

# EVS Teataja

Avaldatud 15.10.2021

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja  
ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

## SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID .....	3
ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID.....	30
STANDARDIKAVANDITE ARVAMUSKÜSITLUS.....	39
TÖLKED KOMMENTEERIMISEL .....	55
ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE .....	57
STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS .....	58
TÜHISTAMISKÜSITLUS .....	59
TEADE EUROOPA STANDARDI OLEMASOLUST .....	61
UUED EESTIKEELSE STANDARDID JA STANDARDILAADSED DOKUMENDID .....	62
STANDARDIPEALKIRJADE MUUTMINE .....	64
UUED HARMONEERITUD STANDARDID .....	65

# UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### **EVS-EN 16981:2021**

#### **Photocatalysis - Glossary of terms**

The glossary lists a consistent set of definitions to be used in standards on photocatalysis for their consistency and connection with the scientific literature.

Keel: en

Alusdokumendid: EN 16981:2021

Asendab dokumenti: CEN/TS 16981:2016

### **EVS-EN ISO 6927:2021**

#### **Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)**

See dokument määratleb tehnilised terminid isetasanduvatele ja püstoliga paigaldatavatele (gun-grade) hermeetikutele, mida kasutatakse maapealsetes avatud konstruktsioonides.

Keel: en

Alusdokumendid: ISO 6927:2021; EN ISO 6927:2021

Asendab dokumenti: EVS-EN ISO 6927:2012

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

### **CEN ISO/TS 23406:2021**

#### **Nuclear sector - Requirements for bodies providing audit and certification of quality management systems for organizations supplying products and services important to nuclear safety (ITNS) (ISO/TS 23406:2020)**

This document complements the existing requirements of ISO/IEC 17021-1 for bodies providing audit and certification of quality management systems against ISO 19443. NOTE This document is recommended for use as a criteria document for accreditation, peer assessment or other audit processes.

Keel: en

Alusdokumendid: CEN ISO/TS 23406:2021; ISO/TS 23406:2020

### **CWA 17796:2021**

#### **Responsibility-by-design - Guidelines to develop long-term strategies (roadmaps) to innovate responsibly**

This document provides guidelines to develop long-term strategies (roadmaps) for innovating responsibly, thereby helping organizations to achieve socially desirable outcomes from their innovation processes. These roadmaps encourage a "responsibility-by-design" approach that integrates considerations of technical, ethical, social, environmental, and economic aspects all along the research, development, and design process leading to an innovation. The document aims at all organizations and agents involved in planning and performing research and innovation and technological development. The focus is on innovation enabled by transformative technologies. This document has been designed to be consistent with, and to support, as much as possible, existing management system standards and management/governance standards (e.g. EN ISO 9001). Particular attention has been given to social responsibility (i.e. EN ISO 26000). This document has been designed to be consistent with, and to support, as much as possible, existing management system standards and management/governance standards (e.g. EN ISO 9001). Particular attention has been given to social responsibility (i.e. EN ISO 26000).

Keel: en

Alusdokumendid: CWA 17796:2021

### **EVS-EN 17463:2021**

#### **Valuation of Energy Related Investments (VALERI)**

This document specifies requirements for a valuation of energy related investments (VALERI). It provides a description on how to gather, calculate, evaluate and document information in order to create solid business cases based on Net Present Value calculations for ERIs. The standard is applicable for the valuation of any kind of energy related investment. The document focusses mainly on the valuation and documentation of the economic impacts of ERIs. However, non-economic effects (e.g. noise reduction) that can occur through undertaking an investment are also considered. Thus, qualitative effects (e.g. impact on the environment) - even if they are non-monetisable - are taken into consideration.

Keel: en

Alusdokumendid: EN 17463:2021

## **EVS-EN 17531:2021**

### **Reporting in support of supervision of online gambling services by the gambling regulatory authorities of the Member States**

The development of a European standard(s) on reporting by online gambling service operators and suppliers to the gambling regulatory authorities in the Member States for the purpose of supervision of online gambling services will specify the core data for reporting purposes, while ensuring integrity and security of the data as well as personal data protection. The requested European standard(s) will provide a voluntary tool to the gambling regulatory authorities in the Member States without prejudice to the scope of competence of Member States in the regulation of online gambling and without imposing any obligation on them to introduce reporting requirements or to authorize or deny authorization to any operators or suppliers.

Keel: en

Alusdokumendid: EN 17531:2021

## **EVS-EN ISO 56005:2021**

### **Innovation management - Tools and methods for intellectual property management - Guidance (ISO 56005:2020)**

Efficient management of IP is key to support the process of innovation, is essential for organizations' growth and protection, and is their engine for competitiveness. This document proposes guidelines for supporting the role of IP within innovation management. It aims to address the following issues concerning IP management at strategic and operational levels: — Creating an IP strategy to support innovation in an organization; — Establishing systematic IP management within the innovation processes; — Applying consistent IP tools and methods in support of efficient IP management. This document can be used for any type of innovation activities and initiatives.

Keel: en

Alusdokumendid: ISO 56005:2020; EN ISO 56005:2021

## **11 TERVISEHOOLDUS**

## **EVS-EN 285:2015+A1:2021**

### **Steriliseerimine. Aursterilisaatorid. Suured sterilisaatorid Sterilization - Steam sterilizers - Large sterilizers**

This European Standard specifies requirements and the relevant tests for large steam sterilizers primarily used in health care for the sterilization of 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 sterilizers 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. This European Standard applies to steam sterilizers designed to accommodate at least one sterilization module or having a chamber volume of at least 60 l. Large steam sterilizers can also be used during the commercial production of medical devices. This European Standard does not specify requirements for equipment intended to use, contain or be exposed to flammable substances or substances which could cause combustion. This European Standard does not specify requirements for equipment intended to process biological waste or human tissues. This European Standard does not describe a quality management system for the control of all stages of the manufacture of the sterilizer. NOTE 1 Attention is drawn to the standards for quality management systems e.g. EN ISO 13485. NOTE 2 Environmental aspects are addressed in Annex A.

Keel: en

Alusdokumendid: EN 285:2015+A1:2021

Asendab dokumenti: EVS-EN 285:2015

## **EVS-EN IEC 80601-2-77:2021**

### **Elektrilised meditsiiniseadmed. Osa 2-77: Erinõuded robotiseeritud kirurgiliste seadmete esmasele ohutusele ja olulistele toimimisnäitajatele**

### **Medical Electrical Equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment**

IEC 80601-2-77:2019 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of ROBOTICALLY ASSISTED SURGICAL EQUIPMENT (RASE) and ROBOTICALLY ASSISTED SURGICAL SYSTEMS (RASS), referred to as ME EQUIPMENT and ME SYSTEMS together with their INTERACTION CONDITIONS and INTERFACE CONDITIONS.

Keel: en

Alusdokumendid: IEC 80601-2-77:2019; EN IEC 80601-2-77:2021

## **EVS-EN ISO 10993-9:2021**

### **Meditsiiniseadmete bioloogiline hindamine. Osa 9: Potentsiaalsete degradatsioonisaaduste tuvastamise ja koguselise kindlaksmääramise raamistik**

### **Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products (ISO 10993-9:2019)**

This document provides general principles for the systematic evaluation of the potential and observed degradation of medical devices through the design and performance of in vitro degradation studies. Information obtained from these studies can be used in the biological evaluation described in the ISO 10993 series. This document is applicable to both materials designed to degrade in the body as well as materials that are not intended to degrade. This document is not applicable to: a) the evaluation

of degradation which occurs by purely mechanical processes; methodologies for the production of this type of degradation product are described in specific product standards, where available; NOTE Purely mechanical degradation causes mostly particulate matter. Although this is excluded from the scope of this document, such degradation products can evoke a biological response and can undergo biological evaluation as described in other parts of ISO 10993. b) leachable components which are not degradation products; c) medical devices or components that do not contact the patient's body directly or indirectly.

Keel: en

Alusdokumendid: ISO 10993-9:2019; EN ISO 10993-9:2021

Asendab dokumenti: EVS-EN ISO 10993-9:2010

### **EVS-EN ISO 80601-2-90:2021**

#### **Medical electrical equipment - Part 2-90: Particular requirements for basic safety and essential performance of respiratory high-flow therapy equipment (ISO 80601-2-90:2021)**

This document applies to the basic safety and essential performance of ventilatory high-flow therapy equipment, as defined in 201.3.204, hereafter also referred to as ME equipment, in combination with its accessories: - intended for use in the home healthcare environment; - intended for use in professional healthcare facilities; - intended for use by a lay operator or a healthcare professional operator; - intended for use with patients who can breathe spontaneously; - intended for patients who would benefit from improved alveolar gas exchange; and who would benefit from receiving high-flow humidified respiratory gases, including a patient whose upper airway is bypassed; and EXAMPLE 1 Patients with Type 1 Respiratory Failure, which exhibits a reduction in arterial blood oxygenation or patients who would benefit from reduced work of breathing, as needed in Type 2 Respiratory Failure, where arterial carbon dioxide is high. - not intended for patients who are dependent on artificial ventilation for their life support. NOTE 1 In the home healthcare environment, the supply mains is often not reliable. Ventilatory high-flow therapy equipment is typically composed of four parts: 1) gas sources, - air, and - if needed, oxygen; NOTE 2 Gas sources include medical gas pipeline systems, gas cylinders, oxygen concentrators and ambient air. 2) humidifier; NOTE 3 When dry gas is utilized, a humidifier is typically needed. 3) breathing tube; 4) a patient interface, which is used to deliver gas to the patient; and 5) a flow controller, which is used to select and deliver the desired flow. NOTE 4 The flow controller can be at a fixed rate. NOTE 5 The flowrate range is dependent upon the intended patient population (e.g., neonatal, paediatric and adult patients can require different flowrates). These parts can be combined (e.g., the gas source and humidifier can be combined). Ventilatory highflow therapy equipment interfaces with the patient whose upper airway is intact via a nasal cannula or mask as well as a patient whose upper airway is bypassed via an endotracheal tube, oropharyngeal mask, or tracheostomy. Ventilatory high-flow therapy equipment can be transit-operable. This document is also applicable to those accessories intended by their manufacturer to be connected to the ventilatory high-flow therapy equipment, where the characteristics of those accessories can affect the basic safety or essential performance of the ventilatory high-flow therapy equipment. EXAMPLE 2 Breathing sets, connectors, water traps, expiratory valve, humidifier, breathing system filter, external electrical power source, distributed alarm system. This document does not specify the requirements for: - ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12; - ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13; - ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84; - ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in ISO 80601-2-72; - ventilatory support equipment or accessories intended for ventilatory impairment, which are given in ISO 80601-2-79; - ventilatory support equipment or accessories intended for ventilatory insufficiency, which are given in ISO 80601-2-80; - sleep apnoea therapy ME equipment, which are given in ISO 80601-2-70; - continuous positive airway pressure (CPAP) ME equipment; - high-frequency jet ventilators (HFJVs); - high-frequency oscillatory ventilators (HFOVs), which are given in ISO 80601-2-87; and - cuirass or "iron-lung" ventilation equipment. NOTE 4 Ventilatory high-flow therapy equipment can be incorporated into any of the above equipment, in which case those standards would be applicable for those ventilation-modes.

Keel: en

Alusdokumendid: EN ISO 80601-2-90:2021; ISO 80601-2-90:2021

## **13 KESKKONNA- JA TERVISEKAITSE. OHUTUS**

### **CWA 17806:2021**

#### **Design Circular Framework Setting - Composite recovery design solutions in the automotive industry**

This document tries to set design requirements that make composite products and materials in the automotive sector more easily repairable and longer lasting. Besides, it will ensure that the materials and components of a product can be more easily re-used, refurbished, and recycled, and finally, it will ensure that products are free of hazardous or problematic substances, which can hamper re-use or recycling efforts. In this sense, in this context, the most important addressed are customer perspective, health and environmental impacts and benefits and technical requirements.

Keel: en

Alusdokumendid: CWA 17806:2021

### **CWA 17807:2021**

#### **Dismantling methods and protocols in a Circular Economy Framework - Composite recovery in the automotive industry**

This document overviews, optimizes and validates the strategies and technologies for collection and material recovery (plastics, foam, glass, fibres from vehicle parts) for (re-) manufacturing, in addition to parts that are already being recycled. Current recycling systems for ELV's are designed to valorize the metallic content. But nowadays, there is an ongoing surge to use non-metallic parts, low value, and complex materials in the vehicle (and future ELV) to reduce their carbon footprint.

Keel: en

Alusdokumendid: CWA 17807:2021

## **EVS-EN 54-1:2021**

### **Tulekahju avastamise ja tulekahjust alarmeerimise süsteem. Osa 1: Sissejuhatus Fire detection and fire alarm systems - Part 1: Introduction**

Selles dokumendis määratletakse terminid ja määratlused, mida kasutatakse kogu EN 54 standardisarjas. Selles antakse põhimõtted, millele on rajatud sarja iga osa, ja kirjeldatakse tulekahju avastamise ja tulekahjust alarmeerimise süsteemi komponentide läbiviidavaid funktsioone. See dokument kehtib hoonete ja rajatiste tulekahju avastamise ja tulekahjust alarmeerimise süsteemide kohta. See dokument ei rakendu suitsuanduriseadmetele, mis on hõlmatud standardiga EN 14604.

Keel: en, et

Alusdokumendid: EN 54-1:2021

Asendab dokumenti: EVS-EN 54-1:2011

Asendab dokumenti: EVS-EN 54-1:2011/AC:2012

## **EVS-EN 60335-2-15:2016/A1:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids**

This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: IEC 60335-2-15:2012/A1:2016; EN 60335-2-15:2016/A1:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016

## **EVS-EN 60335-2-15:2016/A12:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids**

This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: EN 60335-2-15:2016/A12:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016

Muudab dokumenti: EVS-EN 60335-2-15:2016/A1:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016/A2:2021

## **EVS-EN 60335-2-15:2016/A2:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids**

This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: IEC 60335-2-15:2012/A2:2018; EN 60335-2-15:2016/A2:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016

## **EVS-EN 60335-2-15:2016+A11+A1+A2+A12:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2012 , modified + IEC 60335-2-15:2012/A1:2016 + IEC 60335-2-15:2012/A2:2018)**

This clause of Part 1 is replaced by the following. This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V. NOTE Z101 Some appliances may be used for heating food. NOTE Z102 Examples of appliances that are within the scope of this standard are – coffee-makers, – cooking pans, – egg boilers, – feeding-bottle heaters, – kettles and other appliances for boiling water, having a rated capacity not exceeding 10 l, – milk heaters, – pressure cookers having a rated cooking pressure not exceeding 140 kPa and a rated capacity not exceeding 10 l, – rice cookers, – slow cookers, – steam cookers, – soy milk makers, – tea makers, – wash boilers, – yoghurt makers. – Pot coffee-makers Appliances can have more than one function. Appliances intended to be used by laymen in shops and other premises for normal housekeeping purposes, are within the scope of this standard. NOTE Z103 Examples of such appliances are – glue pots with a water jacket, – livestock feed boilers, – sterilizers. If the appliance is intended to be used professionally to process food for commercial consumption, that appliance is not considered to be for household or similar use only. NOTE Z104 Examples of appliance for household environment are appliances for typical

housekeeping functions used in the household environment that may also be used by non expert users for typical housekeeping functions: – in shops and other similar working environments; – in farm houses; – by clients in hotels, motels and other residential type environments; – in bed and breakfast type environments. NOTE Z105 Household environments include the dwelling and its associated buildings, the garden, etc. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments. However, in general, it does not take into account children playing with appliances and their use by very young children. It does not take into account the use of the following appliances by children: – pressure cookers; – glue pots with a water jacket; – livestock feed boilers; – sterilizers; – soy milk makers; – wash boilers. – Pot coffee-makers It does not take into account the use of the following appliances by young children without supervision: – cooking pans; – slow cookers; – steam cookers; – tea makers; – rice cookers; – coffee makers; – kettles; – egg boilers; – milk heaters. NOTE Z106 Feeding bottle heaters and yoghurt makers may be used by young children. It is recognized that very vulnerable people may have needs beyond the level addressed in this standard. NOTE Z107 Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary, – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities. NOTE Z108 This standard does not apply to – frying pans and deep fat fryers (EN 60335-2-13), – storage water heaters (EN 60335-2-21), – instantaneous water heaters (EN 60335-2-35), – surface-cleaning appliances employing liquids or steam (EN 60335-2-54), – portable immersion heaters (EN 60335-2-74), – commercial dispensing appliances and vending machines (EN 60335-2-75), – appliances for medical purposes (EN 60601), – appliances intended exclusively for industrial purposes, – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas), – appliances for high-frequency heating, – pressure sterilizers, – humidifiers for household and similar use (EN 60335-2-98). NOTE Z109 Attention is drawn to the fact that in many countries requirements for pressure vessels are applied to pressure cookers.

