasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories of submerged arc welded tubes of circular cross section, with specified low temperature properties, made of non-alloy steel.

Keel en

Asendab EVS-EN 10217-6:2002; EVS-EN 10217-6:2002/A1:2005

**prEN 10217-7**

Identne prEN 10217-7:2009

Tähtaeg 29.01.2010

**Surveotstarbelised keevitatud terastorud. Tehnilised tarnetingimused. Osa 7: Roostevabast terasest torud**

This Part of EN 10217 specifies the technical delivery conditions in two test categories for welded tubes of circular cross-section made of austenitic and austenitic-ferritic stainless steel which are applied for pressure and corrosion resisting purposes at room temperature, at low temperatures or at elevated temperatures.

Keel en

Asendab EVS-EN 10217-7:2005

**81 KLAASI- JA KERAAMIKA-TÖÖSTUS****EN 13022-1:2006/FprA1**

Identne EN 13022-1:2006/FprA1:2009

Tähtaeg 29.01.2010

**Glass in building - Structural sealant glazing - Part 1: Glass products for structural sealant glazing systems for supported and unsupported monolithic and multiple glazing**

This European Standard specifies requirements for the suitability for use of supported and unsupported glass products for use in "Structural Sealant Glazing" (SSG) applications. Four schematic drawings of SSG systems are shown in Figure 1 and three section drawings of an SSG type II system are shown in Figure 2 for illustration purposes.

Keel en

**EN 13022-2:2006/FprA1**

Identne EN 13022-2:2006/FprA1:2009

Tähtaeg 29.01.2010

**Glass in building - Structural sealant glazing - Part 2: Assembly rules**

This European Standard deals with the assembling and bonding of glass elements in a frame, window, door or curtain walling construction, or directly into the building by means of structural bonding of the glass element into or onto framework or directly into the building.

Keel en

## 83 KUMMI- JA PLASTITÖÖSTUS

### prEN 16010

Identne prEN 16010:2009

Tähtaeg 29.01.2010

#### Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recyclates

This European Standard specifies a system for sampling procedures for testing plastics waste and recyclates which take into account the specifics of the plastics waste and recyclates. It is intended to cover all stages of the plastic recycling process. This standard is intended to serve two purposes: • To provide a guide to plastic recyclers and others that enables a calculation to be made of the risk of inaccuracy presented by a chosen sampling regime. This will help to inform decisions about sampling that may also be influenced by factors such as the supply record of a supplier or the reliability of a process. This is covered in Section 5. • To define the sampling procedures to be followed to characterise the material being sampled. These procedures may be followed where a particular level of accuracy is required, or where the sampling is in support of the resolution of a dispute. This is covered in Section 7 and Annex A. The sampling procedures include the statistical specifics of the plastic waste and the behaviour of recyclates.

Keel en

## 85 PABERITEHNOLOOGIA

### prEN ISO 12625-1

Identne prEN ISO 12625-1:2009

ja identne ISO/DIS 12625-1:2009

Tähtaeg 29.01.2010

#### Tissue paper and tissue products - Part 1: General guidance on terms

This part of ISO 12625 establishes general principles for the use of terms in the entire working field of tissue paper and tissue products. It permits the use of a common terminology in industry and commerce. It is expressly stated that the detection of impurities and contraries in tissue paper and tissue products should be applied according to ISO 15755. For the determination of moisture content in tissue paper and tissue products, ISO 287 should be applied.

Keel en

Asendab EVS-EN ISO 12625-1:2005

## 91 EHITUSMATERJALID JA EHITUS

### EN 115-1:2008/FprA1

Identne EN 115-1:2008/FprA1:2009

Tähtaeg 29.01.2010

#### Eskalaatorite ja sõidukonveierite ohutus. Osa 1: Valmistamine ja paigaldamine

1.1 This standard is applicable for new escalators and moving walks (pallet or belt type) as defined in Clause 3. This standard deals with all significant hazards, hazardous situations and events relevant to escalators and moving walks when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). 1.2 This standard does not deal with hazards arising from seismic activities. 1.3 This document is not applicable to escalators and moving walks which were manufactured before the date of its publication as EN. It is, however, recommended that existing installations be adapted to this standard.

