

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

#### **EN 13707:2004/prA2**

Identne EN 13707:2004/prA2:2008

Tähtaeg 1.03.2009

#### **Elastsed niiskisolatsioonimaterjalid. Sarrustatud bituumenpapp katuse niiskisolatsiooniks. Määratlused ja omadused**

This European Standard specifies definitions and characteristics for flexible reinforced bitumen sheets for which the intended use is roofing. This covers sheets used as top layers, intermediate layers and underlayers. It does not cover reinforced bitumen sheets for waterproofing used as underlays for discontinuous roofing. It does not cover waterproofing sheets which are intended to be used fully bonded under bituminous products (e.g. asphalt) directly applied at high temperature, specified by prEN 14695.

Keel en

#### **prEN 1555-1**

Identne prEN 1555-1:2008

Tähtaeg 1.03.2009

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

This part of EN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword) it is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-1:2003

#### **prEN 15878**

Identne prEN 15878:2008

Tähtaeg 1.03.2009

#### **Steel static storage systems - Adjustable pallet racking - Terms and definitions**

This standard classifies steel storage systems and defines their terms as well as basic components and accessories.

Keel en

#### **prEN ISO 1043-1**

Identne prEN ISO 1043-1:2008

ja identne ISO/DIS 1043-1:2008

Tähtaeg 1.03.2009

#### **Plastid. Tähisid ja terminilühendid. Osa 1: Põhipolümeerid ja nende eritunnused**

This part of ISO 1043 provides abbreviated terms for the basic polymers used in plastics, symbols for components of these terms, and symbols for special characteristics of plastics. It includes only those abbreviated terms that have come into established use and its aim is both to prevent the occurrence of more than one abbreviated term for a given plastic and to prevent a given abbreviated term being interpreted in more than one way.

Keel en

Asendab EVS-EN ISO 1043-1:2002

#### **prEN ISO 19146**

Identne prEN ISO 19146:2008

ja identne ISO/DIS 19146:2008

Tähtaeg 1.03.2009

#### **Geographic information - Cross-domain vocabularies**

This International Standard defines a methodology for cross-mapping technical vocabularies that have been adopted by industry-specific geospatial communities. It also specifies an implementation of ISO 19135 (Geographic information — Procedures for item registration) for the registration of geographic information concepts for the purpose of integrating multiple domain-based vocabularies. Methodologies for the development of ontologies and taxonomies that relate to geographic information and geomatics are not within the scope of this International Standard.

Keel en

**03 TEENUSED. ETTEVÖTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA****prEN ISO 24534-1**

Identne prEN ISO 24534-1:2008  
 ja identne ISO/DIS 24534-1:2008  
 Tähtaeg 1.03.2009

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

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for: - electronic identification of local and foreign vehicles by national authorities; - vehicle manufacturing, in-life maintenance and end-of-life identification (vehicle life cycle management); - adaptation of vehicle data (e.g. for international resales); - safety-related purposes; - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 provides an overview of the ERI system concept, in terms of the onboard vehicle components and the external off-vehicle components required for an operational system. The detailed requirements are defined in the Parts 2, 3, 4 and 5 of ISO 24534 and for the more limited, relevant provisions of ISO 24535.

Keel en

Asendab CEN ISO/TS 24534-1:2007

**prEN ISO 24534-2**

Identne prEN ISO 24534-2:2008  
 ja identne ISO/DIS 24534-2:2008  
 Tähtaeg 1.03.2009

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

This part of ISO/TS 24534 provides the requirements for electronic registration that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for: - electronic identification of local and foreign vehicles by national authorities; - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management); - adaptation of vehicle data (e.g. for international resales); - safety-related purposes; - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of ISO/TS 24534 defines the operational requirements for the remaining parts of ISO/TS 24534 and the more limited but relevant provisions of ISO 24535. Whilst the definition of the organizational framework required to implement, operate and maintain an ERI system is outside the scope of this part of ISO/TS 24534, a list of potential stakeholders in the public and private sector has been included.

Keel en

Asendab CEN ISO/TS 24534-2:2008

**prEN ISO 24534-3**

Identne prEN ISO 24534-3:2008  
 ja identne ISO/DIS 24534-3:2008  
 Tähtaeg 1.03.2009

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

This part of ISO/TS 24534 provides the requirements for an Electronic Registration Identification (ERI) that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities), suitable to be used for: - electronic identification of local and foreign vehicles by national authorities, - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management), - adaptation of vehicle data, e.g. in case of international re-sales,

Keel en

Asendab CEN ISO/TS 24534-3:2008

**prEN ISO 24534-4**

Identne prEN ISO 24534-4:2008  
 ja identne ISO/DIS 24534-4:2008  
 Tähtaeg 1.03.2009

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

This part of EN ISO 24534 provides the requirements for an Electronic Registration Identification (ERI) that is based on an identifier assigned to a vehicle (e.g. for recognition by national authorities) suitable to be used for: - electronic identification of local and foreign vehicles by national authorities, - vehicle manufacturing, in-life-maintenance and end-of-life identification (vehicle life cycle management), - adaptation of vehicle data, e.g. in case of international re-sales, - safety-related purposes, - crime reduction, and - commercial services. It adheres to privacy and data protection regulations. This part of EN ISO 24534 specifies the interfaces for a secure exchange of data between an ERT and an ERI reader or ERI writer in or outside the vehicle using asymmetric encryption techniques.

Keel en

Asendab CEN ISO/TS 24534-4:2008

## 07 MATEMAATIKA. LOODUSTEADUSED

### prEN ISO 19146

Identne prEN ISO 19146:2008

ja identne ISO/DIS 19146:2008

Tähtaeg 1.03.2009

#### Geographic information - Cross-domain vocabularies

This International Standard defines a methodology for cross-mapping technical vocabularies that have been adopted by industry-specific geospatial communities. It also specifies an implementation of ISO 19135 (Geographic information — Procedures for item registration) for the registration of geographic information concepts for the purpose of integrating multiple domain-based vocabularies. Methodologies for the development of ontologies and taxonomies that relate to geographic information and geomatics are not within the scope of this International Standard.