Keel: en

Alusdokumendid: IEC 60335-2-15:2012; EN 60335-2-15:2016; EN 60335-2-15:2016/A11:2018; IEC 60335-2-15:2012/A1:2016; EN 60335-2-15:2016/A1:2021; IEC 60335-2-15:2012/A2:2018; EN 60335-2-15:2016/A2:2021; EN 60335-2-15:2016/A12:2021  
Konsolideerib dokumenti: EVS-EN 60335-2-15:2016  
Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A1:2021  
Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A11:2018  
Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A12:2021  
Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A2:2021

### **EVS-EN 60335-2-35:2016/A2:2021**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-35: Erinõuded vee kiirkeetjatele Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters**

This European Standard deals with the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: IEC 60335-2-35:2012/A2:2020; EN 60335-2-35:2016/A2:2021  
Muudab dokumenti: EVS-EN 60335-2-35:2016

### **EVS-EN 60335-2-35:2016+A1+A2:2021**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-35: Erinõuded vee kiirkeetjatele Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2012 , modified + IEC 60335-2-35:2012/A1:2016 + IEC 60335-2-35:2012/A2:2020 , modified)**

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. NOTE 101 Instantaneous water heaters incorporating bare heating elements are within the scope of this standard. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended for use in shops, in light industry and on farms, are within the scope of this standard. As far as is practicable, this European Standard deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments. However, in general, it does not take into account – children playing with the appliance, – the use of the appliance by very young children without supervision, – user maintenance by children, including the cleaning of the appliance. It is recognized that very vulnerable people may have needs beyond the level addressed in this European Standard. NOTE 102 Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities; – in many countries regulations exist for the installation of equipment connected to the water mains. NOTE 103 This standard does not apply to – appliances for heating liquids (IEC 60335-2-15); – storage water heaters (IEC 60335-2-21); – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – commercial dispensing appliances and vending machines (IEC 60335-2-75).

Keel: en

Alusdokumendid: IEC 60335-2-35:2012; EN 60335-2-35:2016; IEC 60335-2-35:2012/A1:2016; EN 60335-2-35:2016/A1:2019; IEC 60335-2-35:2012/A2:2020; EN 60335-2-35:2016/A2:2021  
Konsolideerib dokumenti: EVS-EN 60335-2-35:2016  
Konsolideerib dokumenti: EVS-EN 60335-2-35:2016/A1:2019  
Konsolideerib dokumenti: EVS-EN 60335-2-35:2016/A2:2021

### **EVS-EN 60335-2-61:2003/A12:2021**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-61: Erinõuded termiliste laoruumide küttekehadele** **Household and similar electrical appliances - Safety - Part 2-61: Particular requirements for thermal-storage room heaters**

This European Standard deals with the safety of electric thermal-storage room heaters intended to heat the room in which they are located, their rated voltage being not more than 250 V for single phase and 480 V for other appliances.

Keel: en

Alusdokumendid: EN 60335-2-61:2003/A12:2021

Asendab dokumenti: EVS-EN 60335-2-61:2003/A11:2019

Muudab dokumenti: EVS-EN 60335-2-61:2003

### **EVS-EN IEC 60695-2-13:2021**

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

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for ignitability testing to determine the glow-wire ignition temperature (GWIT). The GWIT is the temperature which is 25 K (or 30 K) higher than the maximum test temperature, determined during this standardized procedure, at which the tested material does not ignite, or sustained flaming combustion does not occur for a time longer than 5 s for any single flame event and the specimen is not totally consumed. This test is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire flammability index (GWFI) test method for materials, IEC 60695-2-12, can then be used in a preselection process in accordance with IEC 60695-1-30 [4] to judge the ability of materials to meet the requirements of IEC 60695-2-11. NOTE As an outcome of conducting a fire hazard assessment, an appropriate series of preselection flammability and ignition tests can allow a reduction of end product testing. This basic safety publication focusing on safety test method(s) is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en

Alusdokumendid: EN IEC 60695-2-13:2021; IEC 60695-2-13:2021

Asendab dokumenti: EVS-EN 60695-2-13:2010

Asendab dokumenti: EVS-EN 60695-2-13:2010/A1:2014

### **EVS-EN IEC 60695-9-2:2021**

#### **Fire hazard testing - Part 9-2: Surface spread of flame - Summary and relevance of test methods**

This part of IEC 60695-9 presents a summary of published test methods that are used to determine the surface spread of flame of electrotechnical products or materials from which they are formed. It represents the current state of the art of the test methods and, where available, includes special observations on their relevance and use. The list of test methods is not to be considered exhaustive, and test methods that were not developed by the IEC are not to be considered as endorsed by the IEC unless this is specifically stated. This summary cannot be used in place of published standards which are the only valid reference documents. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel: en

Alusdokumendid: IEC 60695-9-2:2021; EN IEC 60695-9-2:2021

Asendab dokumenti: EVS-EN 60695-9-2:2014

### **EVS-EN IEC 60839-11-33:2021**

#### **Alarm and electronic security systems - Part 11-33: Electronic access control systems - Access control configuration based on web services**

This part of IEC 60839 defines the Web services interface for electronic access control systems. This includes listing electronic access control system components, their logical composition, monitoring their states and controlling them. It also includes a mapping of mandatory and optional requirements in accordance with IEC 60839-11-1:2013, as covered by Annex B. This document applies to physical security only. Physical security prevents unauthorized personnel, attackers or accidental intruders from physically accessing a building, room, etc. Web services usage and device management functionality are outside the scope of this document. Refer to IEC 60839-11-31:2016 for more information. This document does not in any way limit a manufacturer to add other protocols or extend the protocol defined here. For rules on how to accomplish this, refer to IEC 60839-11-31:2016.

Keel: en

Alusdokumendid: IEC 60839-11-33:2021; EN IEC 60839-11-33:2021



### **EVS-EN IEC 62321-2:2021**

#### **Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation**

This part of IEC 62321 provides strategies of sampling along with the mechanical preparation of samples from electrotechnical products. These samples can be used for analytical testing to determine the levels of certain substances as described in the test methods in other parts of the IEC 62321 series. Restrictions for substances will vary between geographic regions and can be updated on a regular basis. This document describes a generic process for obtaining and preparing samples prior to the determination of any substance of concern. This document does not provide: - full guidance on each and every product that could be classified as electrotechnical product. Since there is a huge variety of electrotechnical parts, with various structures and compositions, along with the continuous innovations in the industry, it is unrealistic to attempt to provide procedures for the disjointment of every type of part; - guidance regarding other routes to gather additional information on certain substances in a product, although the information collected has relevance to the sampling strategies in this document; - safe disassembly and mechanical disjointment instructions related to electrotechnical products (e.g. mercury-containing switches) and the recycling industry (e.g. how to handle CRTs or the safe removal of batteries). See IEC 62554-1 for the disjointment and mechanical sample preparation of mercury-containing fluorescent lamps; - sampling procedures for packaging and packaging materials; - analytical procedures to measure the levels of certain substances. This is covered by other standards (e.g. other parts of the IEC 62321 series), which are referred to as "test standards" in this document; - guidelines for assessment of compliance. This document has the status of a horizontal standard in accordance with IEC Guide 108.

Keel: en

Alusdokumendid: IEC 62321-2:2021; EN IEC 62321-2:2021

Asendab dokumenti: EVS-EN 62321-2:2014

### **EVS-EN IEC 63087-1:2021**

#### **Assistive listening devices and systems for active assisted living - Part 1: General**

This part of IEC 63087 specifies requirements, and the associated methods of measurement, for the electroacoustic performance of personal listening systems. This document specifies requirements for the provision of assistive listening in audio, video and multimedia systems and equipment. The requirements are of different kinds, because of the diversity of the hardware concerned. Existing IEC standards for methods of measurement are normatively referenced if they exist. Methods of measurement and performance requirements are specified in IEC 63087-21. This document does not apply to hearing aids. Also excluded are devices entirely worn on or in the ear, which cannot be measured independently.

Keel: en

Alusdokumendid: EN IEC 63087-1:2021; IEC 63087-1:2021

### **EVS-EN ISO 11916-3:2021**

#### **Soil quality - Determination of selected explosives and related compounds - Part 3: Method using liquid chromatography-tandem mass spectrometry (LC-MS/MS) (ISO 11916-3:2021)**

This International Standard specifies the measurement of explosive and related nitrocompounds compounds using liquid chromatography-tandem mass spectrometry (LC-MS/MS) in soil and soil materials. This method is applicable to 12 compounds (1,3-DNB, 1,3,5-TNB, 2,4-DNT, 2,6-DNT, 2,4,6-TNT, 4-A-2,6-DNT, 2-A-4,6-DNT, Tetryl, Hexyl, RDX, HMX, PETN) listed in ISO 11916-1 (soil, HPLC/UV method) except nitrobenzene, 2-nitrotoluene, 3-nitrotoluene and 4-nitrotoluene. In particular, this method is effective for the analysis of PETN, 1,3,5-TNB and tetryl which showed poor interlaboratory trial results with ISO 11916-1. Under the conditions specified in this document, concentrations as low as 0,005 mg/kg to 0,014 mg/kg-dry matter can be determined, depending on the substance. Currently two ISO standards exist for the analysis of explosives and related compounds in soil: ISO 11916-1 (HPLC/UV method), ISO 11916-2 (GC-ECD or MS method). According to the results of interlaboratory trial with ISO 11916-1, it showed some problematic aspects to analyze PETN, 1,3,5-TNB and tetryl. In case of ISO 11916-2, it also gave poor inter-laboratory trial results for 1,3,5-TNB. Therefore, it is necessary to develop new method effectively applicable to the determination of PETN, 1,3,5-TNB and tetryl. In addition to this, lower risk-based PRGs (Preliminary Remediation Goal), new regulatory concerns, and change of land use have created the atmosphere to apply more sensitive and selective instruments to determine explosive and related compounds. From the view of these aspects, liquid chromatography-tandem mass spectrometry (LC-MS/MS) is one of alternative methods for these purposes. LC-MS/MS method provides 10-20 times or much lower detection limit than that of HPLC/UV method and is recommendable to determine PETN, 1,3,5-TNB and tetryl. Also LC-MS/MS method is getting more familiar in ISO standard development (e.g. ISO/CD22104 Water quality--Microcystins, ISO/NP21677 Water quality--HBCD, ISO/CD21675 Water quality--PFAS).

Keel: en

Alusdokumendid: ISO 11916-3:2021; EN ISO 11916-3:2021

### **EVS-EN ISO 13688:2013/A11:2021**

#### **Kaitseriietus. Üldnõuded**

#### **Protective clothing - General requirements - Amendment 1 (ISO 13688:2013/Amd 1:2021)**

Amendment to EN ISO 13688:2013

Keel: en

Alusdokumendid: ISO 13688:2013/Amd 1:2021; EN ISO 13688:2013/A11:2021

Muudab dokumenti: EVS-EN ISO 13688:2013

## **EVS-EN ISO 13688:2013+A11:2021**

### **Kaitserietus. Üldnõuded**

#### **Protective clothing - General requirements (ISO 13688:2013 + ISO 13688:2013/Amd 1:2021)**

This International Standard specifies general performance requirements for ergonomics, innocuousness, size designation, ageing, compatibility and marking of protective clothing and the information to be supplied by the manufacturer with the protective clothing. This International Standard is only intended to be used in combination with other standards containing requirements for specific protective performance and not on a stand-alone basis.

Keel: en

Alusdokumendid: ISO 13688:2013; EN ISO 13688:2013; ISO 13688:2013/Amd 1:2021; EN ISO 13688:2013/A11:2021

Konsolideerib dokumenti: EVS-EN ISO 13688:2013

Konsolideerib dokumenti: EVS-EN ISO 13688:2013/A11:2021

## **EVS-EN ISO 16321-2:2021**

### **Silmade ja näo kaitsevahendid töökeskkonnas kasutamiseks. Osa 2: Lisanõuded kaitsetele, mida kasutatakse keevitamisel ja sellega seonduvatel töödel**

#### **Eye and face protection for occupational use - Part 2: Additional requirements for protectors used during welding and related techniques (ISO 16321-2:2021)**

This document specifies additional requirements for eye and face protectors designed to provide protection for the eyes and faces of persons against occupational hazards during welding and allied processes, such as optical radiation, impacts from flying particles and fragments, and hot solids. This document also applies to those articles of eye- and face-protection used for occupational-type tasks but not performed as part of an occupation, e.g. "do-it-yourself". This document specifies materials, design, performance requirements, and marking requirements for welding protectors which are different from and/or supplement ISO 16321-1.

Keel: en

Alusdokumendid: ISO 16321-2:2021; EN ISO 16321-2:2021

## **EVS-EN ISO 18527-2:2021**

### **Silma- ja näokaitsevahendid sportimiseks. Osa 2: Nõuded squashis ja squash 57 kasutatavatele silmakaitsevahenditele**

#### **Eye and face protection for sports use - Part 2: Requirements for eye protectors for squash and eye protectors for racquetball and squash 57 (ISO 18527-2:2021)**

This International Standard applies to all eye protectors intended for eye protection against hazards during the sports of Squash, Racquetball and Squash 57 and sports with similar hazards and no greater risks. It deals with materials, construction, optical properties, testing, labelling and marking. It applies to eye protectors that incorporate prescription lenses, but not to eye protectors designed for use over spectacles. Requirements for the marking of eye protectors and for information to be supplied by the manufacturer are also specified. Information on the selection and use of eye protectors for Squash, Racquetball and Squash 57 is given in Annex A. This International Standard does not apply to: a. sports eye protectors designed for use over prescription spectacles; b. eye protectors for occupational applications; c. eye protectors without lenses; d. eye protectors for sports where the hazards are unrelated to the hazards in or involve greater risks than Squash, Racquetball and Squash 57.

Keel: en

Alusdokumendid: ISO 18527-2:2021; EN ISO 18527-2:2021

## **17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED**

## **EVS-EN 15302:2021**

### **Raudteelased rakendused. Ratta-rööpa ühilduvuse geomeetrilised parameetrid. Määratlused ja hindamise meetodid**

#### **Railway Applications - Wheel-rail contact geometry parameters - Definitions and methods for evaluation**

This document establishes definitions and evaluation methods for wheel-rail contact geometry parameters influencing the vehicle running dynamic behaviour: - the rolling radius difference between the two wheels of a wheelset ( $\Delta r$ -function) which serves as a basis for all further calculations; - the equivalent conicity function from which are derived: - a single equivalent conicity value for a specified amplitude which is relevant for the assessment of vehicle running stability on straight track and in very large radius curves according to EN 14363; - the nonlinearity parameter which characterizes the shape of this function and is related to the vehicle behaviour particularly in the speed range close to the running stability limit; - the rolling radii coefficient which is used to describe the theoretical radial steering capability of a wheelset in a curved track. Additional information is given about the relationship between the contact angles of the two wheels of a wheelset ( $\Delta \tan \gamma$ -function) and about the roll angle parameter. NOTE Out of the presented parameters only those related to the contact angle are relevant for independently rotating wheels of wheel pairs. Descriptions of possible calculation methods are included in this document. Test case calculations are provided to achieve comparable results and to check the proper implementation of the described algorithms. To validate alternative methods not described in this document acceptance criteria are given for the equivalent conicity function. This includes reference profiles, profile combinations, tolerances and reference results with tolerance limits. This document also includes minimum requirements for the measurement of wheel and rail profiles as well as of the parameters needed for the transformation into a common coordinate system of right- and left-hand profiles. This document does not define limits for the wheel-rail contact geometry parameters and gives no tolerances for the rail profile and the wheel profile to achieve acceptable results. For the application of this document some general recommendations are given.

Keel: en  
Alusdokumendid: EN 15302:2021  
Asendab dokumenti: EVS-EN 15302:2008+A1:2010

### **EVS-EN IEC 61788-23:2021**

#### **Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of cavity-grade Nb superconductors**

This part of IEC 61788 addresses a test method for the determination of the residual resistance ratio (RRR), rRRR, of cavity-grade niobium. This method is intended for high-purity niobium grades with  $150 < rRRR < 600$ . The test method is valid for specimens with rectangular or round cross-section, cross-sectional area greater than 1 mm<sup>2</sup> but less than 20 mm<sup>2</sup>, and a length not less than 10 nor more than 25 times the width or diameter.

Keel: en  
Alusdokumendid: IEC 61788-23:2021; EN IEC 61788-23:2021  
Asendab dokumenti: EVS-EN IEC 61788-23:2018

## **23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD**

### **EVS-EN 13480-2:2017+A1+A2+A3+A7:2020/A8:2021**

#### **Metallist tööstustorustik. Osa 2: Materjalid Metallic industrial piping - Part 2: Materials**

This document specifies the requirements for steel products used for industrial piping and supports. For some metallic materials other than steel, such as spheroidal graphite cast iron, aluminium, nickel, copper, titanium, requirements are or will be formulated in separate parts of this document. For metallic materials which are not covered by a harmonized material standard and are not likely to be in near future, specific rules are given in this part or the above cited parts of this document.