Keel en

### EN 534:2006/FprA1

Identne EN 534:2006/FprA1:2009

Tähtaeg 29.01.2010

#### Gofreeritud bituumenpapp (ruberoid). Tootespetsifikatsioon ja katsemeetodid

This European Standard specifies the technical properties and establishes the test and inspection methods for finished corrugated bitumen sheets on leaving the factory. It also provides for the evaluation of conformity of products with the requirements of this standard.

Keel en

### EN 15368:2008/FprA1

Identne EN 15368:2008/FprA1:2009

Tähtaeg 29.01.2010

#### Hydraulic binder for non-structural applications: definition, specifications and conformity criteria

This European Standard applies to Hydraulic binder for non-structural applications in construction used as binder for preparation of mortar or masonry, rendering and plastering and other non structural construction products. This European Standard specifies the definition and composition of Hydraulic binder for non-structural applications (HB). It includes physical, mechanical and chemical requirements and defines strength classes. EN 15368 also states the conformity criteria and the related rules. Necessary durability requirements are also given.

Keel en

**FprEN 13111**

Identne FprEN 13111:2009

Tähtaeg 29.01.2010

**Flexible sheets for waterproofing - Underlays for discontinuous roofing and walls - Determination of resistance to water penetration**

This document specifies a method to test the resistance against water penetration of underlays for discontinuous roofing and for walls.

Keel en

Asendab EVS-EN 13111:2001

**FprEN 13398**

Identne FprEN 13398:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of the elastic recovery of modified bitumen**

This document specifies a method for the determination of the elastic recovery of bituminous binders in a ductilometer at the test temperature (typically 25 °C or 10 °C; other temperatures can be used). It is especially applicable to bituminous binders modified with thermoplastic elastomers, but can also be used with other bituminous binders which generate only small recovery. **WARNING** — The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13398:2004

**FprEN 13399**

Identne FprEN 13399:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of storage stability of modified bitumen**

This document specifies a method for measuring the storage stability at high temperatures. **NOTE** Modified bitumen and, in particular, polymer-modified bitumen, which consist of mainly bitumen and at least one additional agent, are known to display phase separation under certain conditions. **WARNING** — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13399:2004

**FprEN 13587**

Identne FprEN 13587:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of the tensile properties of bituminous binders by the tensile test method**

This document specifies a method for determining the tensile properties of a bituminous binder, in particular those of a polymer modified bitumen, by means of a tensile test. **NOTE** The tensile properties, more particularly the tensile stress, the elongation and energy, at the yield point and on fracture, are customarily used as a criterion for assessing the quality of these materials. **WARNING** — The use of this European Standard may involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13587:2004

**FprEN 13632**

Identne FprEN 13632:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Visualisation of polymer dispersion in polymer modified bitumen**

This document specifies a method for visualisation of the polymer distribution in polymer modified bitumen by fluorescent microscopy. The method is applicable for most of the commercially used polymers, but before the method is used it should be examined whether the test is applicable for the actual polymer. The method should only be used for identification purposes, i.e. in connection with production control. **NOTE** Sample preparation and treatment have an important influence on the test results and it is essential to follow strictly the method described to achieve comparable results. **WARNING** — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13632:2004

**FprEN 13702**

Identne FprEN 13702:2009

Tähtaeg 29.01.2010

**Bitumen and bituminous binders - Determination of dynamic viscosity of modified bitumen by cone and plate method - Cone and plate method**

This document specifies a method for determining the dynamic viscosity of a modified bituminous binder over a range of temperatures by means of a cone and plate viscometer. Although the method has been developed for modified binders, it is also suitable for other bituminous binders. NOTE Unlike penetration grade bitumen, polymer modified bitumens (PMBs) may not show a straight line on the Heukelom-Diagram. This implies that in order to obtain information about the temperature susceptibility of PMBs, viscosity should be measured at different temperatures. WARNING — The use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel en

Asendab EVS-EN 13702-1:2004

**FprEN 14224**

Identne FprEN 14224:2009

Tähtaeg 29.01.2010

**Flexible sheets for waterproofing - Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles - Determination of crack bridging ability**

This document describes a test method for determining the crack bridging ability of reinforced bitumen sheets used in waterproofing systems on concrete bridge decks and other areas of concrete trafficable by vehicles.