Keel en

## 11 TERVISEHOOLDUS

### EN 285:2006/prA2

Identne EN 285:2006/prA2:2008

Tähtaeg 1.03.2009

#### Steriliseerimine. Aursterilisaatorid. Suured sterilisaatorid

1.1 This European Standard specifies requirements and the relevant tests for large steam sterilizers primarily used in health care for the sterilization of medical devices and their accessories contained in one or more sterilization modules. The test loads described in this European Standard are selected to represent the majority of loads (i.e. wrapped goods consisting of metal, rubber and porous materials) for the evaluation of general purpose steam sterilizer for medical devices. However, specific loads (e.g. heavy metal objects or long and/or narrow lumen) will require the use of other test loads. Large steam sterilizers can also be used during the commercial production of medical devices. 1.2 This European Standard is not applicable to steam sterilizers designed to process a size of load less than one sterilization module or having a chamber volume less than 60 l. 1.3 This European Standard does not describe a quality assurance system for the control of all stages of the manufacture of the sterilizer. NOTE Attention is drawn to the standards for quality management systems e.g. EN ISO 13485. 1.4 Planning and design of products applying to this European Standard should consider the environmental impact from the product during its life cycle. Environmental aspects are addressed in Annex A. NOTE Additional aspects of environmental impact are addressed in EN ISO 14971.

Keel en

### EN 1422:1999/prA1

Identne EN 1422:1997/prA1:2008

Tähtaeg 1.03.2009

#### Sterilisaatorid meditsiiniliseks otstarbeks. Etüleenoksiidsterilisaatorid. Nõuded ja katsemeetodid

Käesolev standard määrab kindlaks eksploatatsiooninõuete miinimumi ja esitab testimismeetodid kaht tüüpi sterilisaatoritele, mis kasutavad sterilandina gaasilist etüleenoksiidi kas puhta gaasi kujul või segus teiste gaasidega (hangitud kas valmissegatult või segatud kasutuskohal) ajutiselt isoleeritavas kambris.

Keel en

### EN 12006-2:1999/prA1

Identne EN 12006-2:1998/prA1:2008

Tähtaeg 1.03.2009

#### Mitteaktiivsed kirurgilised implantaadid. Erinõuded südame- ja soonteimplantaatidele. Osa 2: Soonteproteesid, k.a. südameklapi suistikud

Käesolev standard kirjeldab nõudeid sünteetilise või bioloogilise päritoluga vaskulaarsetele ehk soonteproteesidele, k.a. südameklapisuistikud, mis on ette nähtud inimestel südame-veresoonkonna süsteemis ühendusteede asendamiseks, taastamiseks, möödavoolutee või untide moodustamiseks. Käesolev standard ei kehti inimese enda kudetest pärit transplantaatide (autotransplantaatide) kohta.

Keel en

### EN 12006-3:1999/prA1

Identne EN 12006-3:1998/prA1:2008

Tähtaeg 1.03.2009

#### Mitteaktiivsed kirurgilised implantaadid. Erinõuded südame- ja soonteimplantaatidele. Osa 3: Soonesisesed vahendid

Käesolev standard esitab erinõuded endovaskulaarsetele ehk soonesisestele vahenditele.

Keel en

### EN 13060:2004/prA1

Identne EN 13060:2004/prA1:2008

Tähtaeg 1.03.2009

#### Väikesemahulised aurusterilisaatorid

This European Standard specifies the performance requirements and test methods for small steam sterilizers and sterilization cycles which are used for medical purposes or for materials that are likely to come into contact with blood or body fluids.

Keel en

**EN 14180:2003/prA1**

Identne EN 14180:2003/prA1:2008

Tähtaeg 1.03.2009

**Meditsiinilised steriliseerijad. Madaltemperatuuriga auru ja formaldehüüdi kasutavad steriliseerijad. Nõuded ja katsetamine**

This European Standard specifies requirements and tests for LTSF sterilizers, which use a mixture of low-temperature steam and formaldehyde as sterilizing agent, and which are working below ambient pressure only

Keel en

**prEN ISO 5840**

Identne prEN ISO 5840:2008

ja identne ISO 5840:2005

Tähtaeg 1.03.2009

**Südame-veresoonkonna implantaadid. Südameklapiproteesid**

1.1 This International Standard is applicable to all devices intended for implantation in human hearts, as a heart valve substitute.

1.2 This International Standard is applicable to both newly developed and modified heart valve substitutes and to the accessory devices, packaging and labelling required for their implantation and for determining the appropriate size of heart valve substitute to be implanted.

Keel en

Asendab EVS-EN ISO 5840:2006

**prEN ISO 7197**

Identne prEN ISO 7197:2008

ja identne ISO 7197:2006+Cor 1:2007

Tähtaeg 1.03.2009

**Neurokirurgilised imolantaadid. Steriilsed ühekordsed neurotsefaalia šundid ja komponendid**

This International Standard specifies safety and performance requirements for sterile, single-use non-active hydrocephalus shunts and components. This includes the components used in shunts, like valves, tubes and reservoirs. This International Standard gives no recommendation concerning the superiority of a certain type of valve. For manufacturing, it defines the mechanical and technical requirements. This International Standard defines the technical information of the valve, to be given by the manufacturer. In respect to the different principles of the valve types, specific characteristics are defined for each group as declared by the manufacturer.