Keel: en  
Alusdokumendid: EN 13480-2:2017/A8:2021  
Muudab dokumenti: EVS-EN 13480-2:2017+A1+A2+A3+A7:2020

## **25 TOOTMISTEHNOLOGIA**

### **EVS-EN 16981:2021**

#### **Photocatalysis - Glossary of terms**

The glossary lists a consistent set of definitions to be used in standards on photocatalysis for their consistency and connection with the scientific literature.

Keel: en  
Alusdokumendid: EN 16981:2021  
Asendab dokumenti: CEN/TS 16981:2016

### **EVS-EN ISO 14922:2021**

#### **Thermal spraying - Quality requirements for manufacturers of thermal sprayed coatings (ISO 14922:2021)**

This document specifies quality requirements for manufacturers of thermal sprayed coatings to ensure quality assurance for activities in the field of production. NOTE It is independent of the availability of a quality management system, e.g. ISO 9001, ISO 14001 and ISO 45001, which concern the concept and organization of the quality management. This document defines the quality requirements that are of importance for the manufacturing route. This document is applicable to thermal spraying including all the pre- and post-treatments of the whole coating process for new parts, for repairs and maintenance (e.g. after service) at the workshop or on site.

Keel: en  
Alusdokumendid: ISO 14922:2021; EN ISO 14922:2021  
Asendab dokumenti: EVS-EN ISO 14922-1:2000  
Asendab dokumenti: EVS-EN ISO 14922-2:2000  
Asendab dokumenti: EVS-EN ISO 14922-3:2000  
Asendab dokumenti: EVS-EN ISO 14922-4:2000

### **EVS-EN ISO 6370-1:2021**

#### **Vitreous and porcelain enamels - Determination of the resistance to abrasion - Part 1: Abrasion testing apparatus (ISO 6370-1:1991)**

Specifies the requirements for the testing apparatus to be used. Includes a general description and figures.

Keel: en  
Alusdokumendid: ISO 6370-1:1991; EN ISO 6370-1:2021

## **EVS-EN ISO 6370-2:2021**

### **Vitreous and porcelain enamels - Determination of the resistance to abrasion - Part 2: Loss in mass after sub-surface abrasion (ISO 6370-2:2020)**

This document specifies a test method for determining the resistance of vitreous and porcelain enamel coatings to abrasion by rubbing, grinding or other mechanical effects.

Keel: en

Alusdokumendid: ISO 6370-2:2020; EN ISO 6370-2:2021

## **27 ELEKTRI- JA SOOJUSENERGEETIKA**

## **CEN ISO/TS 23406:2021**

### **Nuclear sector - Requirements for bodies providing audit and certification of quality management systems for organizations supplying products and services important to nuclear safety (ITNS) (ISO/TS 23406:2020)**

This document complements the existing requirements of ISO/IEC 17021-1 for bodies providing audit and certification of quality management systems against ISO 19443. NOTE This document is recommended for use as a criteria document for accreditation, peer assessment or other audit processes.

Keel: en

Alusdokumendid: CEN ISO/TS 23406:2021; ISO/TS 23406:2020

## **EVS-EN 17432:2021**

### **Packaged refrigerating units for walk-in cold rooms - Classification, performance and energy consumption testing**

This document specifies classification criteria, test conditions and test procedures for performance testing of packaged refrigerating units for stationary cold room applications. This includes ductless units for cold storage applications at medium temperatures (MT) and low temperatures (LT) in either compact or split designs, fitted with electrically driven compressors, which work according to the vapour compression cycle.

Keel: en

Alusdokumendid: EN 17432:2021

## **EVS-EN 17463:2021**

### **Valuation of Energy Related Investments (VALERI)**

This document specifies requirements for a valuation of energy related investments (VALERI). It provides a description on how to gather, calculate, evaluate and document information in order to create solid business cases based on Net Present Value calculations for ERIs. The standard is applicable for the valuation of any kind of energy related investment. The document focusses mainly on the valuation and documentation of the economic impacts of ERIs. However, non-economic effects (e.g. noise reduction) that can occur through undertaking an investment are also considered. Thus, qualitative effects (e.g. impact on the environment) - even if they are non-monetisable - are taken into consideration.

Keel: en

Alusdokumendid: EN 17463:2021

## **29 ELEKTROTEHNIKA**

## **CLC IEC/TS 60034-30-2:2021**

### **Rotating electrical machines - Part 30-2: Efficiency classes of variable speed AC motors (IE-code)**

IEC TS 60034-30-2:2016(E) specifies efficiency classes for variable speed rotating electric machines not covered in IEC 60034-30-1. The classification only covers machines designed for operation with sinusoidal fundamental current that are not designed to be operated direct on-line (grid), for example permanent magnet synchronous machines with and without additional reluctance torque, sinusoidal reluctance synchronous machines and synchronous machines with DC field windings.

Keel: en

Alusdokumendid: IEC/TS 60034-30-2:2016; CLC IEC/TS 60034-30-2:2021

## **CLC IEC/TS 60034-32:2021**

### **Rotating electrical machines - Part 32: Measurement of stator end-winding vibration at form-wound windings**

IEC TS 60034-32:2016(E) is intended to provide consistent guidelines for measuring and reporting end-winding vibration behaviour during operation and at standstill. It - defines terms for measuring, analysis and evaluation of stator end-winding vibration and related structural dynamics; - gives guidelines for measuring dynamic / structural characteristics offline and stator end-winding vibrations online; - describes instrumentation and installation practices for end-winding vibration measurement equipment; - establishes general principles for documentation of test results; - describes the theoretical background of stator end-winding vibrations. This part of IEC 60034 is applicable to three-phase synchronous generators and three-phase synchronous direct online (DOL) motors.

Keel: en  
Alusdokumendid: IEC/TS 60034-32:2016; CLC IEC/TS 60034-32:2021

### **EVS-EN 50342-1:2015/A2:2021**

#### **Lead-acid starter batteries - Part 1: General requirements and methods of test**

Amendment to EN 50342-1:2015

Keel: en  
Alusdokumendid: EN 50342-1:2015/A2:2021  
Muudab dokumenti: EVS-EN 50342-1:2015

### **EVS-EN 62922:2017/A1:2021**

#### **Organic light emitting diode (OLED) panels for general lighting - Performance requirements**

Amendment to EN 62922:2017

Keel: en  
Alusdokumendid: IEC 62922:2016/AMD1:2021; EN 62922:2017/A1:2021  
Muudab dokumenti: EVS-EN 62922:2017

### **EVS-EN IEC 60238:2018/A2:2021**

#### **Edisonkeermega lambipesad**

#### **Edison screw lampholders**

Muudatus standardile EN IEC 60238:2018

Keel: en  
Alusdokumendid: IEC 60238:2016/A2:2020; EN IEC 60238:2018/A2:2021  
Muudab dokumenti: EVS-EN IEC 60238:2018

### **EVS-EN IEC 60320-1:2021**

#### **Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 1: Üldnõuded**

#### **Appliance couplers for household and similar general purposes - Part 1: General requirements**

This part of IEC 60320 sets the general requirements for appliance couplers for two poles and two poles with earth contact and for the connection of electrical devices for household and similar onto the mains supply. This document is also valid for appliance inlets/appliance outlets integrated or incorporated in appliances. The rated voltage does not exceed 250 V (AC) and the rated current does not exceed 16 A. Appliance couplers complying with this document are suitable for normal use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C. Annex E provides test requirements for derating the operating current of an accessory when used in ambient temperatures above +35 °C up to and including +90 °C. Appliance couplers are not suitable for: – use in place of plug and socket-outlet systems according to IEC 60884-1; – use in place of devices for connecting luminaires (DCLs) according to IEC 61995 or luminaire supporting couplers (LSCs); – use in place of installation couplers according to IEC 61535.

Keel: en  
Alusdokumendid: IEC 60320-1:2021; EN IEC 60320-1:2021  
Asendab dokumenti: EVS-EN 60320-1:2015  
Asendab dokumenti: EVS-EN 60320-1:2015/A1:2021  
Asendab dokumenti: EVS-EN 60320-1:2015/AC:2016  
Asendab dokumenti: EVS-EN 60320-1:2015/AC:2019  
Asendab dokumenti: EVS-EN 60320-1:2015+A1:2021

### **EVS-EN IEC 60674-3-1:2021**

#### **Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors**

This sheet of IEC 60674-3 gives the requirements for biaxially oriented polypropylene film having a smooth or rough surface, corona treated when required for vacuum metallization. The films are for use as dielectric in capacitors. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application is based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. Safety warning: It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

Keel: en  
Alusdokumendid: IEC 60674-3-1:2021; EN IEC 60674-3-1:2021  
Asendab dokumenti: EVS-EN 60674-3-1:2006  
Asendab dokumenti: EVS-EN 60674-3-1:2006/A1:2011

### **EVS-EN IEC 60695-2-13:2021**

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

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for ignitability testing to determine the glow-wire ignition temperature (GWIT). The GWIT is the

temperature which is 25 K (or 30 K) higher than the maximum test temperature, determined during this standardized procedure, at which the tested material does not ignite, or sustained flaming combustion does not occur for a time longer than 5 s for any single flame event and the specimen is not totally consumed. This test is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire flammability index (GWFI) test method for materials, IEC 60695-2-12, can then be used in a preselection process in accordance with IEC 60695-1-30 [4] to judge the ability of materials to meet the requirements of IEC 60695-2-11. NOTE As an outcome of conducting a fire hazard assessment, an appropriate series of preselection flammability and ignition tests can allow a reduction of end product testing. This basic safety publication focusing on safety test method(s) is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en

Alusdokumendid: EN IEC 60695-2-13:2021; IEC 60695-2-13:2021

Asendab dokumenti: EVS-EN 60695-2-13:2010

Asendab dokumenti: EVS-EN 60695-2-13:2010/A1:2014

### **EVS-EN IEC 60695-9-2:2021**

#### **Fire hazard testing - Part 9-2: Surface spread of flame - Summary and relevance of test methods**

This part of IEC 60695-9 presents a summary of published test methods that are used to determine the surface spread of flame of electrotechnical products or materials from which they are formed. It represents the current state of the art of the test methods and, where available, includes special observations on their relevance and use. The list of test methods is not to be considered exhaustive, and test methods that were not developed by the IEC are not to be considered as endorsed by the IEC unless this is specifically stated. This summary cannot be used in place of published standards which are the only valid reference documents. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel: en

Alusdokumendid: IEC 60695-9-2:2021; EN IEC 60695-9-2:2021

Asendab dokumenti: EVS-EN 60695-9-2:2014

### **EVS-EN IEC 61788-23:2021**

#### **Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of cavity-grade Nb superconductors**

This part of IEC 61788 addresses a test method for the determination of the residual resistance ratio (RRR), rRRR, of cavity-grade niobium. This method is intended for high-purity niobium grades with  $150 < rRRR < 600$ . The test method is valid for specimens with rectangular or round cross-section, cross-sectional area greater than 1 mm<sup>2</sup> but less than 20 mm<sup>2</sup>, and a length not less than 10 nor more than 25 times the width or diameter.

Keel: en

Alusdokumendid: IEC 61788-23:2021; EN IEC 61788-23:2021

Asendab dokumenti: EVS-EN IEC 61788-23:2018

### **EVS-EN IEC 63218:2021**

#### **Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium, nickel cadmium and nickel-metal hydride cells and batteries for portable applications - Guidance on environmental aspects**

This document provides requirements and recommendations on environmental aspects of secondary lithium, nickel cadmium and nickel-metal hydride cells and batteries for portable applications (hereafter referred to as "relevant secondary cells and batteries"). Relevant secondary cells and batteries are specified within the scopes of IEC 61960-3, IEC 61960-4, IEC 61951-1, and IEC 61951-2. NOTE Portable applications are defined in IEC 61960-3 as comprising hand-held equipment, transportable equipment, and movable equipment. See IEC 61960-3 for examples. This document is not intended to be applied to batteries embedded in end-use products. Once the embedded battery is removed from an end-use product, this document becomes applicable to it. The safety and control circuits as well as cases associated with relevant secondary batteries, except for those forming part of an end-use product, are covered by this document as parts of the relevant secondary batteries.

Keel: en

Alusdokumendid: IEC 63218:2021; EN IEC 63218:2021

### **EVS-EN ISO 29461-1:2021**

#### **Air intake filter systems for rotary machinery - Test methods - Part 1: Static filter elements (ISO 29461-1:2021)**

This document specifies methods and procedures for determining the static performance of particulate air filters used in air intake filter systems for rotary machinery such as stationary gas turbines, compressors and other stationary internal combustion engines. It applies to air filters with an efficiency of 85 % or more for the MPPS (EPA and HEPA filters) which are tested according to ISO 29463 (all parts) and filters with a lower efficiency which are tested according to ISO 16890 (all parts). The procedures described in both ISO 16890 (all parts) and ISO 29463 (all parts) are applied and extended by this document to air filters which operate at flow rates within the range 0,24 m<sup>3</sup>/s (850 m<sup>3</sup>/h) up to 2,36 m<sup>3</sup>/s (8 500 m<sup>3</sup>/h). Static filter systems normally use multiple stages of coarse, fine and optional EPA or HEPA filter elements to protect the machinery. The scope of

this document includes methods for performance testing of individual filter elements. It does not include methods for the direct measurement of the performance of entire systems as installed in service except in cases where they can meet the qualification criteria for the test assembly. Nevertheless, cumulative filter efficiencies of multistage systems of fine filters can be calculated by using the methods described in ISO 16890-1. This document refers to static (barrier) filter systems but can also be applied to other filter types and systems in appropriate circumstances, for example to evaluate the initial efficiency of cleanable and surface loading filters. The performance results obtained in accordance with this document cannot be quantitatively applied (by themselves) to predict performance in service with regard to efficiency and lifetime.

Keel: en

Alusdokumendid: ISO 29461-1:2021; EN ISO 29461-1:2021

Asendab dokumenti: EVS-EN ISO 29461-1:2013

### **EVS-HD 60364-7-706:2007+A1:2020**

#### **Madalpingelised elektripaigaldised. Osa 7-706: Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad**

#### **Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement (IEC 60364-7-706:2005, modified + IEC 60364-7-706:2005/A1:2019)**

Selle IEC 60364 osa erinõudeid rakendatakse — kohtkindlatele seadmete kohta juhtivates paikades, milles liikumisvõimalused on piiratud, ja — kasutatavate seadmete toite kohta juhtivates paikades, milles liikumisvõimalused on piiratud.

Keel: en, et

Alusdokumendid: HD 60364-7-706:2007; IEC 60364-7-706:2005; HD 60364-7-706:2007/A1:2020; IEC 60364-7-706:2005/A1:2019

Konsolideerib dokumenti: EVS-HD 60364-7-706:2007

Konsolideerib dokumenti: EVS-HD 60364-7-706:2007/A1:2020

## **31 ELEKTROONIKA**

### **EVS-EN IEC 60444-6:2021**

#### **Measurement of quartz crystal unit parameters - Part 6: Measurement of drive level dependence (DLD)**

This part of IEC 60444 applies to the measurements of drive level dependence (DLD) of quartz crystal units. Two test methods (A and C) and one referential method (B) are described. "Method A", based on the  $\pi$ -network according to IEC 60444-5, can be used in the complete frequency range covered by this part of IEC 60444. "Reference Method B", based on the  $\pi$ -network or reflection method according to IEC 60444-5 or IEC 60444-8 can be used in the complete frequency range covered by this part of IEC 60444. "Method C", an oscillator method, is suitable for measurements of fundamental mode crystal units in larger quantities with fixed conditions. NOTE The measurement methods specified in this document are not only applicable to AT-cut, but also to other crystal cuts and vibration modes, such as doubly rotated cuts (IT,SC) and to tuning fork crystal units (by using a high impedance test fixture).

Keel: en

Alusdokumendid: IEC 60444-6:2021; EN IEC 60444-6:2021

Asendab dokumenti: EVS-EN 60444-6:2013

### **EVS-EN IEC 62321-9:2021**

#### **Determination of certain substances in electrotechnical products - Part 9: Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS)**

This part of IEC 62321 specifies two techniques for the determination of hexabromocyclododecane (HBCDD) in polymers of electrotechnical products. The gas chromatography-mass spectrometry (GC-MS) test method is described in the normative part of this document. The GC-MS method is suitable for the determination of hexabromocyclododecane (HBCDD). A method using high-pressure liquid chromatography-mass spectrometry (HPLC-MS) is given in informative Annex A. These test methods have been evaluated for use with EPS (expanded polystyrene foam), XPS (extruded polystyrene foam) and ABS (acrylonitrile butadiene styrene) within the concentration ranges as specified in Table 1. The use of this method for other types of materials or concentration ranges outside those specified below has not been evaluated. [Table 1] This document has the status of a horizontal standard in accordance with IEC Guide 108.

Keel: en

Alusdokumendid: EN IEC 62321-9:2021; IEC 62321-9:2021

### **EVS-EN IEC 62435-9:2021**

#### **Electronic components - Long-term storage of electronic semiconductor devices - Part 9: Special Cases**

This part of IEC 62435 specifies storage practices encompassing silicon and semiconductor device building blocks of all types that are integrated together to into products in the form of either packages or boards that can be stored as fully assembled units or partial assemblies. Special attention is given to memories as components and assemblies although methods also apply to heterogeneous components. Guidelines and requirements for customer-supplier interaction are provided to manage the complexity. NOTE In IEC 62435 (all parts), the term "components" is used interchangeably with dice, wafers, passives and packaged devices.