Keel en

Asendab EVS-EN 14224:2006

**FprEN 14315-2**

Identne FprEN 14315-2:2009

Tähtaeg 29.01.2010

**Thermal insulating products for buildings - In-situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products - Part 2: Specification for the installed insulation products**

This European Standard specifies requirements for in-situ formed sprayed rigid polyurethane (PUR) and polyisocyanurate foam (PIR) products when applied to walls, ceilings, roofs, suspended ceilings and floors. This European Standard is a specification for the installed insulation product. This European Standard also specifies the checks and test methods to be used for the declarations made by the installer of the product. This European Standard does not specify the required levels of all properties that should be achieved by a product to demonstrate fitness for purpose in a particular application. The required levels are to be found in regulations or non-conflicting standards. This European Standard does not cover factory made rigid polyurethane (PUR) or polyisocyanurate (PIR) foam insulation products or in-situ products intended to be used for the insulation of building equipment and industrial installations.

Keel en

**FprEN 14318-2**

Identne FprEN 14318-2:2009

Tähtaeg 29.01.2010

**Thermal insulating products for buildings - In-situ formed dispensed rigid polyurethane (PUR) and polyisocyanurate (PIR) foam products - Part 2: Specification for the installed insulation products**

This European standard specifies requirements for in-situ formed dispensed polyurethane foam (PUR) and polyisocyanurate foam (PIR) products when installed into cavity walls. This European Standard is a specification for the installed product. This European Standard also specifies the checks and test methods to be used for the declarations made by the installer of the product. This European Standard does not specify the required level of all properties to be achieved by a product to demonstrate fitness for purpose in a particular application. The required levels are to be found in regulations or non-conflicting standards. This European Standard does not include factory made rigid polyurethane (PUR) or polyisocyanurate (PUR) foam insulation products or in-situ products intended to be used for the insulation of building equipment and industrial installations.

Keel en

**FprEN 15599-2**

Identne FprEN 15599-2:2009

Tähtaeg 29.01.2010

**Ehituslikud ja töenduslikud soojusisolatsioonitooted. In situ paisutatud perliidist (EP) toodetest moodustatud soojusisolatsioon. Osa 2: Paigaldatud toodete spetsifikatsioon**

This European Standard specifies the requirement for expanded perlite products which are used for in-situ thermal insulation of building equipment and industrial installations with an operating temperature in the range of approximately -270 °C to +650 °C. This European Standard specifies the requirements for the four types of expanded perlite products, Perlite Aggregate (EPA), Coated Perlite (EPC), Hydrophobic Perlite (EPH) and Premixed Perlite (EPM), containing less than 1 % by mass organic material as determined by Annex C in prEN 15599-1. This European Standard is a specification for the installed products. This European Standard also specifies the checks and test procedures to be used for the declaration made by the installer of the product.

Keel en

**FprEN 16002**

Identne FprEN 16002:2009

Tähtaeg 29.01.2010

**Flexible sheets for waterproofing - Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing**

This document specifies a test method to determine the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing. The assessment is limited to the performance of the mechanically fastened flexible sheets only. The test method does not include the determination of the performance of the mechanical fastener and/or the combination of the mechanical fastener and the substrate.