Keel en

Asendab EVS-EN ISO 7197:2006

**prEN ISO 7439**

Identne prEN ISO 7439:2008

ja identne ISO 7439:2002

Tähtaeg 1.03.2009

**Vasktöölusega emakasisesed kontraseptiivid. Nõuded, katsetamine**

This standard applies to single-use copper-containing contraceptive intrauterine devices and their insertion instruments.

Contraceptive intrauterine devices consisting only of a plastics body and contraceptive intrauterine devices whose primary purpose is to release progestogens are not included in the scope of this standard.

Keel en

Asendab EVS-EN ISO 7439:2002

**prEN ISO 8536-2**

Identne prEN ISO 8536-2:2008

ja identne ISO/DIS 8536-2:2008

Tähtaeg 1.03.2009

**Infusion equipment for medical use - Part 2: Closures for infusion bottles**

This part of ISO 8536 specifies the shape, dimensions, material, performance requirements and labelling of closures for infusion bottles as specified in ISO 8536-1. The dimensional requirements are not applicable to barrier-coated closures. Closures specified in this part of ISO 8536 are intended for single use only.

Keel en

Asendab EVS-EN ISO 8536-2:2003

**prEN ISO 9713**

Identne prEN ISO 9713:2008

ja identne ISO 9713:2002

Tähtaeg 1.03.2009

**Neurokirurgilised implantaadid. Iseulguvad intrakraniaalsed aneurüsmiklambrid**

This International Standard describes characteristics of self-closing aneurysm clips intended for permanent intracranial implantation and specifies requirements for their marking, packaging, sterilization and for labelling and accompanying documentation. In addition it gives a method for the measurement of closing force. This International Standard is not applicable to malleable clips, or clips intended to be used during the course of surgery and removed before wound closure (temporary clips).

Keel en

Asendab EVS-EN ISO 9713:2004

**prEN ISO 10555-1**

Identne prEN ISO 10555-1:2008

ja identne ISO 10555-1:1995+Amd 1:1999+Amd 2:2004

Tähtaeg 1.03.2009

**Sterilised ühekordselt kasutatavad intravaskulaarsed (soonesised) kateetrid. Osa 1: Üldnõuded**

Standardi käesolev osa esitab üldnõuded mis tahes rakenduseks ettenähtud intravaskulaarsetele (soonesisestele) kateetritele, mis on hangitud steriilsetena ja ette nähtud ühekordseks kasutamiseks.

Keel en

Asendab EVS-EN ISO 10555-1:1999

**prEN ISO 10993-11**

Identne prEN ISO 10993-11:2008

ja identne ISO 10993-11:2006

Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 11: Katsed süsteemse toksilisuse hindamiseks**

This part of ISO 10993 specifies requirements and gives guidance on procedures to be followed in the evaluation of the potential for medical device materials to cause adverse systemic reactions.

Keel en

Asendab EVS-EN ISO 10993-11:2006

**prEN ISO 10993-12**

Identne prEN ISO 10993-12:2008

ja identne ISO 10993-12:2007

Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 12: Proovieksemplari ettevalmistamine ja etalonained**

This part of ISO 10993 specifies requirements and gives guidance on the procedures to be followed in the preparation of samples and the selection of reference materials for medical device testing in biological systems in accordance with one or more parts of the ISO 10993 series. Specifically this part of ISO 10993 addresses: - test sample selection; - selection of representative portions from a device; - test sample preparation; - experimental controls; - selection of and requirements for reference materials; - preparation of extracts. This part of ISO 10993 is not applicable to materials or devices containing live cells.

Keel en

Asendab prEN ISO 10993-12

**prEN ISO 10993-14**

Identne prEN ISO 10993-14:2008

ja identne ISO 10993-14:2001

Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 14: Keraamika lagusaaduste identifitseerimine ja kvantifitseerimine**

This part of ISO 10993 specifies two methods of obtaining solutions of degradation products from ceramics(including glasses) for the purposes of quantification. It also gives guidance on the analysis of these solutions in order to identify the degradation products. Because of the generalized nature of this part of ISO 10993, productspecific standards, when available, that address degradation product formation under more relevant conditions of use, should be considered first. This part of ISO 10993 considers only those degradation products generated by a chemical dissociation of ceramics during in vitro testing. No degradation induced by mechanical stress or external energy is covered. It is noted that while ISO 6872 and ISO 9693 cover chemical degradation tests, they do not address the analysis of degradation products.

Keel en

Asendab EVS-EN ISO 10993-14:2002

**prEN ISO 10993-17**

Identne prEN ISO 10993-17:2008

ja identne ISO 10993-17:2002

Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 17: Aine eraldumise lubatud piirmäärade kehtestamine**

This part of ISO 10993 specifies a method for the determination of allowable limits for substances leachable from medical devices. It is intended for use in deriving standards and estimating appropriate limits where standards do not exist. It describes a systematic process through which identified risks arising from toxicologically hazardous substances present in medical devices can be quantified. This part of ISO 10993 is not applicable to devices that have no patient contact (e.g. in vitro diagnostic devices). Exposure to a particular chemical substance may arise from sources other than the device, such as food, water or air. This part of ISO 10993 does not address the potential for exposure from such sources.

Keel en

Asendab EVS-EN ISO 10993-17:2003

**prEN ISO 10993-18**

Identne prEN ISO 10993-18:2008

ja identne ISO 10993-18:2005

Tähtaeg 1.03.2009

**Meditsiiniseadmete bioloogiline hindamine. Osa 18. Materjalide keemiline iseloomustus**

This part of ISO 10993 describes a framework for the identification of a material and the identification and quantification of its chemical constituents. The chemical characterization information generated can be used for a range of important applications, for example: - As part of an assessment of the overall biological safety of a medical device (ISO 10993-1 and 14971). - Measurement of the level of a leachable substance in a medical device in order to allow the assessment of compliance with the allowable limit derived for that substance from health based risk assessment (ISO 10993-17). - Judging equivalence of a proposed material to a clinically established material. - Judging equivalence of a final device to a prototype device to check the relevance of data on the latter to be used to support the assessment of the former. - Screening of potential new materials for suitability in a medical device for a proposed clinical application.