Keel: en

Alusdokumendid: IEC 62435-9:2021; EN IEC 62435-9:2021

### **EVS-EN IEC 63287-1:2021**

#### **Semiconductor devices - Generic semiconductor qualification guidelines - Part 1: Guidelines for IC reliability qualification**

This part of IEC 63287 gives guidelines for reliability qualification plans of semiconductor integrated circuit products. This document is not intended for military- and space-related applications. NOTE 1 The manufacturer can use flexible sample sizes to reduce cost and maintain reasonable reliability by this guideline adaptation based on EDR-4708, AEC Q100, JESD47 or other relevant document can also be applicable if it is specified. NOTE 2 The Weibull distribution method used in this document is one of several methods to calculate the appropriate sample size and test conditions of a given reliability project.

Keel: en

Alusdokumendid: IEC 63287-1:2021; EN IEC 63287-1:2021

## **33 SIDETEHNIKA**

### **CLC/TR 50510:2021**

#### **Fibre optic access to end-user - A guideline to building of FTTX fibre optic network**

The purpose of this report is to be a guideline for those considering to install a high bandwidth (high bit-rate) FttX-network. After studying the report, operators, communities, energy companies, installers and others will understand the necessary steps to take to plan and install networks with high quality and cost effectiveness, and to secure a uniform structure and a high quality level on such networks.

Keel: en

Alusdokumendid: CLC/TR 50510:2021

Asendab dokumenti: CLC/TR 50510:2012

### **EVS-EN IEC 60958-1:2021**

#### **Digital audio interface - Part 1: General**

This part of IEC 60958 describes a serial, uni-directional, self-clocking interface for the interconnection of digital audio equipment for consumer and professional applications. It provides the basic structure of the interface. Separate documents define items specific to particular applications. The interface is primarily intended to carry monophonic or stereophonic programmes, encoded using linear PCM and with a resolution of up to 24 bits per sample. When used for other purposes, the interface is able to carry audio data coded other than as linear PCM coded audio samples. Provision is also made to allow the interface to carry data related to computer software, multimedia technologies, or signals coded using non-linear PCM. The format specification for these applications is not part of this document. The interface is intended for operation at audio sampling frequencies of 32 kHz and above. Auxiliary information is transmitted along with the programme.

Keel: en

Alusdokumendid: IEC 60958-1:2021; EN IEC 60958-1:2021

Asendab dokumenti: EVS-EN 60958-1:2008

Asendab dokumenti: EVS-EN 60958-1:2008/A1:2014

### **EVS-EN IEC 60958-3:2021**

#### **Digital audio interface - Part 3: Consumer applications**

This part of IEC 60958 specifies the consumer application of the interface for the inter connection of digital audio equipment defined in IEC 60958-1. NOTE When used in a consumer digital processing environment, the interface is primarily intended to carry stereophonic programmes, with a resolution of up to 20 bits per sample, an extension to 24 bits per sample being possible.

Keel: en

Alusdokumendid: IEC 60958-3:2021; EN IEC 60958-3:2021

Asendab dokumenti: EVS-EN 60958-3:2006

Asendab dokumenti: EVS-EN 60958-3:2006/A1:2010

Asendab dokumenti: EVS-EN 60958-3:2006/A2:2015

### **EVS-EN IEC 61169-54:2021**

#### **Radio frequency connectors - Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 $\Omega$ , Series 4,3-10**

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for coaxial connectors with 10 mm inner diameter of outer conductor, characteristic impedance 50  $\Omega$ , series 4,3-10 with screw type, hand screw type or quick-lock type coupling, for an upper operating frequency limit of 6 GHz, for use in wireless telecommunication and wireless network applications in conjunction with appropriate transmission line types for these applications. It also describes mating face dimensions for general purpose connectors, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to 4,3-10 series connectors. This specification indicates the recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.

Keel: en

Alusdokumendid: IEC 61169-54:2021; EN IEC 61169-54:2021

Asendab dokumenti: EVS-EN 61169-54:2016



### **EVS-EN IEC 62153-4-16:2021**

#### **Metallic cables and other passive components test methods - Part 4-16: Electromagnetic compatibility (EMC) - Extension of the frequency range to higher frequencies for transfer impedance and to lower frequencies for screening attenuation measurements using the triaxial set-up**

This part of IEC 62153 specifies a method to extrapolate the test results of transfer impedance to higher frequencies and the test results of screening attenuation to lower frequencies when measured with the triaxial set-up in accordance with IEC 62153-4-3, IEC 62153-4-4 [1]1 and IEC 62153-4-15. This method is applicable for homogenous screens, i.e. screens having a transfer impedance directly proportional to length. The transfer impedance can have any frequency behaviour, i.e. it could have a behaviour where it does not increase with 20 dB per decade as observed for screens made of a foil and a braid.

Keel: en

Alusdokumendid: EN IEC 62153-4-16:2021; IEC 62153-4-16:2021

### **EVS-EN IEC 62153-4-5:2021**

#### **Metallic communication cable test methods - Part 4-5: Electromagnetic compatibility (EMC) - Screening or coupling attenuation - Absorbing clamp method**

The absorbing clamp method is suitable to determine the screening- or the coupling attenuation of metallic communication cables in the frequency range of 30 MHz to 2400 MHz, depending on the performance of the clamp. It is an alternative method to the triaxial method of IEC 62153-4-4 or IEC 62153-4-9. Due to the undefined outer circuit of this absorbing clamp method, the test results obtained at different places and laboratories could vary by at least  $\pm 6$ dB.

Keel: en

Alusdokumendid: IEC 62153-4-5:2021; EN IEC 62153-4-5:2021

### **EVS-EN IEC 63087-1:2021**

#### **Assistive listening devices and systems for active assisted living - Part 1: General**

This part of IEC 63087 specifies requirements, and the associated methods of measurement, for the electroacoustic performance of personal listening systems. This document specifies requirements for the provision of assistive listening in audio, video and multimedia systems and equipment. The requirements are of different kinds, because of the diversity of the hardware concerned. Existing IEC standards for methods of measurement are normatively referenced if they exist. Methods of measurement and performance requirements are specified in IEC 63087-21. This document does not apply to hearing aids. Also excluded are devices entirely worn on or in the ear, which cannot be measured independently.

Keel: en

Alusdokumendid: EN IEC 63087-1:2021; IEC 63087-1:2021

## **35 INFOTEHNOLOGIA**

### **CEN/CLC/TR 17602-80-01:2021**

#### **Space product assurance - Reuse of existing software**

This handbook provides recommendations, methods and procedures that can be used for the selection and reuse of existing software in space software systems. This handbook is applicable to all types of software of a space system, including the space segment, the launch service segment and the ground segment software (including EGSEs) whenever existing software is intended to be reused within them. This handbook covers the following topics: • Software reuse approach including guidelines to build the Software Reuse File • Techniques to support completion of existing software qualification to allow its reuse in a particular project • Tool qualification • Risk management aspects of reusing existing software Existing software can be of any type: Purchased (or COTS), Legacy-Software, open-source software, customer-furnished items (CFI's), etc. NOTE Special emphasis is put on guidance for the reuse of COTS software often available as-is and for which no code and documentation are often available. Legal and contractual aspects of reuse are in principle out of scope; however guidelines to help in determine the reusability of existing software from a contractual point of view is provided in [ESA/REG/002]. Any organization with the business objective of systematic reuse may need to implement the organizational reuse processes presented in [ISO12207]. These processes will support the identification of reusable software products and components within selected reuse domains, their classification, storage and systematic reuse within the projects of that organization, etc. But these processes are out of scope of this handbook as the handbook is centred on the specific project activities to reuse an existing software product, not part of those organizational reuse processes more oriented to 'design for reuse' processes. In addition, this handbook provides guidelines to be used for the selection and analysis of tools for the development, verification and validation of the operational software.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-01:2021

### **CEN/CLC/TR 17602-80-03:2021**

#### **Space product assurance - Software dependability and safety**

This Handbook provides guidance on the application of the dependability and safety requirements relevant to software defined in EN 16602-80 (equivalent of ECSS-Q-ST-80). This Handbook provides support for the selection and application of software dependability and safety methods and techniques that can be used in the development of software-intensive space systems. This Handbook covers all of the different kinds of software for which EN 16602-80 (equivalent of ECSS-Q-ST-80) is applicable. Although the overall software dependability and safety workflow description is mainly targeted to the development of spacecraft, the described approach can be adapted to projects of different nature (e.g. launchers, ground systems). The methods and

techniques described in the scope of this Handbook are limited to assessment aspects, not including development and implementation techniques for dependability and safety (e.g. fault tolerance techniques, or development methods like coding standards, etc.). Although dependability is a composite term, including reliability, availability and maintainability, this Handbook addresses in particular the reliability aspects. Software maintainability and availability are not covered in depth by this handbook, because the relevant methods and techniques are still undergoing improvement. Nevertheless, whenever a link can be made to either of these two characteristics, it is explicitly mentioned in the corresponding section.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-03:2021

### **CEN/CLC/TR 17602-80-04:2021**

#### **Space product assurance - Software metrication programme definition and implementation**

The scope of this Handbook is the software metrication as part of a space project, i.e. a space system, a subsystem including hardware and software, or ultimately a software product. It is intended to complement the EN 16602-80 (equivalent to ECSS-Q-ST-80) with specific guidelines related to use of different software metrics including their collection, analysis and reporting. Tailoring guidelines for the software metrication process are also provided to help to meet specific project requirements. This Handbook provides recommendations, methods and procedures that can be used for the selection and application of appropriate metrics, but it does not include new requirements with respect to those provided by EN 16602-80 (equivalent to ECSS-Q-ST-80). The scope of this Handbook covers the following topics: • Specification of the goals and objectives for a metrication programme. • Identification of criteria for selection of metrics in a specific project / environment (goal driven). • Planning of metrication in the development life cycle. • Interface of metrication with engineering processes. • Data collection aspects (including use of tools). • Approach to the analysis of the collected data. • Feedback into the process and product based on the analysis results. • Continuous improvement of measurement process. • Use of metrics for process and product improvement. This Handbook is applicable to all types of software of all major parts of a space system, including the space segment, the launch service segment and the ground segment software.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-04:2021

### **CEN/CLC/TR 17602-80-11:2021**

#### **Space product assurance - Software process assessment and improvement - Part 1: Framework**

This handbook defines methods for process assessment and improvement that may be used to meet the requirements on process assessment and improvement of the EN16602-80 (equivalent to ECSS-Q-ST-80C) subclause 5.7. These methods constitute a clear and proven way of implementing those requirements. Alternative methods can be used provided that they meet the detailed instructions provided in this handbook for recognition of software process assessment schemes and results and process improvement. This handbook provides a detailed method for the implementation of the requirements of the EN16602-80 for software process assessment and improvement. It also establishes detailed instructions for alternative methods intended to meet the same EN16602-80 requirements. The process assessment and improvement scheme presented in this handbook is based on and conformant to the ISO/IEC 15504 International Standard. In designing this process assessment and improvement scheme the ISO/IEC 15504 exemplar process assessment model was adopted and extended to address specific requirements. The methods provided in this handbook can support organizations in meeting their business goals and in this context they can be tailored to suit their specific needs and requirements. However when used to claim compliance with relevant requirements in EN16602-80 only the steps and activities explicitly marked as recommended in this handbook may be omitted or modified.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-11:2021

### **CEN/CLC/TR 17602-80-12:2021**

#### **Space product assurance - Software process assessment and improvement - Part 2: Assessor instrument**

This handbook provides assessors with a number of instruments needed to perform software process capability assessments using the assessment method described in EN 17603-80-11 (equivalent to ECSS-Q-HB-80-02 Part 1). It also provides instruments that help assessors to carry out their activities when performing assessments and supporting the implementation of software process improvement initiatives using the method for process improvement described in Part 1. The instruments provided are: • The Process Assessment Model (PAM) required to perform assessments including process descriptions and process attribute indicators • Conformance statement to the requirements in ISO/IEC 15504 Part 2 • A definition of the Process Reference Model (PRM) on which TR 17603-80-11 and TR 17603-80-12 (equivalent to ECSS-Q-HB-80-02 Part 1 and 2) PAM are based (defined in TR 17603-80-11) • Detailed traces from base practices in the PAM to standard clauses and from work products to expected outputs.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-12:2021

### **EVS-EN 17531:2021**

#### **Reporting in support of supervision of online gambling services by the gambling regulatory authorities of the Member States**

The development of a European standard(s) on reporting by online gambling service operators and suppliers to the gambling regulatory authorities in the Member States for the purpose of supervision of online gambling services will specify the core data for reporting purposes, while ensuring integrity and security of the data as well as personal data protection. The requested European standard(s) will provide a voluntary tool to the gambling regulatory authorities in the Member States without prejudice

to the scope of competence of Member States in the regulation of online gambling and without imposing any obligation on them to introduce reporting requirements or to authorize or deny authorization to any operators or suppliers.

Keel: en

Alusdokumendid: EN 17531:2021

## 43 MAANTEESÕIDUKITE EHITUS

### CWA 17806:2021

#### **Design Circular Framework Setting - Composite recovery design solutions in the automotive industry**

This document tries to set design requirements that make composite products and materials in the automotive sector more easily repairable and longer lasting. Besides, it will ensure that the materials and components of a product can be more easily re-used, refurbished, and recycled, and finally, it will ensure that products are free of hazardous or problematic substances, which can hamper re-use or recycling efforts. In this sense, in this context, the most important addressed are customer perspective, health and environmental impacts and benefits and technical requirements.

Keel: en

Alusdokumendid: CWA 17806:2021

### CWA 17807:2021

#### **Dismantling methods and protocols in a Circular Economy Framework - Composite recovery in the automotive industry**

This document overviews, optimizes and validates the strategies and technologies for collection and material recovery (plastics, foam, glass, fibres from vehicle parts) for (re-) manufacturing, in addition to parts that are already being recycled. Current recycling systems for ELV's are designed to valorize the metallic content. But nowadays, there is an ongoing surge to use non-metallic parts, low value, and complex materials in the vehicle (and future ELV) to reduce their carbon footprint.

Keel: en

Alusdokumendid: CWA 17807:2021

### EVS-EN IEC 62321-2:2021

#### **Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation**

This part of IEC 62321 provides strategies of sampling along with the mechanical preparation of samples from electrotechnical products. These samples can be used for analytical testing to determine the levels of certain substances as described in the test methods in other parts of the IEC 62321 series. Restrictions for substances will vary between geographic regions and can be updated on a regular basis. This document describes a generic process for obtaining and preparing samples prior to the determination of any substance of concern. This document does not provide: - full guidance on each and every product that could be classified as electrotechnical product. Since there is a huge variety of electrotechnical parts, with various structures and compositions, along with the continuous innovations in the industry, it is unrealistic to attempt to provide procedures for the disjointment of every type of part; - guidance regarding other routes to gather additional information on certain substances in a product, although the information collected has relevance to the sampling strategies in this document; - safe disassembly and mechanical disjointment instructions related to electrotechnical products (e.g. mercury-containing switches) and the recycling industry (e.g. how to handle CRTs or the safe removal of batteries). See IEC 62554 [1] 1 for the disjointment and mechanical sample preparation of mercury-containing fluorescent lamps; - sampling procedures for packaging and packaging materials; - analytical procedures to measure the levels of certain substances. This is covered by other standards (e.g. other parts of the IEC 62321 series), which are referred to as "test standards" in this document; - guidelines for assessment of compliance. This document has the status of a horizontal standard in accordance with IEC Guide 108 [2].

Keel: en

Alusdokumendid: IEC 62321-2:2021; EN IEC 62321-2:2021

Asendab dokumenti: EVS-EN 62321-2:2014

### EVS-EN IEC 63246-1:2021

#### **Configurable car infotainment services (CCIS) - Part 1: General**

This part of IEC 63246 describes the general considerations of CCIS, which include the system model of the CCIS and the types of CCIS clients with the associated service flows.

Keel: en

Alusdokumendid: IEC 63246-1:2021; EN IEC 63246-1:2021

### EVS-EN ISO 21058:2021

#### **Road vehicles - Dimethyl Ether (DME) refuelling connector (ISO 21058:2019)**

This document applies only to Dimethyl Ether refuelling connectors hereinafter referred to as devices, constructed entirely of new, unused parts and materials. Dimethyl Ether refuelling connectors consist of the following components, as applicable: a) Nozzle (mounted on dispenser side). b) Receptacle (mounted on vehicle). This document applies to devices which use Dimethyl Ether as fuel, hereinafter referred to in this document as D15 [see 9.1 c)]. This document applies to devices with standardised mating components. This document applies to connectors which prevent Dimethyl Ether vehicles from being fuelled by fuel station dispensers for other gaseous fuels. This document is applicable to: Dimethyl Ether in accordance with ISO 16861. NOTE All references to pressures (kPa) throughout this document are considered gauge pressures unless otherwise specified.