Keel en

**prEN 13381-4**

Identne prEN 13381-4:2009

Tähtaeg 29.01.2010

**Katsemeetodid ehitise kandekonstruktsioonide tulepüsivuse määramiseks - Osa 4: Passiivse tulekaitse vahendid teraskonstruktsioonidele**

This part of this European standard specifies a test method for determining the contribution made by applied passive fire protection systems to the fire resistance of structural steel members, which can be used as beams or columns. It considers only sections without openings in the web. It is not directly applicable to structural tension members without further evaluation. Results from analysis of I or H -sections are directly applicable to angles, channels and T-sections for the same section factor, whether used as individual elements or as bracing. This standard does not apply to solid bar or rod.

Keel en

**prEN 15221-3**

Identne prEN 15221-3:2009

Tähtaeg 29.01.2010

**Facility Management - Part 3: Guidance how to achieve/ensure quality in Facility Management**

This European standard provides a guideline how to measure, achieve and improve quality in FM. It gives complementary guidelines to ISO 9000, ISO 9001 and EN 15221-2 within the framework of EN 15221-1. The standard provides a link into management methods and management theories.

Keel en

**prEN 15221-4**

Identne prEN 15221-4:2009

Tähtaeg 29.01.2010

**Taxonomy of Facility Management - Classification and Structures**

FM covers and integrates a very broad scope of processes, products / services, activities and facilities. The distinction between primary activities and support services is determined in EN 15221-1. The description and evaluation of processes to produce the facility products is the content of EN 15221-5. The quality of FM provisions is the content of EN 15221-3. The approach to FM in this standard is to consider the added value provided to the primary activities from a product perspective as recognized by the primary processes or core business in the organisation. The scope of this standard is also to provide standardised terms/definitions and to create a framework for benchmarking of FM activities across Europe. This standard therefore focuses on the concept of (classified) facility products by defining: a) relevant interrelationship of elements and their hierarchical structures; b) associated terms; c) principles for cost allocation; d) a framework for benchmarking.

Keel en

**prEN 15221-5**

Identne prEN 15221-5:2009

Tähtaeg 29.01.2010

**Facility Management - Part 5: Guidance on the development and improvement of processes**

This European standard provides guidance to FM organisations on the development and improvement of their processes to support the primary processes. The standard also sets out basic principles, describes high-level generic FM processes, lists strategic, tactical and operational processes and provides examples of process workflows. The standard is written from a primary processes, demand perspective for an audience of all stakeholders in FM processes.

Keel en

**prEN 15221-6**

Identne prEN 15221-6:2009

Tähtaeg 29.01.2010

**Facility Management - Part 6: Area and Space Measurement**

This Standard is applicable to Facility Management and covers area and space measurement for existing owned or leased buildings as well as buildings in state of planning or development. This standard presents a framework for measuring floor areas within buildings and plot areas. In addition, it contains clear terms and definitions as well as methods for measuring areas and spaces in buildings and/or parts of buildings, independent of their function. This standard establishes a common basis for planning and design, area and space management, financial assessment, as well as a tool for benchmarking.

Keel en

**93 RAJATISED****prEN 13146-1**

Identne prEN 13146-1:2009

Tähtaeg 29.01.2010

**Railway applications - Track - Test methods for fastening systems - Part 1: Determination of longitudinal rail restraint**

This part of EN 13146 specifies a laboratory test procedure to determine: a) the maximum longitudinal force that can be applied to a rail, secured to a sleeper, bearer or element of slab track by a rail fastening assembly, without non-elastic displacement of the rail occurring; or b) the longitudinal stiffness at a specified longitudinal displacement of a specimen of embedded rail with an adhesive fastening system.

Keel en

Asendab EVS-EN 13146-1:2003

**prEN 13146-2**

Identne prEN 13146-2:2009

Tähtaeg 29.01.2010

**Railway applications - Track - Test methods for fastening systems - Part 2: Determination of torsional resistance**

This part of EN 13146 specifies a laboratory test procedure to determine the moment necessary to rotate a rail, secured to a sleeper by a rail fastening assembly, through 1° in a plane parallel to the base of the rail. The value obtained can be used in track stability calculations. The test is not applicable to embedded rails. This test procedure applies to a complete fastening assembly.