Keel en

Asendab EVS-EN ISO 10993-18:2005

**prEN ISO 11138-2**

Identne prEN ISO 11138-2:2008

ja identne ISO 11138-2:2006

Tähtaeg 1.03.2009

**Bioloogilised süsteemid sterilisaatorite ja sterilisatsiooniprotsesside katsetamiseks. Osa 2: Spetsiaalsüsteemid kasutamiseks etüleenoksiidsterilisaatorites**

Käesolev standard esitab eksploatatsiooninõuded bioloogilistele indikaatoritele, mis on hangitud kasutusvalmina, ning kontrollorganismide suspensioonidele, mis on hangitud kas bioloogiliste indikaatorite valmistamiseks või vahendina külvamiseks ja mida kasutatakse etüleenoksiidil põhinevate sterilisatsiooniprotsesside usaldusväärsuse kontrollimisel.

Keel en

Asendab EVS-EN ISO 11138-2:2006

**prEN ISO 11138-3**

Identne prEN ISO 11138-3:2008

ja identne ISO 11138-3:2006

Tähtaeg 1.03.2009

**Bioloogilised süsteemid sterilisaatorite ja sterilisatsiooniprotsesside katsetamiseks. Osa 3: Spetsiaalsüsteemid kasutamiseks niiske kuumusega steriliseerivates sterilisaatorites**

Käesolev standard esitab eksploatatsiooninõuded bioloogilistele indikaatoritele, mis on hangitud kasutusvalmina, ning kontrollorganismide suspensioonidele, mis on hangitud kas bioloogiliste indikaatorite valmistamiseks või vahendina külvamiseks ja mida kasutatakse aurul põhinevate sterilisatsiooniprotsesside usaldusväärsuse kontrollimisel.

Keel en

Asendab EVS-EN ISO 11138-3:2006

**prEN ISO 11140-1**

Identne EN ISO 11140-1:2005

ja identne ISO 11140-1:2005

Tähtaeg 1.03.2009

**Tervishoiutoodete steriliseerimine. Keemilised näitajad. Osa 1: Üldised nõuded**

Käesolev standard esitab üldnõuded indikaatoritele, mis oma toimimises ei sõltu elavate organismide olemasolust või puudumisest ning mida kasutatakse, et jälgida ühe või mitme muutuva suuruse olemasolu või saavutatust, mis on nõutavad rahuldavaks sterilisatsiooniprotsessiks. Standard ei esita nõudeid bioloogiliste süsteemide kasutamiseks.

Keel en

Asendab EVS-EN ISO 11140-1:2005

**prEN ISO 11140-3**

Identne prEN ISO 11140-3:2008

ja identne ISO 11140-3:2007

Tähtaeg 1.03.2009

**Tervishoiutoodete steriliseerimine. Keemilised indikaatorid. Osa 3: 2.klassi kuuluvad indikaatorsüsteemid kasutamiseks Bowie ja Dick tüüpi auruläbivuskatsete teostamisel**

Käesolev standard esitab nõuded indikaatorile, mida kasutatakse aursterilisaatorite Bowie ja Dick'i testis sissemahitud asjade jaoks, nt. instrumendid ja poorsed materjalid. Indikaator selleks otstarbeks on B klassi indikaator, nagu on kirjeldatud käesoleva standardi osas 1.

Keel en

Asendab EVS-EN ISO 11140-3:2007/AC:2008; EVS-EN ISO 11140-3:2007

**prEN ISO 14602**

Identne prEN ISO 14602:2008

ja identne ISO 14602:1998

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Osteosünteesiks ettenähtud implantaadid. Erinõuded**

Standard esitab erinõuded osteosünteesiks ettenähtud mitteaktiivsetele kirurgilistele implantaatidele, millele siit alates viidatakse kui lihtsalt "implantaatidele".

Keel en

Asendab EVS-EN ISO 14602:1999

**prEN ISO 14607**

Identne prEN ISO 14607:2008

ja identne ISO 14607:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Rindade implantaadid. Erinõuded**

This International Standard specifies particular requirements for mammary implants for clinical practice. With regard to safety, this International Standard specifies requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer.

Keel en

Asendab EVS-EN ISO 14607:2007

**prEN ISO 14630**

Identne prEN ISO 14630:2008

ja identne ISO 14630:2008

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Üldnõuded**

Käesolev standard määratleb üldnõuded mitteaktiivsetele kirurgilistele implantaatidele. See standard ei ole rakendatav hambaimplantaatidele, hambataastusmaterjalidele, transendodontsetele ja transradikulaarsetele implantaatidele ning intraokulaarsetele läätsedele. Arvestades ohutusunõudeid, esitab see standard nõuded ja katsed kavatsatud toimingule, kavandi omadustele, materjalidele ja kavandi hinnangule, tootmisele, steriliseerimisele, pakendamisele ja tootja antavale informatsioonile.

Keel en

Asendab EVS-EN ISO 14630:2008

**prEN ISO 21534**

Identne prEN ISO 21534:2008

ja identne ISO 21534:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Liigest asendavad implantaadid. Erinõuded**

Käesolev standard esitab erinõuded liigest asendavatele täis- ja osaimplantaatidele, tehisliligamentidele ja luutsemendile, millele siit alates viidatakse kui lihtsalt "implantaatidele". Käesoleva standardi tarvis on tehisligamentid ja nendega seotud kinnitusvahendid mahutatud terminisse implantaadid ning siit alates on neile viidatud kui lihtsalt "implantaatidele".