Keel: en  
Alusdokumendid: ISO 21058:2019; EN ISO 21058:2021

## 45 RAUDTEETEHNIKA

### EVS-EN 15302:2021

#### **Raudteelased rakendused. Ratta-rööpa ühilduvuse geomeetrilised parameetrid. Määratlused ja hindamise meetodid** **Railway Applications - Wheel-rail contact geometry parameters - Definitions and methods for evaluation**

This document establishes definitions and evaluation methods for wheel-rail contact geometry parameters influencing the vehicle running dynamic behaviour: - the rolling radius difference between the two wheels of a wheelset ( $\Delta r$ -function) which serves as a basis for all further calculations; - the equivalent conicity function from which are derived: - a single equivalent conicity value for a specified amplitude which is relevant for the assessment of vehicle running stability on straight track and in very large radius curves according to EN 14363; - the nonlinearity parameter which characterizes the shape of this function and is related to the vehicle behaviour particularly in the speed range close to the running stability limit; - the rolling radii coefficient which is used to describe the theoretical radial steering capability of a wheelset in a curved track. Additional information is given about the relationship between the contact angles of the two wheels of a wheelset ( $\Delta \tan \gamma$ -function) and about the roll angle parameter. NOTE Out of the presented parameters only those related to the contact angle are relevant for independently rotating wheels of wheel pairs. Descriptions of possible calculation methods are included in this document. Test case calculations are provided to achieve comparable results and to check the proper implementation of the described algorithms. To validate alternative methods not described in this document acceptance criteria are given for the equivalent conicity function. This includes reference profiles, profile combinations, tolerances and reference results with tolerance limits. This document also includes minimum requirements for the measurement of wheel and rail profiles as well as of the parameters needed for the transformation into a common coordinate system of right- and left-hand profiles. This document does not define limits for the wheel-rail contact geometry parameters and gives no tolerances for the rail profile and the wheel profile to achieve acceptable results. For the application of this document some general recommendations are given.

Keel: en  
Alusdokumendid: EN 15302:2021  
Asendab dokumenti: EVS-EN 15302:2008+A1:2010

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### CEN/CLC/TR 17602-70-23:2021

#### **Space product assurance - Materials, mechanical parts and processes obsolescence management handbook**

This Handbook provides guidelines to manage obsolescence of Materials, Mechanical Parts and Processes (in-house and sub-contracted). It is useful for any actor of the European Space sector. It covers Materials, Mechanical Parts and Processes (MMPP) used in flight hardware as well as ground support equipment (including test systems) and materials or tools used during process (not in the final product) and skills (knowhow). It is not within the scope of this Handbook to address EEE components and software. This document describes the general causes of obsolescences and introduces the concepts of proactive and reactive obsolescence management, depending of the programme phase.

Keel: en  
Alusdokumendid: CEN/CLC/TR 17602-70-23:2021

### CEN/CLC/TR 17602-80-01:2021

#### **Space product assurance - Reuse of existing software**

This handbook provides recommendations, methods and procedures that can be used for the selection and reuse of existing software in space software systems. This handbook is applicable to all types of software of a space system, including the space segment, the launch service segment and the ground segment software (including EGSEs) whenever existing software is intended to be reused within them. This handbook covers the following topics: • Software reuse approach including guidelines to build the Software Reuse File • Techniques to support completion of existing software qualification to allow its reuse in a particular project • Tool qualification • Risk management aspects of reusing existing software Existing software can be of any type: Purchased (or COTS), Legacy-Software, open-source software, customer-furnished items (CFI's), etc. NOTE Special emphasis is put on guidance for the reuse of COTS software often available as-is and for which no code and documentation are often available. Legal and contractual aspects of reuse are in principle out of scope; however guidelines to help in determine the reusability of existing software from a contractual point of view is provided in [ESA/REG/002]. Any organization with the business objective of systematic reuse may need to implement the organizational reuse processes presented in [ISO12207]. These processes will support the identification of reusable software products and components within selected reuse domains, their classification, storage and systematic reuse within the projects of that organization, etc. But these processes are out of scope of this handbook as the handbook is centred on the specific project activities to reuse an existing software product, not part of those organizational reuse processes more oriented to 'design for reuse' processes. In addition, this handbook provides guidelines to be used for the selection and analysis of tools for the development, verification and validation of the operational software.

Keel: en  
Alusdokumendid: CEN/CLC/TR 17602-80-01:2021

## **CEN/CLC/TR 17602-80-03:2021**

### **Space product assurance - Software dependability and safety**

This Handbook provides guidance on the application of the dependability and safety requirements relevant to software defined in EN 16602-80 (equivalent of ECSS-Q-ST-80). This Handbook provides support for the selection and application of software dependability and safety methods and techniques that can be used in the development of software-intensive space systems. This Handbook covers all of the different kinds of software for which EN 16602-80 (equivalent of ECSS-Q-ST-80) is applicable. Although the overall software dependability and safety workflow description is mainly targeted to the development of spacecraft, the described approach can be adapted to projects of different nature (e.g. launchers, ground systems). The methods and techniques described in the scope of this Handbook are limited to assessment aspects, not including development and implementation techniques for dependability and safety (e.g. fault tolerance techniques, or development methods like coding standards, etc.). Although dependability is a composite term, including reliability, availability and maintainability, this Handbook addresses in particular the reliability aspects. Software maintainability and availability are not covered in depth by this handbook, because the relevant methods and techniques are still undergoing improvement. Nevertheless, whenever a link can be made to either of these two characteristics, it is explicitly mentioned in the corresponding section.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-03:2021

## **CEN/CLC/TR 17602-80-04:2021**

### **Space product assurance - Software metrication programme definition and implementation**

The scope of this Handbook is the software metrication as part of a space project, i.e. a space system, a subsystem including hardware and software, or ultimately a software product. It is intended to complement the EN 16602-80 (equivalent to ECSS-Q-ST-80) with specific guidelines related to use of different software metrics including their collection, analysis and reporting. Tailoring guidelines for the software metrication process are also provided to help to meet specific project requirements. This Handbook provides recommendations, methods and procedures that can be used for the selection and application of appropriate metrics, but it does not include new requirements with respect to those provided by EN 16602-80 (equivalent to ECSS-ST-Q-80). The scope of this Handbook covers the following topics: • Specification of the goals and objectives for a metrication programme. • Identification of criteria for selection of metrics in a specific project / environment (goal driven). • Planning of metrication in the development life cycle. • Interface of metrication with engineering processes. • Data collection aspects (including use of tools). • Approach to the analysis of the collected data. • Feedback into the process and product based on the analysis results. • Continuous improvement of measurement process. • Use of metrics for process and product improvement. This Handbook is applicable to all types of software of all major parts of a space system, including the space segment, the launch service segment and the ground segment software.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-04:2021

## **CEN/CLC/TR 17602-80-11:2021**

### **Space product assurance - Software process assessment and improvement - Part 1: Framework**

This handbook defines methods for process assessment and improvement that may be used to meet the requirements on process assessment and improvement of the EN16602-80 (equivalent to ECSS-Q-ST-80C) subclause 5.7. These methods constitute a clear and proven way of implementing those requirements. Alternative methods can be used provided that they meet the detailed instructions provided in this handbook for recognition of software process assessment schemes and results and process improvement. This handbook provides a detailed method for the implementation of the requirements of the EN16602-80 for software process assessment and improvement. It also establishes detailed instructions for alternative methods intended to meet the same EN16602-80 requirements. The process assessment and improvement scheme presented in this handbook is based on and conformant to the ISO/IEC 15504 International Standard. In designing this process assessment and improvement scheme the ISO/IEC 15504 exemplar process assessment model was adopted and extended to address specific requirements. The methods provided in this handbook can support organizations in meeting their business goals and in this context they can be tailored to suit their specific needs and requirements. However when used to claim compliance with relevant requirements in EN16602-80 only the steps and activities explicitly marked as recommended in this handbook may be omitted or modified.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-11:2021

## **CEN/CLC/TR 17602-80-12:2021**

### **Space product assurance - Software process assessment and improvement - Part 2: Assessor instrument**

This handbook provides assessors with a number of instruments needed to perform software process capability assessments using the assessment method described in EN 17603-80-11 (equivalent to ECSS-Q-HB-80-02 Part 1). It also provides instruments that help assessors to carry out their activities when performing assessments and supporting the implementation of software process improvement initiatives using the method for process improvement described in Part 1. The instruments provided are: • The Process Assessment Model (PAM) required to perform assessments including process descriptions and process attribute indicators • Conformance statement to the requirements in ISO/IEC 15504 Part 2 • A definition of the Process Reference Model (PRM) on which TR 17603-80-11 and TR 17603-80-12 (equivalent to ECSS-Q-HB-80-02 Part 1 and 2) PAM are based (defined in TR 17603-80-11) • Detailed traces from base practices in the PAM to standard clauses and from work products to expected outputs.

Keel: en

Alusdokumendid: CEN/CLC/TR 17602-80-12:2021

### [CEN/CLC/TR 17603-10-02:2021](#)

#### **Space engineering - Verification guidelines**

This handbook provides additional information for the application of the verification standard EN 16603-10-02 to a space system product. This handbook does not contain requirements and therefore cannot be made applicable. In case of conflict between the standard and this handbook, the standard prevails. This handbook is relevant for both the customer and the supplier of the product during all project phases. To facilitate the cross-reference, this handbook follows as much as is practical, the structure of the standard and quotes the requirements, to make itself standing and easier to read (the text from the standard is in italic). As the Standard applies to different products at different product levels from single equipment to the overall system (including space segment hardware and software, launchers and Transportation Systems, ground segment, Verification tools, and GSE) several examples of tailoring, to match the specificity of each application, are proposed in Annex B. Specific discipline related verification aspects are covered in other dedicated standards and handbooks. In particular the detailed aspects for Testing are covered in the EN 16603-10-03 and in its corresponding handbook. The application of the requirements of the standard to a particular project is intended to result in effective product verification and consequently to a high confidence in achieving successful product operations for the intended use, in this respect this handbook has the goal to help reaching these objectives.

Keel: en

Alusdokumendid: CEN/CLC/TR 17603-10-02:2021

### [CEN/CLC/TR 17603-10-12:2021](#)

#### **Space engineering - Calculation of radiation and its effects and margin policy handbook**

This handbook is a part of the System Engineering branch and covers the methods for the calculation of radiation received and its effects, and a policy for design margins. Both natural and man-made sources of radiation (e.g. radioisotope thermoelectric generators, or RTGs) are considered in the handbook. This handbook can be applied to the evaluation of radiation effects on all space systems. This handbook can be applied to all product types which exist or operate in space, as well as to crews of manned space missions. This handbook complements to EN 16603-10-12 "Methods for the calculation of radiation received and its effects and a policy for the design margin".

Keel: en

Alusdokumendid: CEN/CLC/TR 17603-10-12:2021

### [CEN/CLC/TR 17603-11:2021](#)

#### **Space engineering - Technology readiness level (TRL) guidelines**

The present handbook is provided to support the implementation of the requirements of ECSS-E-AS-11 to space projects. With this purpose, this handbook provides guidelines on the way to assess the maturity of a technology of a product in a given environment, to use the TRL assessment outcome in the product development framework, and to introduce some further refinements for specific disciplines or products to which the TRL assessment methodology can be extended. The concept of Manufacturing Readiness Level (MRL) is not addressed in this document, whilst the concept of TRL can be applied to the technology-related aspects of manufacturing.

Keel: en

Alusdokumendid: CEN/CLC/TR 17603-11:2021

### [CEN/CLC/TR 17603-20-01:2021](#)

#### **Space engineering - Multipactor handbook**

This Handbook describes the guidelines and recommendations for the design and test of RF components and equipment to achieve acceptable performance with respect to multipactor-free operation in service in space. This document is the mirror document of the EN 16603-20-01 (based on ECSS-ST-20-01) normative document. Thus it includes the same contents as the normative text and has the same structure. This Handbook is intended to result in the effective design and verification of the multipactor performance of the equipment and consequently in a high confidence in achieving successful product operation. This Handbook covers multipactor events occurring in all classes of RF satellite components and equipment at all frequency bands of interest. Operation in single carrier CW and pulse modulated mode are included, as well as multicarrier operations. A detailed chapter on secondary emission yield is also included. This Handbook does not include breakdown processes caused by collisional processes, such as plasma formation.

Keel: en

Alusdokumendid: CEN/CLC/TR 17603-20-01:2021

### [CEN/CLC/TR 17603-20-02:2021](#)

#### **Space engineering - Li-ion battery testing handbook**

This Handbook establishes support the testing of Li-ion battery and associated generation of test related documentation. This handbook sets out to: - summarize most relevant characterisation tests - provide guidelines for Li-ion battery testing - provide guidelines for documentation associated with Li-ion cell or battery testing - give an overview of appropriate test methods - provide best practices

Keel: en

Alusdokumendid: CEN/CLC/TR 17603-20-02:2021

**EVS-EN 620:2021****Pidevtoimega teisaldusseadmed ja -süsteemid. Ohutusnõuded puistmaterjalide lintkonveieritele****Continuous handling equipment and systems - Safety requirements for fixed belt conveyors for bulk materials**

1.1 This document deals with the technical requirements for stationary belt conveyors and systems as defined in 3.1 to 3.2.4, for designed for continuously conveying loose bulk materials. The covered phases of life cycle are design, setting, operation, maintenance and cleaning. 1.2 This document does not give the additional requirements for: a) use in coal mining and open cast lignite mining; b) use for man-riding; c) floating, dredging and ship mounted structures supporting the conveyor; d) biological and chemical hazards resulting from handling foodstuffs or pharmaceuticals; e) the design of the supporting structure which is not part of a conveyor; f) the effects of wind; g) hazards resulting from handling specific hazardous materials, (e.g. explosives, radiating material); h) hazards resulting from contact with or inhalation of harmful fluids, gases, mists, fumes or dust; i) biological and micro-biological (viral or bacterial) hazards; j) hazards due to heat radiation from the materials handled; k) hazards caused by operation in electromagnetic fields outside the range of EN 61000-6-2:2005; l) hazards caused by operation subject to special regulations (e.g. explosive atmospheres); m) hazards caused by the use of ionising radiation sources; n) conveyors using a moving belt with other than a continuous rubber or polymeric surface for the conveying medium. The safety requirements of this standard apply to equipment and systems placed on the market after the date of publication of this standard. NOTE Directive 2014/34/EC concerning equipment and protective systems intended for use in potentially explosive atmospheres can be applicable to the type of machine or equipment covered by this European Standard. The present standard is not intended to provide means of complying completely with the essential health and safety requirements of Directive 2014/34/EC.

Keel: en

Alusdokumendid: EN 620:2021

Asendab dokumenti: EVS-EN 620:2002+A1:2010

**EVS-EN ISO 18063-2:2021****Maastikusuutlikud laadurid. Katsed nähtavusele ja vastavuskontroll. Osa 2:****Pöördmehhanismiga teleskooplaadurid****Rough-terrain trucks - Visibility test methods and their verification - Part 2: Slewing rough-terrain variable-reach trucks (ISO 18063-2:2021)**

This standard applies to rough-terrain slewing variable-reach trucks (herein-after referred to as 'trucks') as defined in ISO 10896-2 that have a specific seated operator's position, on the left hand side of the boom, or centre position (excluding operator position on the right side of the boom). This standard specifies a static test method for determining and evaluating the operator's visibility on a rectangular 1 m boundary close around the slewing rough-terrain variable-reach truck and on a 12 m visibility test circle. Performance requirements for visibility are specified in this standard. It applies to trucks for operation on work sites.

Keel: en

Alusdokumendid: ISO 18063-2:2021; EN ISO 18063-2:2021

**EVS-EN ISO 1973:2021****Textile fibres - Determination of linear density - Gravimetric method and vibroscope method (ISO 1973:2021)**

This document specifies a gravimetric method and a vibroscope method for the determination of the linear density of textile fibres applicable respectively to: a) bundles of fibres; b) individual fibres. Useful data can be obtained on man-made fibres and, with less precision, on natural fibres. This document only applies to fibres which can be kept straight and, in the case of bundles, parallel, during test preparation. It is properly applicable when the fibres are readily freed of crimp. The methods in this document are not applicable to tapered fibres. The vibroscope method is not always applicable to hollow and flat (ribbon-like) fibres.

Keel: en

Alusdokumendid: ISO 1973:2021; EN ISO 1973:2021

Asendab dokumenti: EVS-EN ISO 1973:2000

**EVS-EN ISO 6450:2021****Rubber- or plastics-coated fabrics - Determination of resistance to liquids (ISO 6450:2021)**

This document specifies two methods of evaluating the resistance of rubber- or plastics-coated fabrics to the action of liquids by measurement of selected properties of the materials before and after immersion in selected liquids. The two methods are as follows: — Method A: total immersion with liquid; — Method B: one surface side immersion with liquid.