Keel en

Asendab EVS-EN 13146-2:2003

**prEN 13146-3**

Identne prEN 13146-3:2009

Tähtaeg 29.01.2010

**Railway applications - Track - Test methods for fastening systems - Part 3: Determination of attenuation of impact loads**

This European Standard specifies laboratory test procedures for applying an impact to a rail fastened to a concrete sleeper or bearer which simulates the impact loading caused by traffic on railway tracks and measuring the strain induced in the sleeper. They are used for comparing the attenuation of impact loads on concrete sleepers or bearers by different rail pads. A reference procedure and alternative procedure are included. These test procedures apply to a complete fastening assembly.

Keel en

Asendab EVS-EN 13146-3:2003

**prEN 13146-4**

Identne prEN 13146-4:2009

Tähtaeg 29.01.2010

**Railway applications - Track - Test methods for fastening systems - Part 4: Effect of repeated loading**

This part of this European Standard specifies a laboratory test procedure for applying repeated displacement cycles representative of the displacements caused by traffic on railway track. It is used for assessing the long term performance of direct fastening systems. This test procedure applies to a complete fastening assembly.

Keel en

Asendab EVS-EN 13146-4:2003; EVS-EN 13146-4:2003/A1:2006

**prEN 13146-5**

Identne prEN 13146-5:2009

Tähtaeg 29.01.2010

**Railway applications - Track - Test methods for fastening systems - Part 5: Determination of electrical resistance**

This European Standard specifies a laboratory test procedure for determining the electrical resistance, in wet conditions, between the running rails provided by a fastening system fitted to a steel or concrete sleeper, bearer or element of slab track. This test procedure applies to a complete fastening assembly. It is relevant to signalling currents, not to traction currents.

Keel en

Asendab EVS-EN 13146-5:2003

**prEN 13146-6**

Identne prEN 13146-6:2009

Tähtaeg 29.01.2010

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

This European Standard specifies a laboratory test procedure for finding the effect of exposure to severe environmental conditions on the fastening system. This test procedure applies to a complete fastening assembly. It is not applicable to adhesive fastening systems for embedded rail.

Keel en

Asendab EVS-EN 13146-6:2002

**prEN 13146-7**

Identne prEN 13146-7:2009  
Tähtaeg 29.01.2010

**Railway applications - Track - Test methods for fastening systems - Part 7: Determination of clamping force**

This part of EN 13146 specifies laboratory test procedures for determining the clamping force exerted by the fastening system on the foot of a rail by measuring the force to separate the rail foot from its immediate support. They are applicable to systems with and without baseplates on all types of sleepers, bearers and elements of slab track. The test does not determine the security of fastening components fixed into the sleeper or other fastening system support. This test procedure applies to a complete fastening assembly.

Keel en

Asendab EVS-EN 13146-7:2003

**prEN 13146-8**

Identne prEN 13146-8:2009  
Tähtaeg 29.01.2010

**Raudteealased rakendused. Rööpad. Katsemeetodid kinnitussüsteemidele. Osa 8: Ekspluatatsioonikatsed**

This Part of this European Standard specifies a procedure for the comparative testing of fastening systems in track. The test procedure is applicable to fastening systems which in all other respects comply with prEN 13481 Parts 2-7. This test applies to complete fastening assemblies. It is only to be used for comparative testing of such fastening systems installed at the same time on the type of support for which they are intended

Keel en

Asendab EVS-EN 13146-8:2002/A1:2006; EVS-EN 13146-8:2002

**prEN ISO 22476-9**

Identne prEN ISO 22476-9:2009  
ja identne ISO/DIS 22476-9:2009  
Tähtaeg 29.01.2010

**Geotechnical investigation and testing - Field testing - Part 9: Field vane test**

This part of ISO 22476 specifies requirements for investigations of soil by the field vane test within the scope of the geotechnical investigations according to EN 1997-2. This part of ISO 22476 covers the field vane test used in cohesive soils for the determination of the undrained peak and remoulded shear strength and the sensitivity of the soil.