Keel en

Asendab EVS-EN ISO 21534:2007

**prEN ISO 21535**

Identne prEN ISO 21535:2008

ja identne ISO 21535:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Liigeste asendusimplantaadid. Erinõuded puusaliigese asendusimplantaadile**

This International Standard provides specific requirements for hip joint replacement implants. With regard to safety, the standard gives requirements for intended performance, design attributes, materials, design valuation, manufacture, sterilization, packaging and information supplied by the manufacturer, and methods of test.

Keel en

Asendab EVS-EN ISO 21534:2007

**prEN ISO 21536**

Identne prEN ISO 21536:2008

ja identne ISO 21536:2007

Tähtaeg 1.03.2009

**Mitteaktiivsed kirurgilised implantaadid. Liigeste asendusimplantaadid. Erinõuded põlveliigese asendusimplantaadile**

This International Standard provides specific requirements for knee joint replacement implants. With regard to safety, this International Standard specifies requirements for intended performance, design attributes, materials, design evaluation, manufacture, sterilization, packaging, information supplied by the manufacturer and methods of test

Keel en

Asendab EVS-EN ISO 21536:2007

**prEN ISO 25539-1**

Identne prEN ISO 25539-1:2008

ja identne ISO 25539-1:2003+Amd 1:2005

Tähtaeg 1.03.2009

**Cardiovascular implants - Endovascular devices - Part 1: Endovascular prostheses**

1.1 This part of ISO 25539 specifies requirements for endovascular prostheses, based upon current medical knowledge. With regard to safety, it gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization packaging and information supplied by the manufacturer. It should be considered as a supplement to ISO 14630, which specifies general requirements for the performance of non-active surgical implants. 1.2 This part of ISO 25539 is applicable to endovascular prostheses used to treat arterial aneurysms, arterial stenoses, or other appropriate vascular abnormalities. 1.3 This part of ISO 25539 is applicable to delivery systems if they comprise an integral component of the deployment of the endovascular prostheses. 1.4 This part of ISO 25539 is not applicable to vascular occluders, with the exception of contra-lateral iliac occluders when used as an integral part of an aorto-uni-iliac device. See ISO 14630 for excluded products. 1.5 This part of ISO 25539 is not applicable to procedures and devices used prior to the introduction of the endovascular system (defined in 3.6), such as balloon angioplasty devices.

Keel en

**prEN ISO 25539-2**

Identne prEN ISO 25539-2:2008

ja identne ISO 25539-2:2008

Tähtaeg 1.03.2009

**Südame-veresoonekonna implantaadid. Soonesised vahendid. Osa 2: Arteriaalpingutid**

1.1 This part of ISO 25539 specifies requirements for vascular stents, based upon current medical knowledge. With regard to safety, it gives requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer. It should be considered as a supplement to ISO 14630, which specifies general requirements for the performance of non-active surgical implants.

Keel en

Asendab EVS-EN ISO 25539-2:2008

**13 KESKKONNA- JA TERVISEKAITSE. OHUTUS****EN 13034:2005/prA1**

Identne EN 13034:2005/prA1:2008

Tähtaeg 1.03.2009

**Protective clothing against liquid chemicals - Performance requirements for chemical protective suits offering limited protective performance against liquid chemicals (Type 6 equipment)**

This document specifies the minimum requirements for limited use and re-useable limited performance chemical protective clothing. Limited performance chemical protective clothing is intended for use in cases of a potential exposure to a light spray, liquid aerosols or low pressure, low volume splashes, against which a complete liquid permeation barrier (at the molecular level) is not required.

Keel en

**EN 14605:2005/prA1**

Identne EN 14605:2005/prA1:2008

Tähtaeg 1.03.2009

**Kaitseriietus kaitsmiseks vedelate kemikaalide eest. Vedelikukindlate (tüüp 3) või pritsmekindlate (tüüp 4) ühendustega riietusele, kaasa arvatud üksnes erinevaid kehaosi kaitsvad esemed, esitatavad toimimismõõded (Tüübid PB [3] ja PB [4])**

This European Standard specifies the minimum requirements for the following types of limited use and reusable chemical protective clothing: clothing with liquid-tight connections between different parts of the clothing (type 3: liquid-tight clothing) and, if applicable, with liquid-tight connections to component parts, such as hoods, gloves, boots, visors or respiratory protective equipment, which may be specified in other European Standards. Such garments are full-body protective clothing, such as one-piece coveralls or two-piece suits, with or without hood or visors, with or without boot-socks or overbooties, with or without gloves

Keel en

**EN 60335-1:2003/A13**

Identne EN 60335-1:2002/A13:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 1: Üldnõuded**

Deals with the safety of electrical appliances for household and similar purposes. It deals with the common hazards presented by appliances that are encountered by all persons in and around the home. It also covers appliances used by laymen in shops, in light industry and on farms (such as catering equipment, and industrial and commercial cleaning appliances). The rated voltage of the appliances are not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel en

**EN 60335-2-60:2003/FprAB**

Identne EN 60335-2-60:2003/FprAB:2008

Tähtaeg 1.03.2009

**Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas**

This standard deals with the safety of electric whirlpool baths for indoor use, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also applies to appliances for circulating air or water in conventional baths.

Keel en

**EN 60335-2-103:2003/FprAA**

Identne EN 60335-2-103:2003/FprAA:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded värvate, uste ja akende ajamitele**

Deals with the safety of electric drives for horizontally and vertically moving gates, doors and windows, their rated voltage being not more than 250 V for single phase and 480 V for other appliances, for household and similar purposes. Some examples of drives within the scope of this standard are folding doors, revolving doors, rolling doors, roof windows, sectional overhead doors, swinging and sliding gates and doors.