Keel: en

Alusdokumendid: ISO 6450:2021; EN ISO 6450:2021

## 61 RÕIVATÖÖSTUS

### CEN ISO/TR 16178:2021

#### Footwear - Critical substances potentially present in footwear and footwear components - Lists of critical chemical substances (ISO/TR 16178:2021)

This document defines lists of critical chemical substances potentially present in footwear and footwear components. This document describes the critical chemical substances, their potential risks of nocuousness, in which materials they could be found, and which test method(s) can be used to quantify them. The test methods listed indicate the state of the art. For some substances, a test method is not available. This document is applicable to any kind of footwear and footwear components.

Keel: en

Alusdokumendid: CEN ISO/TR 16178:2021; ISO/TR 16178:2021

Asendab dokumenti: CEN ISO/TR 16178:2012

### EVS-EN ISO 19957:2021

#### Footwear - Test methods for heels - Heel pin holding strength (ISO 19957:2021)

This document specifies a test method for measuring the force required to pull a single heel pin out of a heel. This test method is used both to measure the heel pin holding strength of heel materials by using a standard heel pin and a method of insertion, and to assess the heel nailing of commercial production. This test method is applicable to testing plastics and wooden heels for women's footwear. Heels composed of layers of fibreboard or leather and low plastics heels for men's footwear cannot be tested by this method.

Keel: en

Alusdokumendid: ISO 19957:2021; EN ISO 19957:2021

Asendab dokumenti: EVS-EN ISO 19957:2004

Asendab dokumenti: EVS-EN ISO 19957:2004/AC:2013

## 71 KEEMILINE TEHNOLOOGIA

### EVS-EN IEC 62321-9:2021

#### Determination of certain substances in electrotechnical products - Part 9: Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS)

This part of IEC 62321 specifies two techniques for the determination of hexabromocyclododecane (HBCDD) in polymers of electrotechnical products. The gas chromatography-mass spectrometry (GC-MS) test method is described in the normative part of this document. The GC-MS method is suitable for the determination of hexabromocyclododecane (HBCDD). A method using high-pressure liquid chromatography-mass spectrometry (HPLC-MS) is given in informative Annex A. These test methods have been evaluated for use with EPS (expanded polystyrene foam), XPS (extruded polystyrene foam) and ABS (acrylonitrile butadiene styrene) within the concentration ranges as specified in Table 1. The use of this method for other types of materials or concentration ranges outside those specified below has not been evaluated. [Table 1] This document has the status of a horizontal standard in accordance with IEC Guide 108.

Keel: en

Alusdokumendid: EN IEC 62321-9:2021; IEC 62321-9:2021

## 75 NAFTA JA NAFTATEHNOLOOGIA

### EVS-EN ISO 18797-2:2021

#### Petroleum, petrochemical and natural gas industries - External corrosion protection of risers by coatings and linings - Part 2: Maintenance and field repair coatings for riser pipes (ISO 18797-2:2021)

This document specifies the selection criteria and minimum requirements for protective coating systems for field maintenance and repair of risers exposed to conditions in the splash zone. This document does not cover the selection of techniques and materials used to restore integrity of the risers to be coated. This document neither covers the selection of additional mechanical protective materials that are not part of the described coating systems included in this document.

Keel: en

Alusdokumendid: ISO 18797-2:2021; EN ISO 18797-2:2021

## 83 KUMMI- JA PLASTITÖÖSTUS

### EVS-EN 12301:2019/AC:2021

#### Kummi- ja plastitöötlusmasinad. Kalandrid. Ohutusnõuded Plastics and rubber machines - Calenders - Safety requirements

This document specifies safety requirements relating to the design and construction of calenders (see 3.1.1) intended for the calendaring, polishing, laminating or embossing of rubber or plastics. This document concerns the calender alone, including the following integrated components: cutting device, stock guides and feeding device, secondary roller. Annex C shows examples of various types of calenders and Annex D shows examples of calendaring processes. This document deals with all significant hazards, hazardous situations or hazardous events relevant to the design and construction of calenders, when the machines are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer during all the



phases of the life of the machine as described in EN ISO 12100:2010, 5.4 (see Annex B). This document does not deal with: - hazards generated by the processing of explosive materials, or materials which give rise to an explosive atmosphere; - hazards due to laser or ionizing radiation; - hazards generated if the calender is installed in an explosive atmosphere. Two roll mills are covered by EN 1417. This document is not applicable to calenders manufactured before the date of its publication.

Keel: en

Alusdokumendid: EN 12301:2019/AC:2021

Parandab dokumenti: EVS-EN 12301:2019

## 91 EHITUSMATERJALID JA EHITUS

### EVS-EN 12405-1:2021

#### **Gaasiarvestid. Teisendusseadmed. Osa 1: Mahu teisendus Gas meters - Conversion devices - Part 1: Volume conversion**

This document specifies the requirements and tests for the construction, performance, safety and conformity of gas-volume electronic conversion devices associated to gas meters, used to measure volumes of fuel gases of the 1st and 2nd families according to EN 437. This document is intended for type testing, the detailed relevant provisions of which are given in Annex A. Only three kinds of conversion are treated in this document: - conversion as a function of temperature only (called T conversion); - conversion as a function of the pressure and of the temperature with constant compression factor (called PT conversion); - conversion as a function of the pressure, the temperature and taking into account the compression factor (called PTZ conversion). This document is not relevant to temperature conversion integrated into gas meters which only indicate the converted volume. Gas-volume conversion devices consist of a calculator and a temperature transducer or a calculator, a temperature transducer and a pressure transducer locally installed. For application of this document, a conversion device may be, as a choice of the manufacturer, considered as a complete instrument (Type 1) or made of separate elements (Type 2), according to the definitions given in 3.1.20.1 and 3.1.20.2. In this last case, the provisions concerning pressure transducers, temperature sensors and temperature transducers are given in Annexes B, C and D respectively. Any conversion device can provide an error curve correction for a gas meter. NOTE When rendering an account to an end user the readings from the conversion device can be used in conjunction with the readings from a gas meter conforming to EN 1359, EN 12480, or EN 12261, as appropriate, or to any other appropriate and relevant international or national standard for gas meters, without prejudice of national regulations.

Keel: en

Alusdokumendid: EN 12405-1:2021

Asendab dokumenti: EVS-EN 12405-1:2018

### EVS-EN 16002:2018/AC:2021

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

Corrigendum to EN 16002:2018

Keel: en

Alusdokumendid: EN 16002:2018/AC:2021

Parandab dokumenti: EVS-EN 16002:2018

### EVS-EN ISO 11855-2:2021

#### **Building environment design - Embedded radiant heating and cooling systems - Part 2: Determination of the design heating and cooling capacity (ISO 11855-2:2021)**

This document specifies procedures and conditions to enable the heat flux in water-based surface heating and cooling systems to be determined relative to the medium differential temperature for systems. The determination of thermal performance of water-based surface heating and cooling systems and their conformity to this document is carried out by calculation in accordance with design documents and a model. This enables a uniform assessment and calculation of water-based surface heating and cooling systems. The surface temperature and the temperature uniformity of the heated/cooled surface, nominal heat flux between water and space, the associated nominal medium differential temperature, and the field of characteristic curves for the relationship between heat flux and the determining variables are given as the result. This document includes a general method based on finite difference or finite element Methods and simplified calculation methods depending on position of pipes and type of building structure.

Keel: en

Alusdokumendid: ISO 11855-2:2021; EN ISO 11855-2:2021

Asendab dokumenti: EVS-EN ISO 11855-2:2015

### EVS-EN ISO 6927:2021

#### **Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)**

See dokument määratleb tehnilised terminid isetasanduvatele ja püstoliga paigaldatavatele (gun-grade) hermeetikutele, mida kasutatakse maapealsetes avatud konstruktsioonides.

Keel: en

Alusdokumendid: ISO 6927:2021; EN ISO 6927:2021

Asendab dokumenti: EVS-EN ISO 6927:2012

### [EVS-HD 60364-7-706:2007+A1:2020](#)

**Madalpingelised elektripaigaldised. Osa 7-706: Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad**

**Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement (IEC 60364-7-706:2005, modified + IEC 60364-7-706:2005/A1:2019)**

Selle IEC 60364 osa erinõudeid rakendatakse — kohtkindlatele seadmete kohta juhtivates paikades, milles liikumisvõimalused on piiratud, ja — kasutatavate seadmete toite kohta juhtivates paikades, milles liikumisvõimalused on piiratud.

Keel: en, et

Alusdokumendid: HD 60364-7-706:2007; IEC 60364-7-706:2005; HD 60364-7-706:2007/A1:2020; IEC 60364-7-706:2005/A1:2019

Konsolideerib dokumenti: EVS-HD 60364-7-706:2007

Konsolideerib dokumenti: EVS-HD 60364-7-706:2007/A1:2020

## 97 OLME. MEELELAHUTUS. SPORT

### [EVS-EN 17531:2021](#)

**Reporting in support of supervision of online gambling services by the gambling regulatory authorities of the Member States**

The development of a European standard(s) on reporting by online gambling service operators and suppliers to the gambling regulatory authorities in the Member States for the purpose of supervision of online gambling services will specify the core data for reporting purposes, while ensuring integrity and security of the data as well as personal data protection. The requested European standard(s) will provide a voluntary tool to the gambling regulatory authorities in the Member States without prejudice to the scope of competence of Member States in the regulation of online gambling and without imposing any obligation on them to introduce reporting requirements or to authorize or deny authorization to any operators or suppliers.

Keel: en

Alusdokumendid: EN 17531:2021

### [EVS-EN 60335-2-15:2016/A1:2021](#)

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

**Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids**

This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: IEC 60335-2-15:2012/A1:2016; EN 60335-2-15:2016/A1:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016

### [EVS-EN 60335-2-15:2016/A12:2021](#)

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

**Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids**

This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: EN 60335-2-15:2016/A12:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016

Muudab dokumenti: EVS-EN 60335-2-15:2016/A1:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016/A2:2021

### [EVS-EN 60335-2-15:2016/A2:2021](#)

**Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

**Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids**

This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: IEC 60335-2-15:2012/A2:2018; EN 60335-2-15:2016/A2:2021

Muudab dokumenti: EVS-EN 60335-2-15:2016

## **EVS-EN 60335-2-15:2016+A11+A1+A2+A12:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2012 , modified + IEC 60335-2-15:2012/A1:2016 + IEC 60335-2-15:2012/A2:2018)**

This clause of Part 1 is replaced by the following. This European Standard deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V. NOTE Z101 Some appliances may be used for heating food. NOTE Z102 Examples of appliances that are within the scope of this standard are – coffee-makers, – cooking pans, – egg boilers, – feeding-bottle heaters, – kettles and other appliances for boiling water, having a rated capacity not exceeding 10 l, – milk heaters, – pressure cookers having a rated cooking pressure not exceeding 140 kPa and a rated capacity not exceeding 10 l, – rice cookers, – slow cookers, – steam cookers, – soy milk makers, – tea makers, – wash boilers, – yoghurt makers. – Pot coffee-makers Appliances can have more than one function. Appliances intended to be used by laymen in shops and other premises for normal housekeeping purposes, are within the scope of this standard. NOTE Z103 Examples of such appliances are – glue pots with a water jacket, – livestock feed boilers, – sterilizers. If the appliance is intended to be used professionally to process food for commercial consumption, that appliance is not considered to be for household or similar use only. NOTE Z104 Examples of appliance for household environment are appliances for typical housekeeping functions used in the household environment that may also be used by non expert users for typical housekeeping functions: – in shops and other similar working environments; – in farm houses; – by clients in hotels, motels and other residential type environments; – in bed and breakfast type environments. NOTE Z105 Household environments include the dwelling and its associated buildings, the garden, etc. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments. However, in general, it does not take into account children playing with appliances and their use by very young children. It does not take into account the use of the following appliances by children: – pressure cookers; – glue pots with a water jacket; – livestock feed boilers; – sterilizers; – soy milk makers; – wash boilers. – Pot coffee-makers It does not take into account the use of the following appliances by young children without supervision: – cooking pans; – slow cookers; – steam cookers; – tea makers; – rice cookers; – coffee makers; – kettles; – egg boilers; – milk heaters. NOTE Z106 Feeding bottle heaters and yoghurt makers may be used by young children. It is recognized that very vulnerable people may have needs beyond the level addressed in this standard. NOTE Z107 Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary, – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities. NOTE Z108 This standard does not apply to – frying pans and deep fat fryers (EN 60335-2-13), – storage water heaters (EN 60335-2-21), – instantaneous water heaters (EN 60335-2-35), – surface-cleaning appliances employing liquids or steam (EN 60335-2-54), – portable immersion heaters (EN 60335-2-74), – commercial dispensing appliances and vending machines (EN 60335-2-75), – appliances for medical purposes (EN 60601), – appliances intended exclusively for industrial purposes, – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas), – appliances for high-frequency heating, – pressure sterilizers, – humidifiers for household and similar use (EN 60335-2-98). NOTE Z109 Attention is drawn to the fact that in many countries requirements for pressure vessels are applied to pressure cookers.

Keel: en

Alusdokumendid: IEC 60335-2-15:2012; EN 60335-2-15:2016; EN 60335-2-15:2016/A11:2018; IEC 60335-2-15:2012/A1:2016; EN 60335-2-15:2016/A1:2021; IEC 60335-2-15:2012/A2:2018; EN 60335-2-15:2016/A2:2021; EN 60335-2-15:2016/A12:2021

Konsolideerib dokumenti: EVS-EN 60335-2-15:2016

Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A1:2021

Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A11:2018

Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A12:2021

Konsolideerib dokumenti: EVS-EN 60335-2-15:2016/A2:2021

## **EVS-EN 60335-2-35:2016/A2:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-35: Erinõuded vee kiirkeetjatele Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters**

This European Standard deals with the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: IEC 60335-2-35:2012/A2:2020; EN 60335-2-35:2016/A2:2021

Muudab dokumenti: EVS-EN 60335-2-35:2016

## **EVS-EN 60335-2-35:2016+A1+A2:2021**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-35: Erinõuded vee kiirkeetjatele Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters (IEC 60335-2-35:2012 , modified + IEC 60335-2-35:2012/A1:2016 + IEC 60335-2-35:2012/A2:2020 , modified)**

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. NOTE 101 Instantaneous water heaters incorporating bare heating elements are within the scope of this standard. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended for use in shops, in light industry

and on farms, are within the scope of this standard. As far as is practicable, this European Standard deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments. However, in general, it does not take into account – children playing with the appliance, – the use of the appliance by very young children without supervision, – user maintenance by children, including the cleaning of the appliance. It is recognized that very vulnerable people may have needs beyond the level addressed in this European Standard. NOTE 102 Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities; – in many countries regulations exist for the installation of equipment connected to the water mains. NOTE 103 This standard does not apply to – appliances for heating liquids (IEC 60335-2-15); – storage water heaters (IEC 60335-2-21); – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – commercial dispensing appliances and vending machines (IEC 60335-2-75).

Keel: en

Alusdokumendid: IEC 60335-2-35:2012; EN 60335-2-35:2016; IEC 60335-2-35:2012/A1:2016; EN 60335-2-35:2016/A1:2019; IEC 60335-2-35:2012/A2:2020; EN 60335-2-35:2016/A2:2021

Konsolideerib dokumenti: EVS-EN 60335-2-35:2016

Konsolideerib dokumenti: EVS-EN 60335-2-35:2016/A1:2019

Konsolideerib dokumenti: EVS-EN 60335-2-35:2016/A2:2021

### **EVS-EN 60335-2-61:2003/A12:2021**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-61: Erinõuded termiliste laoruumide küttekehadele**

#### **Household and similar electrical appliances - Safety - Part 2-61: Particular requirements for thermal-storage room heaters**

This European Standard deals with the safety of electric thermal-storage room heaters intended to heat the room in which they are located, their rated voltage being not more than 250 V for single phase and 480 V for other appliances.

Keel: en

Alusdokumendid: EN 60335-2-61:2003/A12:2021

Asendab dokumenti: EVS-EN 60335-2-61:2003/A11:2019

Muudab dokumenti: EVS-EN 60335-2-61:2003

### **EVS-EN IEC 60335-2-110:2021**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-110: Erinõuded sissepandava või kontaktaplikaatoriga kaubanduslikele-mikrolaineseadmetele**

#### **Household and similar electrical appliances - Safety - Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators**

IEC 60335-2-110:2013 deals with the safety of microwave appliances intended for commercial use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. Appliances covered by this standard incorporate an open-ended applicator (as example an overview is given in Figure 103) for treatment of the load. They are divided into three types: - with insertion applicator, typically for moisture removal by insertion into holes in floors, walls or ceilings (an example is given in Figure 106); - with large area contacting applicator, typically for drying of floors, walls or ceilings (examples are given in Figure 104 and Figure 105); - with small area contacting applicator, typically for paint removal and spot-heating (an example is given in Figure 107).