Keel en

**97 OLME. MEELELAHUTUS. SPORT****EN 12921-1:2005/FprA1**

Identne EN 12921-1:2005/FprA1:2009  
Tähtaeg 29.01.2010

**Masinate tööstuslike detailide pindade puhastamiseks ja eeltöötlemiseks vedelike või aurude abil. Osa 1: Üldised ohutusnõuded**

This standard applies to machines for surface cleaning and pre-treatment – in the following called "cleaning machines" – of industrial items using liquids or vapours, i. e. stationary machines and related equipment for automated and manual cleaning and pre-treatment processes.

Keel en

**EN 15619:2008/FprA1**

Identne EN 15619:2008/FprA1:2009  
Tähtaeg 29.01.2010

**Rubber or plastic coated fabrics - Safety of temporary structures (tents) - Specification for coated fabrics intended for tents and related structures**

This European Standard specifies the characteristics, requirements and test methods for coated fabric intended for mobile, temporary installed tents (see 3.3) and related structures. Plastic film and material other than coated fabrics are not covered by this European Standard.

Keel en

**FprEN 60335-2-53**

Identne EN 60335-2-53:2003  
ja identne IEC 60335-2-53:2002  
Tähtaeg 29.01.2010

**Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins**

This International Standard deals with the safety of electric sauna heating appliances and infrared emitting units having a rated power input not exceeding 20 kW, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. The appliances covered by this standard are intended for use in the home and in public saunas located in blocks of flats, hotels and similar locations.

Keel en

Asendab EVS-EN 60335-2-53:2003; EVS-EN 60335-2-53:2003/A1:2007

**prEN 1729-2**

Identne prEN 1729-2:2009

Tähtaeg 29.01.2010

**Mööbel. Haridusasutuste toolid ja laudad. Osa 2: Ohutusnõuded ja katsemeetodid**

Standardi EN 1729 käesolev osa määrab kindlaks haridusasutustes üldhariduslikel eesmärkidel kasutatavate toolide ja laudade ohutusnõuded ja katsemeetodid. Standard ei rakendu arvutiga seotud ja eriotstarbelistele töökohtadele, nt bürood, laboratooriumid, ridaistmed, töökojad ja projekteerimis- ning tehnoloogilised töökohad.

Keel en

Asendab EVS-EN 1729-2:2007

**prEN 13451-3**

Identne prEN 13451-3:2009

Tähtaeg 29.01.2010

**Swimming pool equipment - Part 3: Additional specific safety requirements and test methods for pool fittings for water treatment purposes**

This part of EN 13451 specifies safety requirements and test methods for inlets and outlets and water/air based water leisure features involving water movement, in addition to the general safety requirements of prEN 13451-1:2009. The requirements of this specific standard take priority over those in prEN 13451-1:2009 This part of EN 13451 is applicable to: - swimming pool equipment designed for- the introduction and/or extraction of water for treatment or leisure purposes - the introduction of air for leisure purposes - water leisure features involving the movement of water

Keel en

Asendab EVS-EN 13451-3:2001

**prEN 15186**

Identne prEN 15186:2009

Tähtaeg 29.01.2010

**Mööbel. Pinna kraapekindluse määramine**

This European Standard specifies a method for the assessment of the surface resistance to penetrating scratch and relates to rigid surfaces of all finished products regardless of materials. It does not apply to finishes on leather and fabrics. Method A is suitable for all types of surface coatings and coverings except for melamine faced and HPL. It simulates measurable penetrating and/or deforming scratches. Method B is suitable for all types of surface. It simulates first visible scratches which may only be a change of gloss. The test is intended to be carried out on a part of finished furniture, but can be carried out on test panels of the same material, finished in an identical manner to the finished product, and of a size sufficient to meet the requirements of the test. It is essential that the test be carried out on unused surfaces.

Keel en

Asendab CEN/TS 15186:2005