Keel en

**EN 60335-2-105:2005/FprAA**

Identne EN 60335-2-105:2005/FprAA:2008

Tähtaeg 1.03.2009

**Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele**

This standard applies to two-pole non-reversible cold condition appliance couplers for a.c. only, with a degree of protection against ingress of water higher than IPXO, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A for 50 Hz or 60 Hz supply. They are intended for the connection of the supply cord to portable electrical appliances of class II for household, commercial and light industrial use.

Keel en

**EN ISO 11161:2007/prA1**

Identne EN ISO 11161:2007/prA1:2008

ja identne ISO 11161:2007/DAM 1:2008

Tähtaeg 1.03.2009

**Masinate ohutus. Integreeritud tootmissüsteemid. Põhinõuded (ISO 11161:2007)**

This International Standard specifies the safety requirements for integrated manufacturing systems (IMS) that incorporate two or more interconnected machines for specific applications, such as component manufacturing or assembly. It gives requirements and recommendations for the safe design, safeguarding and information for the use of such IMSs (see Figure 1 for the basic configuration of an IMS).

Keel en

**FprEN 60832-1**

Identne FprEN 60832-1:2008

ja identne IEC 60832-1:200X

Tähtaeg 1.03.2009

**Live working - Insulating sticks and attachable devices - Part 1: Insulating sticks**

This part of IEC 60832 gives the essential requirements for insulating sticks for live working for use on a.c. electrical installations. Part 2 of IEC 60832 covers devices that can be attached onto and removed from the fitting of the insulating sticks as covered by Part 1.

Keel en

Asendab EVS-EN 60832:2008

**FprEN 60832-2**

Identne FprEN 60832-2:2008

ja identne IEC 60832-2:200X

Tähtaeg 1.03.2009

**Live working - Insulating sticks and attachable devices - Part 2: Attachable devices**

This part of IEC 60832 gives the essential requirements for devices that can be attached onto and removed from the fitting of the insulating sticks for live working as covered by Part 1, for use on a.c. electrical installations. Part 1 of IEC 60832 covers insulating sticks. In this part of the standard, the term "device" is used for "attachable device", unless otherwise specified.

Keel en

Asendab EVS-EN 60832:2008

**prEN 1147**

Identne prEN 1147:2008

Tähtaeg 1.03.2009

**Portable ladders for fire service use**

This European Standard specifies requirements, test methods and performance criteria for portable ladders for fire and rescue service use and associated purposes. Non-portable ladders for fire and rescue service use are excluded from this standard. NOTE For ladders for other uses see EN 131.

Keel en

Asendab EVS-EN 1147:2000

**prEN 13381-4**

Identne prEN 13381-4:2008

Tähtaeg 1.03.2009

**Test methods for determining the contribution to the fire resistance of structural members - Part 4: Applied passive protection products to steel members**

This part of this European Standard specifies a test method for determining the contribution made by applied fire protection systems to the fire resistance of structural steel members, which can be used as beams, columns or tension members. The evaluation is designed to cover a range of thicknesses of the applied fire protection material, a range of steel sections, characterized by their section factors, a range of design temperatures and a range of valid fire protection classification periods. This European Standard applies to fire protection materials where the gap between the material and the flange faces of the steel member is less than 5 mm in size. Otherwise, the test methods in EN 13381-1 or EN 13381-2, as appropriate, apply.

Keel en

**prEN 15767-3**

Identne prEN 15767-3:2008

Tähtaeg 1.03.2009

**Portable equipment for projecting extinguishing agents supplied by fire fighting pumps - Portable monitors - Part 3: Foam devices**

1.1 In addition to the requirements given in prEN 15767-1, this part of this European standard applies to devices designed for aspirating air and projecting low expansion foam and, in some cases, inducting foam concentrate. It specifies requirements for safety, performance, classification and designation, as well as test methods, instructions for use and maintenance and marking NOTE It is the responsibility of the operator to ensure that, when using a combination of foam device and monitor body that is not recommended by a manufacturer, the combination is stable and safe when in operation. 1.2 This European Standard is not applicable to foam devices which are manufactured before its date of publication.

Keel en

**prEN 15889**

Identne prEN 15889:2008

Tähtaeg 1.03.2009

**Fire-fighting hoses - Test methods**

This document details specific test methods for layflat, semi-rigid and suction fire fighting-hoses. The described test methods are recommended for standards for firefighting hoses. Applicable methods are to be selected and requirements and test values have to be defined in the relevant fire hose standards. Annex U (informative) lists the existing published ISO and or EN hose test methods standards that are specified within Fire hose standards.

Keel en

**prEN ISO 1182**

Identne prEN ISO 1182:2008

ja identne ISO/DIS 1182:2008

Tähtaeg 1.03.2009

**Reaction to fire tests for building and transport products - Non-combustibility test**

This International Standard specifies a method of test for determining the non-combustibility performance, under specified conditions, of homogeneous products and substantial components of non-homogeneous products. Information on the precision of the test method is given in annex A.

Keel en

Asendab EVS-EN ISO 1182:2002

**prEN ISO 1716**

Identne prEN ISO 1716:2008

ja identne ISO/DIS 1716:2008

Tähtaeg 1.03.2009

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

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

Keel en

Asendab EVS-EN ISO 1716:2002

**prEN ISO 9239-1**

Identne prEN ISO 9239-1:2008  
ja identne ISO/DIS 9239-1:2008  
Tähtaeg 1.03.2009

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

This International Standard specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames. Annex A gives details of assessing the smoke development, when required. This method is applicable to all types of flooring e.g. textile carpet, cork, wood, rubber and plastic coverings as well as coatings. Results obtained by this method reflect the performance of the flooring, including any substrate if used. Modifications of the backing, bonding to a substrate, underlay or other changes of the flooring may affect test results.