Keel: en

Alusdokumendid: IEC 60335-2-110:2013; EN IEC 60335-2-110:2021

### **EVS-EN IEC 60335-2-90:2021**

#### **Household and similar appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens**

IEC 60335-2-90:2015(E) deals with - the safety of microwave ovens with a cavity door intended for commercial use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances; - the safety of combination microwave ovens with a cavity door, the requirements for which are contained in Annex AA; - the safety of microwave ovens without a cavity door and with transportation means that are intended for commercial use only, for the heating of food and beverages, the requirements for which are contained in Annex BB. Microwave ovens covered by Annex BB have transportation means for moving the load through the microwave oven. Requirements for tunnel microwave ovens and several types of microwave vending machines are covered. This standard also deals with microwave ovens intended to be used on board ships, for which Annex EE is applicable. In general, this standard does not take into account the use of appliances by young children or infirm persons without supervision or children playing with the appliance. This international standard does not take into account the use of a microwave oven without a cavity door and with transportation means by ordinary persons except in the vicinity of entrance and exit ports. This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fifth edition (2010) of that standard. This fourth edition cancels and replaces the third edition published in 2006 including its Amendment 1 (2010) and Amendment 2 (2014). It constitutes a technical revision. The principal changes with respect to the previous edition are as follows (minor and editorial changes are not listed): - a statement in 7.12 is required for appliances intended to be used on commercial road vehicles; - a statement in 7.12 is required concerning cleaning of the appliance with a water jet; - the replacement of 22.103, 22.104 and 22.105 allows interlock systems with at least one concealed door interlock as well as alternative interlock systems without concealed door interlock; - requirements are added for appliances for installation in commercial road vehicles; - an annex is added dealing with routine tests. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which

to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this standard be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en

Alusdokumendid: IEC 60335-2-90:2015; EN IEC 60335-2-90:2021

Asendab dokumenti: EVS-EN 60335-2-90:2006

Asendab dokumenti: EVS-EN 60335-2-90:2006/A1:2010

### **EVS-EN ISO 18527-2:2021**

#### **Silma- ja näokaitsevahendid sportimiseks. Osa 2: Nõuded squashis ja squash 57 kasutatavatele silmakaitsevahenditele**

#### **Eye and face protection for sports use - Part 2: Requirements for eye protectors for squash and eye protectors for racquetball and squash 57 (ISO 18527-2:2021)**

This International Standard applies to all eye protectors intended for eye protection against hazards during the sports of Squash, Racquetball and Squash 57 and sports with similar hazards and no greater risks. It deals with materials, construction, optical properties, testing, labelling and marking. It applies to eye protectors that incorporate prescription lenses, but not to eye protectors designed for use over spectacles. Requirements for the marking of eye protectors and for information to be supplied by the manufacturer are also specified. Information on the selection and use of eye protectors for Squash, Racquetball and Squash 57 is given in Annex A. This International Standard does not apply to: a. sports eye protectors designed for use over prescription spectacles; b. eye protectors for occupational applications; c. eye protectors without lenses; d. eye protectors for sports where the hazards are unrelated to the hazards in or involve greater risks than Squash, Racquetball and Squash 57.

Keel: en

Alusdokumendid: ISO 18527-2:2021; EN ISO 18527-2:2021

# ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### CEN/TS 16981:2016

#### Photocatalysis - Glossary of terms

Keel: en

Alusdokumendid: CEN/TS 16981:2016

Asendatud järgmise dokumendiga: EVS-EN 16981:2021

Standardi staatus: Kehtetu

### EVS-EN ISO 6927:2012

#### Hooned ja rajatised. Hermeetikud. Sõnastik

#### Buildings and civil engineering works - Sealants - Vocabulary (ISO 6927:2012)

Keel: et-en

Alusdokumendid: ISO 6927:2012; EN ISO 6927:2012

Asendatud järgmise dokumendiga: EVS-EN ISO 6927:2021

Standardi staatus: Kehtetu

## 11 TERVISEHOOLDUS

### EVS-EN 285:2015

#### Steriliseerimine. Aursterilisaatorid. Suured sterilisaatorid

#### Sterilization - Steam sterilizers - Large sterilizers

Keel: en

Alusdokumendid: EN 285:2015

Asendatud järgmise dokumendiga: EVS-EN 285:2015+A1:2021

Standardi staatus: Kehtetu

### EVS-EN ISO 10993-9:2010

#### Meditiiniseadmete bioloogiline hindamine. Osa 9: Potentsiaalsete lagusaaduste identifitseerimise ja kvantifitseerimise raamistik

#### Biological evaluation of medical devices - Part 9: Framework for identification and quantification of potential degradation products

Keel: en

Alusdokumendid: ISO 10993-9:2009; EN ISO 10993-9:2009

Asendatud järgmise dokumendiga: EVS-EN ISO 10993-9:2021

Standardi staatus: Kehtetu

## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

### CLC/TS 50398:2009

#### Alarm systems - Combined and integrated alarm systems - General requirements

Keel: en

Alusdokumendid: CLC/TS 50398:2009

Osaliselt asendatud järgmise dokumendiga: EVS-EN 50398-1:2017

Standardi staatus: Kehtetu

### EVS-EN 54-1:2011

#### Automaatne tulekahjusignalisatsioonisüsteem. Osa 1: Sissejuhatus

#### Fire detection and fire alarm systems - Part 1: Introduction

Keel: en, et

Alusdokumendid: EN 54-1:2011+AC:2012

Asendatud järgmise dokumendiga: EVS-EN 54-1:2021

Parandatud järgmise dokumendiga: EVS-EN 54-1:2011/AC:2012

Standardi staatus: Kehtetu

### EVS-EN 54-1:2011/AC:2012

#### Automaatne tulekahjusignalisatsioonisüsteem. Osa 1: Sissejuhatus

#### Fire detection and fire alarm systems - Part 1: Introduction

Keel: et

Asendatud järgmise dokumendiga: EVS-EN 54-1:2021  
Standardi staatus: Kehtetu

### **EVS-EN 60695-2-13:2010**

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

Keel: en  
Alusdokumendid: IEC 60695-2-13:2010; EN 60695-2-13:2010  
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-13:2021  
Muudetud järgmise dokumendiga: EVS-EN 60695-2-13:2010/A1:2014  
Standardi staatus: Kehtetu

### **EVS-EN 60695-2-13:2010/A1:2014**

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

Keel: en  
Alusdokumendid: IEC 60695-2-13:2010/A1:2014; EN 60695-2-13:2010/A1:2014  
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-13:2021  
Standardi staatus: Kehtetu

### **EVS-EN 60695-9-2:2014**

#### **Fire hazard testing - Part 9-2: Surface spread of flame - Summary and relevance of test methods**

Keel: en  
Alusdokumendid: IEC 60695-9-2:2014; EN 60695-9-2:2014  
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-9-2:2021  
Standardi staatus: Kehtetu

### **EVS-EN 62321-2:2014**

#### **Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation**

Keel: en  
Alusdokumendid: IEC 62321-2:2013; EN 62321-2:2014  
Asendatud järgmise dokumendiga: EVS-EN IEC 62321-2:2021  
Standardi staatus: Kehtetu

## **17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED**

### **EVS-EN 15302:2008+A1:2010**

#### **Raudteealased rakendused. Meetodid koonilisuse ekvivalendi määramiseks KONSOLIDEERITUD TEKST**

#### **Railway applications - Method for determining the equivalent conicity CONSOLIDATED TEKST**

Keel: en  
Alusdokumendid: EN 15302:2008+A1:2010  
Asendatud järgmise dokumendiga: EVS-EN 15302:2021  
Standardi staatus: Kehtetu

### **EVS-EN IEC 61788-23:2018**

#### **Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of Nb superconductors**

Keel: en  
Alusdokumendid: IEC 61788-23:2018; EN IEC 61788-23:2018  
Asendatud järgmise dokumendiga: EVS-EN IEC 61788-23:2021  
Standardi staatus: Kehtetu

## **25 TOOTMISTEHNOLGOOGIA**

### **CEN/TS 16981:2016**

#### **Photocatalysis - Glossary of terms**

Keel: en  
Alusdokumendid: CEN/TS 16981:2016  
Asendatud järgmise dokumendiga: EVS-EN 16981:2021  
Standardi staatus: Kehtetu

### **EVS-EN ISO 14922-1:2000**

**Kuumpihustamine. Kvaliteedinõuded kuumpihustatud struktuuridele. Osa 1: Juhised valikuks ja kasutamiseks**  
**Thermal spraying - Quality requirements of thermally sprayed structures - Part 1: Guidance for selection and use**

Keel: en

Alusdokumendid: ISO 14922-1:1999; EN ISO 14922-1:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 14922:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 14922-2:2000**

**Kuumpihustamine. Kvaliteedinõuded kuumpihustatud struktuuridele. Osa 2: Laiaulatuslikud kvaliteedinõuded**

**Thermal spraying - Quality requirements of thermally sprayed structures - Part 2: Comprehensive quality requirements**

Keel: en

Alusdokumendid: ISO 14922-2:1999; EN ISO 14922-2:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 14922:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 14922-3:2000**

**Kuumpihustamine. Kvaliteedinõuded kuumpihustatud struktuuridele. Osa 3: Standardised kvaliteedinõuded**

**Thermal spraying - Quality requirements of thermally sprayed structures - Part 3: Standard quality requirements**

Keel: en

Alusdokumendid: ISO 14922-3:1999; EN ISO 14922-3:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 14922:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 14922-4:2000**

**Kuumpihustamine. Kvaliteedinõuded kuumpihustatud struktuuridele. Osa 4: Elementaarsed kvaliteedinõuded**

**Thermal spraying - Quality requirements of thermally sprayed structures - Part 4: Elementary quality requirements**

Keel: en

Alusdokumendid: ISO 14922-4:1999; EN ISO 14922-4:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 14922:2021

Standardi staatus: Kehtetu

## **29 ELEKTROTEHNIKA**

### **CLC/TR 50126-3:2008**

**Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 3: Guide to the application of EN 50126-1 for rolling stock RAM**

Keel: en

Alusdokumendid: CLC/TR 50126-3:2008

Standardi staatus: Kehtetu

### **EVS-EN 60320-1:2015**

**Appliance couplers for household and similar general purposes - Part 1: General requirements**

Keel: en

Alusdokumendid: IEC 60320-1:2015; EN 60320-1:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-1:2021

Konsolideeritud järgmise dokumendiga: EVS-EN 60320-1:2015+A1:2021

Muudetud järgmise dokumendiga: EVS-EN 60320-1:2015/A1:2021

Parandatud järgmise dokumendiga: EVS-EN 60320-1:2015/AC:2016

Parandatud järgmise dokumendiga: EVS-EN 60320-1:2015/AC:2019

Standardi staatus: Kehtetu



### **EVS-EN 60320-1:2015/A1:2021**

#### **Appliance couplers for household and similar general purposes - Part 1: General requirements**

Keel: en

Alusdokumendid: IEC 60320-1:2015/A1:2018; EN 60320-1:2015/A1:2021

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-1:2021

Konsolideeritud järgmise dokumendiga: EVS-EN 60320-1:2015+A1:2021

Standardi staatus: Kehtetu

### **EVS-EN 60320-1:2015/AC:2016**

#### **Appliance couplers for household and similar general purposes - Part 1: General requirements**

Keel: en

Alusdokumendid: IEC 60320-1:2015/COR1:2016; EN 60320-1:2015/AC:2016

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-1:2021

Konsolideeritud järgmise dokumendiga: EVS-EN 60320-1:2015+A1:2021

Standardi staatus: Kehtetu

### **EVS-EN 60320-1:2015/AC:2019**

#### **Appliance couplers for household and similar general purposes - Part 1: General requirements**

Keel: en

Alusdokumendid: IEC 60320-1:2015/COR2:2019; EN 60320-1:2015/AC:2019-06

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-1:2021

Konsolideeritud järgmise dokumendiga: EVS-EN 60320-1:2015+A1:2021

Standardi staatus: Kehtetu

### **EVS-EN 60320-1:2015+A1:2021**

#### **Appliance couplers for household and similar general purposes - Part 1: General requirements (IEC 60320-1:2015 + IEC 60320-1:2015/A1:2018)**

Keel: en

Alusdokumendid: IEC 60320-1:2015; EN 60320-1:2015; IEC 60320-1:2015/COR1:2016; EN 60320-1:2015/AC:2016; IEC

60320-1:2015/COR2:2019; EN 60320-1:2015/AC:2019-06; IEC 60320-1:2015/A1:2018; EN 60320-1:2015/A1:2021

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-1:2021

Standardi staatus: Kehtetu

### **EVS-EN 60674-3-1:2006**

#### **Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors**

Keel: en

Alusdokumendid: IEC 60674-3-1:1998; EN 60674-3-1:1998

Asendatud järgmise dokumendiga: EVS-EN IEC 60674-3-1:2021

Muudetud järgmise dokumendiga: EVS-EN 60674-3-1:2006/A1:2011

Standardi staatus: Kehtetu

### **EVS-EN 60674-3-1:2006/A1:2011**

#### **Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 1: Biaxially oriented polypropylene (PP) film for capacitors**

Keel: en

Alusdokumendid: IEC 60674-3-1:1998/A1:2011; EN 60674-3-1:1998/A1:2011

Asendatud järgmise dokumendiga: EVS-EN IEC 60674-3-1:2021

Standardi staatus: Kehtetu

### **EVS-EN 60695-2-13:2010**

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

Keel: en

Alusdokumendid: IEC 60695-2-13:2010; EN 60695-2-13:2010

Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-13:2021

Muudetud järgmise dokumendiga: EVS-EN 60695-2-13:2010/A1:2014

Standardi staatus: Kehtetu

### **EVS-EN 60695-2-13:2010/A1:2014**

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

Keel: en

Alusdokumendid: IEC 60695-2-13:2010/A1:2014; EN 60695-2-13:2010/A1:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-13:2021

Standardi staatus: Kehtetu

### **EVS-EN 60695-9-2:2014**

#### **Fire hazard testing - Part 9-2: Surface spread of flame - Summary and relevance of test methods**

Keel: en

Alusdokumendid: IEC 60695-9-2:2014; EN 60695-9-2:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 60695-9-2:2021

Standardi staatus: Kehtetu

### **EVS-EN IEC 61788-23:2018**

#### **Superconductivity - Part 23: Residual resistance ratio measurement - Residual resistance ratio of Nb superconductors**

Keel: en

Alusdokumendid: IEC 61788-23:2018; EN IEC 61788-23:2018

Asendatud järgmise dokumendiga: EVS-EN IEC 61788-23:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 29461-1:2013**

#### **Air intake filter systems for rotary machinery - Test methods - Part 1: Static filter elements (ISO 29461-1:2013)**

Keel: en

Alusdokumendid: ISO 29461-1:2013; EN ISO 29461-1:2013

Asendatud järgmise dokumendiga: EVS-EN ISO 29461-1:2021

Standardi staatus: Kehtetu

## **31 ELEKTROONIKA**

### **EVS-EN 60444-6:2013**

#### **Measurement of quartz crystal unit parameters - Part 6: Measurement of drive level dependence (DLD)**

Keel: en

Alusdokumendid: IEC 60444-6:2013; EN 60444-6:2013

Asendatud järgmise dokumendiga: EVS-EN IEC 60444-6:2021

Standardi staatus: Kehtetu

## **33 SIDETEHNIKA**

### **CLC/TR 50510:2012**

#### **Fibre optic access to end-user - A guideline to building of FTTX fibre optic network**

Keel: en

Alusdokumendid: CLC/TR 50510:2012

Asendatud järgmise dokumendiga: CLC/TR 50510:2021

Standardi staatus: Kehtetu

### **EVS-EN 60574-21:2003**

#### **Audiovisual, video and television equipment and systems; Part 21: Video tape leader and trailer for education and training applications**

Keel: en

Alusdokumendid: IEC 60574-21:1992; EN 60574-21:1993

Standardi staatus: Kehtetu

### **EVS-EN 60933-3:2002**

#### **Audio, video and audiovisual systems - Interconnections and matching values - Part 3: Interface for the interconnection of ENG cameras and portable VTRs using non-composite signals, for 625 line/50 field systems**

Keel: en

Alusdokumendid: IEC 60933-3:1992; EN 60933-3:1992

Standardi staatus: Kehtetu

### **EVS-EN 60958-1:2008**

#### **Digital audio interface - Part 1: General**

Keel: en

Alusdokumendid: IEC 60958-1:2008; EN 60958-1:2008  
Asendatud järgmise dokumendiga: EVS-EN IEC 60958-1:2021  
Muudetud järgmise dokumendiga: EVS-EN 60958-1:2008/A1:2014  
Standardi staatus: Kehtetu

#### **EVS-EN 60958-1:2008/A1:2014**

##### **Digital audio interface - Part 1: General**

Keel: en  
Alusdokumendid: IEC 60958-1:2008/A1:2014; EN 60958-1:2008/A1:2014  
Asendatud järgmise dokumendiga: EVS-EN IEC 60958-1:2021  
Standardi staatus: Kehtetu