Keel en

Asendab EVS-EN ISO 9239-1:2002

**17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED****EN ISO 3822-3:1999/prA1**

Identne EN ISO 3822-3:1997/prA1:2008  
ja identne ISO 3822-3:1997/Damd1:2008  
Tähtaeg 1.03.2009

**Akustika. Veevarustussüsteemis kasutatavate armatuuri ja seadmete poolt tekitatava müra laborikatsed. Osa 3: Torustikus paiknevate ventiilide ja armatuuri paigaldamise ja kasutamise tingimused**

Standard kirjeldab torustikus paiknevate ventiilide ja armatuuri paigaldamise ja kasutamise tingimusi, kui mõõdetakse veevarustuspaigaldiste müra.

Keel en

**FprEN 61746-1**

Identne FprEN 61746-1:2008  
ja identne IEC 61746-1:200X  
Tähtaeg 1.03.2009

**Calibration of Optical Time-Domain Reflectometers (OTDR) - Part 1: OTDR for single-mode fibres**

This International Standard provides procedures for calibrating single-mode optical time domain reflectometers (OTDR). It only covers OTDR measurement errors and uncertainties. This standard does not cover correction of the OTDR response.

Keel en

Asendab EVS-EN 61746:2005

**FprEN 62059-32-1**

Identne FprEN 62059-32-1:2008  
ja identne IEC 62059-32-1:200X  
Tähtaeg 1.03.2009

**Electricity metering equipment - Dependability - Part 32-1: Durability - Testing of the stability of metrological characteristics by applying elevated temperature**

The stability of metrological characteristics is one important aspect of durability. This International Standard IEC 62059-32-1 specifies a method for testing the stability of metrological characteristics of electricity meters, by operating a test specimen at the upper limit of the specified operating range of temperature, voltage and current for an extended period. Functional performance other than the accuracy of energy measurement is out of the scope of this standard. Note, that from the results of this test, no conclusion can be drawn for the length of period during which the stability of the metrological characteristics will be maintained when the meter is operated under usual conditions. This International Standard is applicable to all types of electricity meters in the Scope of IEC

Keel en

**FprEN 62458**

Identne FprEN 62458:2008  
ja identne IEC 62458:200X  
Tähtaeg 1.03.2009

**Sound system equipment - Electroacoustic transducers - Measurement of large signal parameters**

This International Standard applies to transducers such as loudspeaker drive units, loudspeaker systems, headphones, micro-speakers, shakers and other actuators using either an electro-dynamical or electro-magnetic motor coupled with a mechanical suspension. The large signal behaviour of the transducer is modelled by a lumped parameter model considering dominant nonlinearities such as force factor, stiffness and inductance as shown in Figure 1. The standard defines the basic terms and parameters of the model, the methods of measurements and the way the results should be reported.

Keel en

**FprEN 62459**

Identne FprEN 62459:2008

ja identne IEC 62459:200X

Tähtaeg 1.03.2009

**Sound system equipment - Electroacoustic transducers - Measurement of suspension parts**

This International Standard applies to the suspension parts of electroacoustic transducers (for example, loudspeakers). It defines the parameters and measurement method to determine the properties of suspension parts like spiders, surrounds, diaphragms or cones before being assembled in the transducer. The measurement results are needed for engineering design purposes and for quality control. Furthermore, this method is intended to improve the correlation of measurements between suspension-part manufacturers and loudspeaker manufacturers. The measurement methods provides parameters based on linear and nonlinear modelling of the suspension part and uses both static and dynamic techniques.

Keel en

**prEN 1071-9**

Identne prEN 1071-9:2008

Tähtaeg 1.03.2009

**Advanced technical ceramics – Methods of test for ceramic coatings – Part 9: Determination of fracture strain**

This part of EN 1071 describes a method of measuring the fracture strain of ceramic coatings by means of uniaxial tension or compression tests coupled with acoustic emission to monitor the onset of cracking of the coating. Tensile or compressive strains can also be applied by flexure using four-point bending. Measurements can be made in favourable cases at elevated temperatures as well as at room temperature.

Keel en

Asendab CEN/TS 1071-9:2004

**21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD****FprEN 60684-3-280**

Identne FprEN 60684-3-280:2008

ja identne IEC 60684-3-280:200X

Tähtaeg 1.03.2009

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 280: Heat-shrinkable, polyolefin sleeving, anti-tracking**

This standard gives the requirements for Heat-shrinkable, polyolefin sleeving, anti-tracking with a nominal shrink ratio of 3:1. This sleeving has been found suitable for use at temperatures up to 100 °C Typically: medium wall, internal diameter up to 110 mm These sleeveings are normally supplied in the colours red or brown. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Annex A, Table 5, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

**FprEN 60684-3-281**

Identne FprEN 60684-3-281:2008

ja identne IEC 60684-3-281:200X

Tähtaeg 1.03.2009

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 281: Heat-shrinkable, polyolefin sleeving, semi conductive**

This standard gives the requirements for two types of heat-shrinkable, polyolefin sleeving, semi conductive with a nominal shrink ratio of 3:1. This sleeving has been found suitable up to temperatures of 100 °C Type A: Thin wall, internal diameter up to 195.0 mm typically. Type B: Medium wall, internal diameter up to 120.0 mm typically. These sleeveings are normally supplied in the colour black. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Annex A, Tables 3 and 4, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

**FprEN 60684-3-282**

Identne FprEN 60684-3-282:2008

ja identne IEC 60684-3-282:200X

Tähtaeg 1.03.2009

**Flexible insulating sleeving - Part 3: Specification for individual types of sleeving - Sheet 282: Heat-shrinkable, polyolefin sleeving, stress control**

This standard gives the requirements for two types of Heat-shrinkable, polyolefin sleeving, stress control, not flame retarded with a nominal shrink ratio up to 3:1. This sleeving has been found suitable for use up to temperatures of 100 °C Type A : Medium wall internal diameter up to 65,0 mm typically Type B : Thick wall internal diameter up to 95,0 mm typically These sleeveings are normally supplied in colour black. Since these types of sleeveings cover a significantly large range of sizes and wall thicknesses, Annex A, Tables 3 and 4, in this document provides a guide to the range of sizes available. The actual size shall be agreed between the user and supplier.

Keel en

**23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD****EN 12162:2001/prA1**

Identne EN 12162:2001/prA1:2008

Tähtaeg 1.03.2009

**Vedelikupumbad. Ohutusnõuded. Hüdrostaatilise katsetamise protseduur**

This European Standard describes the hydrostatic test procedure to be applied to pressure containing parts of all types of liquid pumps including any auxiliary equipment making up a pump unit.

Keel en

**EN 13445-4:2002/prA4**

Identne EN 13445-4:2008/prA4:2008

Tähtaeg 1.03.2009

**Leekkuumutusetä surveanumad. Osa 4: Valmistamine**

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

Keel en

**EN 60335-2-67:2003/FprAB**

Identne EN 60335-2-67:2003/FprAB:2008

Tähtaeg 1.03.2009

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-67: Erinõuded põrandahooldus- ja puhastusmasinatele tööstuslikuks ja kaubanduslikuks kasutamiseks**

This standard applies to electrical motor-operated floor polishing (including waxing and buffing), scrubbing and grinding, scarifying and carpet shampooing appliances primarily designed for industrial and commercial use, with or without attachments, inclu

Keel en

**prEN 1555-1**

Identne prEN 1555-1:2008

Tähtaeg 1.03.2009

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

This part of EN 1555 specifies the general aspects of polyethylene (PE) piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword) it is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-1:2003

**prEN 1555-2**

Identne prEN 1555-2:2008

Tähtaeg 1.03.2009

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes**

This part of EN 1555 specifies the characteristics of pipes made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword) it is applicable to PE pipes, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-2:2003

**prEN 1555-3**

Identne prEN 1555-3:2008

Tähtaeg 1.03.2009

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 3: Fittings**

This part of EN 1555 specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword), it is applicable to PE fittings, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-3:2003

**prEN 1555-4**

Identne prEN 1555-4:2008

Tähtaeg 1.03.2009

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 4: Valves**

This part of EN 1555 specifies the characteristics of valves made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555, it is applicable to PE valves, their joints and to joints with components of PE and other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature;

Keel en

Asendab EVS-EN 1555-4:2003

**prEN 1555-5**

Identne prEN 1555-5:2008

Tähtaeg 1.03.2009

**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 5: Fitness for purpose of the system**

This part of EN 1555 specifies requirements of fitness for purpose of the polyethylene (PE) piping system in the field of the supply of gaseous fuels. It specifies the definitions of electrofusion, butt fusion and mechanical joints. It also specifies the method of preparation of test piece joints, and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions. It also specifies the test parameters for the test methods referred to in this standard. In conjunction with the other parts of EN 1555 (see Foreword) it is applicable to PE pipes, fittings, valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar 1); b) an operating temperature of 20 °C as reference temperature.

Keel en

Asendab EVS-EN 1555-5:2003

**prEN 12735-1**

Identne prEN 12735-1:2008

Tähtaeg 1.03.2009

**Vask ja vasesulamid. Õmblusteta ümmargused vasktorud õhukonditsioneereri ja jahutuse jaoks. Osa 1: Torud torustikusüsteemide jaoks**

This European Standard specifies the requirements, sampling, test methods and conditions of delivery for seamless round copper tubes used for refrigeration and air-conditioning piping systems (i.e. piping, connections, repairs). It is applicable to tubes having an outside diameter from 3 mm up to and including 133 mm. These tubes are supplied in straight lengths in the hard or half-hard material conditions, or in coils in the annealed material condition.

Keel en

Asendab EVS-EN 12735-1:2001

**prEN 12735-2**

Identne prEN 12735-2:2008

Tähtaeg 1.03.2009

**Vask ja vasesulamid. Õmblusteta ümmargused vasktorud õhukonditsioneereri ja jahutuse jaoks. Osa 2: Torud seadmete jaoks**

This European Standard specifies the requirements, sampling, test methods and conditions of delivery for seamless round copper tubes, smooth or inner finned, used for heat exchangers and their internal connecting pipes in the manufacturing of refrigeration and air conditioning equipment. It is applicable to tubes with an outer diameter from 6 mm up to and including 133 mm. The tubes are supplied in straight length in the material conditions hard or half-hard or as coils in the material condition annealed (soft).

Keel en

Asendab EVS-EN 12735-2:2001

**prEN 15888**

Identne prEN 15888:2008

Tähtaeg 1.03.2009

**Transportable gas cylinders - Cylinder bundles - Periodic inspection and testing**

This European Standard specifies the requirements for the periodic inspection and testing of cylinder bundles containing compressed gas, liquefied gas and mixtures thereof. It is also applicable to cylinder bundles containing acetylene. The standard includes information regarding the maintenance of cylinder bundles. This standard does not cover the requirements for cylinder bundles when they are a part of a battery vehicle.

Keel en

**prEN 15889**

Identne prEN 15889:2008

Tähtaeg 1.03.2009

**Fire-fighting hoses - Test methods**

This document details specific test methods for layflat, semi-rigid and suction fire fighting-hoses. The described test methods are recommended for standards for firefighting hoses. Applicable methods are to be selected and requirements and test values have to be defined in the relevant fire hose standards. Annex U (informative) lists the existing published ISO and or EN hose test methods standards that are specified within Fire hose standards.

Keel en



























