#### **EVS-EN 60958-3:2006**

##### **Digital audio interface Part 3: Consumer applications**

Keel: en  
Alusdokumendid: IEC 60958-3:2006; EN 60958-3:2006  
Asendatud järgmise dokumendiga: EVS-EN IEC 60958-3:2021  
Muudetud järgmise dokumendiga: EVS-EN 60958-3:2006/A1:2010  
Muudetud järgmise dokumendiga: EVS-EN 60958-3:2006/A2:2015  
Standardi staatus: Kehtetu

#### **EVS-EN 60958-3:2006/A1:2010**

##### **Digital audio interface Part 3: Consumer applications**

Keel: en  
Alusdokumendid: IEC 60958-3:2006/A1:2009; EN 60958-3:2006/A1:2010  
Asendatud järgmise dokumendiga: EVS-EN IEC 60958-3:2021  
Standardi staatus: Kehtetu

#### **EVS-EN 60958-3:2006/A2:2015**

##### **Digital audio interface - Part 3: Consumer applications**

Keel: en  
Alusdokumendid: IEC 60958-3:2006/A2:2015; EN 60958-3:2006/A2:2015  
Asendatud järgmise dokumendiga: EVS-EN IEC 60958-3:2021  
Standardi staatus: Kehtetu

#### **EVS-EN 61030:2002**

##### **Audio, video and audiovisual systems - Domestic Digital Bus (D2B)**

Keel: en  
Alusdokumendid: IEC 61030:1991 + A1:1993; EN 61030:1993  
Standardi staatus: Kehtetu

#### **EVS-EN 61169-54:2016**

##### **Radio-frequency connectors - Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 Ω, series 4,3-10**

Keel: en  
Alusdokumendid: IEC 61169-54:2016; EN 61169-54:2016  
Asendatud järgmise dokumendiga: EVS-EN IEC 61169-54:2021  
Standardi staatus: Kehtetu

#### **EVS-EN 62394:2014**

##### **Service diagnostic interface for consumer electronics products and networks - Implementation for ECHONET**

Keel: en  
Alusdokumendid: IEC 62394:2013; EN 62394:2014  
Standardi staatus: Kehtetu

#### **EVS-HD 549 S1:2001**

##### **Konverentsisüsteemid. Elektrilised ja audionõuded Conference systems - Electrical and audio requirements**

Keel: en  
Alusdokumendid: IEC 914:1988; HD 549 S1:1989  
Standardi staatus: Kehtetu

## 35 INFOTEHNOLOOGIA

### **EVS-EN 62394:2014**

#### **Service diagnostic interface for consumer electronics products and networks - Implementation for ECHONET**

Keel: en  
Alusdokumendid: IEC 62394:2013; EN 62394:2014  
Standardi staatus: Kehtetu

## 37 VISUAALTEHNIKA

### **EVS-HD 369.18 S1:2003**

#### **Audio-visual, video and television equipment and systems; Part 18: Connectors for automatic slide projectors with built-in triacs for audiovisual application**

Keel: en  
Alusdokumendid: IEC 60574-18:1987; HD 369.18 S1:1989  
Standardi staatus: Kehtetu

## 43 MAANTEESÕIDUKITE EHITUS

### **EVS-EN 62321-2:2014**

#### **Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation**

Keel: en  
Alusdokumendid: IEC 62321-2:2013; EN 62321-2:2014  
Asendatud järgmise dokumendiga: EVS-EN IEC 62321-2:2021  
Standardi staatus: Kehtetu

## 45 RAUDTEETEHNIKA

### **CLC/TR 50126-3:2008**

#### **Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 3: Guide to the application of EN 50126-1 for rolling stock RAM**

Keel: en  
Alusdokumendid: CLC/TR 50126-3:2008  
Standardi staatus: Kehtetu

### **EVS-EN 15302:2008+A1:2010**

#### **Raudteelased rakendused. Meetodid koonilisuse ekvivalendi määramiseks**

#### **KONSOLIDEERITUD TEKST**

#### **Railway applications - Method for determining the equivalent conicity CONSOLIDATED TEKST**

Keel: en  
Alusdokumendid: EN 15302:2008+A1:2010  
Asendatud järgmise dokumendiga: EVS-EN 15302:2021  
Standardi staatus: Kehtetu

## 53 TÖSTE- JA TEISALDUS-SEADMED

### **EVS-EN 620:2002+A1:2010**

#### **Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutuse ja elektromagnetilise ühilduvuse nõuded puistmaterjalide lintkonveieritele**

#### **Continuous handling equipment and systems - Safety and EMC requirements for fixed belt conveyors for bulk materials**

Keel: en  
Alusdokumendid: EN 620:2002+A1:2010  
Asendatud järgmise dokumendiga: EVS-EN 620:2021  
Standardi staatus: Kehtetu

## 59 TEKSTIILI- JA NAHATEHNOLOOGIA

### **EVS-EN ISO 1973:2000**

#### **Tekstiilikiud. Joontiheduse määramine. Gravimeetiline ja vibroskoopiline meetod Textile fibres - Determination of linear density - Gravimetric method and vibroscope method**

Keel: en

Alusdokumendid: ISO 1973:1995; EN ISO 1973:1995

Asendatud järgmise dokumendiga: EVS-EN ISO 1973:2021

Standardi staatus: Kehtetu

## 61 RÕIVATÖÖSTUS

### **CEN ISO/TR 16178:2012**

#### **Footwear - Critical substances potentially present in footwear and footwear components (ISO/TR 16178:2012)**

Keel: en

Alusdokumendid: ISO/TR 16178:2012; CEN ISO/TR 16178:2012

Asendatud järgmise dokumendiga: CEN ISO/TR 16178:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 19957:2004**

#### **Footwear - Test methods for heels - Heel pin holding strength**

Keel: en

Alusdokumendid: ISO 19957:2004; EN ISO 19957:2004 + AC:2006

Asendatud järgmise dokumendiga: EVS-EN ISO 19957:2021

Parandatud järgmise dokumendiga: EVS-EN ISO 19957:2004/AC:2013

Standardi staatus: Kehtetu

## 91 EHITUSMATERJALID JA EHITUS

### **EVS-EN 12405-1:2018**

#### **Gaasiarvestid. Leppekoguse mõõturid. Osa 1: Mahu teisendus Gas meters - Conversion devices - Part 1: Volume conversion**

Keel: en

Alusdokumendid: EN 12405-1:2018

Asendatud järgmise dokumendiga: EVS-EN 12405-1:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 11855-2:2015**

#### **Building environment design - Design, dimensioning, installation and control of embedded radiant heating and cooling systems - Part 2: Determination of the design heating and cooling capacity (ISO 11855-2:2012)**

Keel: en

Alusdokumendid: EN ISO 11855-2:2015; ISO 11855-2:2012

Asendatud järgmise dokumendiga: EVS-EN ISO 11855-2:2021

Standardi staatus: Kehtetu

### **EVS-EN ISO 6927:2012**

#### **Hooned ja rajatised. Hermeetikud. Sõnastik Buildings and civil engineering works - Sealants - Vocabulary (ISO 6927:2012)**

Keel: et-en

Alusdokumendid: ISO 6927:2012; EN ISO 6927:2012

Asendatud järgmise dokumendiga: EVS-EN ISO 6927:2021

Standardi staatus: Kehtetu

## 97 OLME. MEELELAHUTUS. SPORT

### **EVS-EN 60335-2-90:2006**

#### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-90: Erinõuded kaubanduslikele mikrolaineahjudele Household and similar electrical appliances – Safety Part 2-90: Particular requirements for commercial microwave ovens**

Keel: en

Alusdokumendid: IEC 60335-2-90:2006; EN 60335-2-90:2006  
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-90:2021  
Muudetud järgmise dokumendiga: EN 60335-2-90:2006/FprA2:2014  
Muudetud järgmise dokumendiga: EVS-EN 60335-2-90:2006/A1:2010  
Standardi staatus: Kehtetu

#### **EVS-EN 60335-2-90:2006/A1:2010**

### **Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-90: Erinõuded kaubanduslikele mikrolaineahjudele**

### **Household and similar electrical appliances - Safety Part 2-90: Particular requirements for commercial microwave ovens**

Keel: en

Alusdokumendid: IEC 60335-2-90:2006/A1:2010; EN 60335-2-90:2006/A1:2010  
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-90:2021  
Standardi staatus: Kehtetu

# STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (üldjuhul 60 päeva) on asjast huvitatul võimalik tutvuda standardikavanditega, esitada kommentaare ning teha ettepanekuid parandusteks. Eriti on oodatud teave, kui rahvusvahelist või Euroopa standardikavandit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel).

Arvamusküsitlusele esitatakse Euroopa ja rahvusvahelised standardikavandid, mis on kavas üle võtta Eesti standarditeks, ja Eesti algupärased standardikavandid ning algupäraste tehniliste spetsifikatsioonide ja juhendite kavandid.

Iga arvamusküsitlusele oleva kavandi kohta on esitatud alljärgnev informatsioon:

- tähis;
- pealkiri;
- käsitusala;
- keel (en = inglise; et = eesti);
- Euroopa või rahvusvahelise alusdokumendi tähis, selle olemasolul;
- asendusseos, selle olemasolul;
- arvamuste esitamise tähtaeg.

Kavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## 01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

### prEN 12374

#### Packaging - Flexible tubes - Terminology

This standard defines the technical vocabulary in German, French and English, widely in use for flexible tubes. It is applicable to metal, plastic, multilayer or laminated tubes that are used for packing pharmaceutical, cosmetic, hygiene, food and other domestic or industrial products.

Keel: en

Alusdokumendid: prEN 12374

Asendab dokumenti: EVS-EN 12374:2009

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN 50419:2021

#### Marking of electrical and electronic equipment (EEE) in respect to separate collection of waste EEE (WEEE)

Specification of marking of electrical and electronic equipment according to WEEE Directive

Keel: en

Alusdokumendid: prEN 50419:2021

Asendab dokumenti: EVS-EN 50419:2006

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEVS-IEC 60050-195

#### Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock

Standardisarja IEC 60050 see osa esitab maandamist ja elektrilöögivastast kaitset puudutavad põhiterminid ja -määratlused. See uus väljaanne revideerib ja täiendab eelmist väljaannet. IEC juhise 108 (Guidelines for ensuring the coherence of IEC publications – Horizontal functions, horizontal publications and their application) kohaselt on sellel horisontaalse publikatsiooni staatus. Esitatud terminid on kooskõlas rahvusvahelise elektrotehnika sõnastiku muudes eriosades välja töötatud terminitega. See horisontaalne publikatsioon on ette nähtud kasutamiseks eeskätt tehnilistes komiteedes IEC publikatsioonide väljatöötamisel IEC juhises 108 esitatud põhimõtete kohaselt. Tehnilise komitee üks kohustustest on kasutada kus iganes oma publikatsioonide väljatöötamisel horisontaalseid publikatsioone.

Keel: en

Alusdokumendid: IEC 60050-195:2021

Asendab dokumenti: EVS-IEC 60050(195):2003

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 07 LOODUS- JA RAKENDUSTEADUSED

### prEN ISO 7704

#### **Water quality - Requirements for the performance testing of membrane filters used for direct enumeration of microorganisms by culture methods (ISO/DIS 7704:2021)**

This International Standard specifies requirements for the evaluation of membrane filters intended for the concentration for direct enumeration of specific microorganisms and mixed populations. These requirements are applicable to all membrane filters intended for the microbiological analysis of all kinds of water and other liquid samples. These requirements are intended for the test to demonstrate the suitability of the whole system - membrane filter together with culture medium including the filtration step - required for specific tests described in International Standards. The membrane filters required for use are described in each specific standard. This International Standard applies to producers and users such as: — commercial bodies producing and/or distributing membrane filters; — non-commercial bodies supplying membrane filters to third parties; — microbiological laboratories using membrane filters for their own testing or providing these to other users.

Keel: en

Alusdokumendid: ISO/DIS 7704; prEN ISO 7704

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

### EN 45545-2:2020/prA1

#### **Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components**

This part of EN 45545 specifies the reaction to fire performance requirements for materials and products used on railway vehicles as defined in EN 45545-1. The operation and design categories defined in EN 45545-1 are used to establish hazard levels that are used as the basis of a classification system. For each hazard level, this part specifies the test methods, test conditions and reaction to fire performance requirements. It is not within the scope of this European Standard to describe measures that ensure the preservation of the vehicles in the event of a fire.

Keel: en

Alusdokumendid: EN 45545-2:2020/prA1

Muudab dokumenti: EVS-EN 45545-2:2020

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN 4863

#### **Aerospace series - Rotorcraft immersion suits - Requirements, testing and marking**

This technical document specifies requirements for immersion suits for use by helicopter crew members and passengers in the event of a ditching or water impact, to ensure minimum levels of performance. It applies to immersion suits for use by adults only.

Keel: en

Alusdokumendid: prEN 4863

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN ISO 23611-4

#### **Soil quality - Sampling of soil invertebrates - Part 4: Sampling, extraction and identification of soil-inhabiting nematodes (ISO/DIS 23611-4:2021)**

This document specifies a method for sampling and handling free-living nematodes from terrestrial field soils as a prerequisite for using them as bio-indicators (e.g. to assess the quality of a soil as a habitat for organisms). This document applies to all terrestrial biotopes in which nematodes occur. The sampling design of field studies in general is specified in ISO 18400-101. This document is not applicable to aquatic nematodes because of differences in the sample matrix (e.g. water column). Methods for some other soil organism groups such as earthworms, collembolans, enchytraeids or macro-invertebrates are covered in ISO 23611-1, ISO 23611-2, ISO 23611-3 and ISO 23611-5. The nematodes that are characterized by the proposed procedure are all the free-living forms of nematodes found in soil. They include non-plant-feeding nematodes as well as ectoparasitic plant-feeding nematodes and free-living stage of endoparasitic nematodes. The quantification of obligate plant-feeding nematodes in roots requires specific methods. NOTE Basic information on the ecology of nematodes and their use as bio-indicators can be found in the bibliography. This document does not cover the pedological characterization of the site which is highly recommendable when sampling soil invertebrates. ISO 10390, ISO 10694, ISO 11272, ISO 11274, ISO 11277, ISO 11461 and ISO 11465 include suitable procedures for measuring pH, particle size distribution, C/N ratio, organic carbon content and water-holding capacity.

Keel: en

Alusdokumendid: ISO/DIS 23611-4; prEN ISO 23611-4

Asendab dokumenti: EVS-EN ISO 23611-4:2011

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN ISO 6942

#### **Protective clothing - Protection against heat and fire - Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat (ISO/DIS 6942:2021)**



This document specifies two complementary methods (method A and method B) for determining the behaviour of materials for heat protective clothing subjected to heat radiation. These tests are carried out on representative single or multi-layer textiles or other materials intended for clothing for protection against heat. They are also applicable to assemblies, which correspond to the overall build up of a heat protective clothing assembly with or without underclothing, Method A serves for visual assessment of any changes in the material after the action of heat radiation. With method B the protective effect of the materials is determined. The materials may be tested either by both methods or only by one of them. The tests according to these two methods serve to classify materials; however, to be able to make a statement or prediction as to the suitability of a material for protective clothing additional criteria must be taken into account. Since the tests are carried out at room temperature the results do not necessarily correspond to the behaviour of the materials at higher ambient temperatures and therefore are only to a limited extent suitable for predicting the performance of the protective clothing made from the materials under test.

Keel: en

Alusdokumendid: ISO/DIS 6942; prEN ISO 6942

Asendab dokumenti: EVS-EN ISO 6942:2002

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEVS-IEC 60050-195

#### **Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock**

Standardisarja IEC 60050 see osa esitab maandamist ja elektrilöögivastast kaitset puudutavad põhiterminid ja -määratlused. See uus väljaanne revideerib ja täiendab eelmist väljaannet. IEC juhise 108 (Guidelines for ensuring the coherence of IEC publications – Horizontal functions, horizontal publications and their application) kohaselt on sellel horisontaalse publikatsiooni staatus. Esitatud terminid on kooskõlas rahvusvahelise elektrotehnika sõnastiku muudes eriosades välja töötatud terminitega. See horisontaalne publikatsioon on ette nähtud kasutamiseks eeskätt tehnilistes komiteedes IEC publikatsioonide väljatöötamisel IEC juhises 108 esitatud põhimõtete kohaselt. Tehnilise komitee üks kohustustest on kasutada kus iganes oma publikatsioonide väljatöötamisel horisontaalseid publikatsioone.

Keel: en

Alusdokumendid: IEC 60050-195:2021

Asendab dokumenti: EVS-IEC 60050(195):2003

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 17 METROLOOGIA JA MÖÖTMINE. FÜSIKALISED NÄHTUSED

### EN 61340-2-1:2015/prA1:2021

#### **Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge (Proposed horizontal standard)**

This part of IEC 61340 describes test methods for measuring the rate of dissipation of static charge of insulating and static materials and products. It includes a generic description of test methods and detailed test procedures for specific applications. The two test methods for measuring charge decay time, one using corona charging and one using a charged metal plate are different and might not give equivalent results. Nevertheless, each method has a range of applications for which it is best suited. The corona charging method is suitable for evaluating the ability of materials, for example textiles, packaging, etc., to dissipate charge from their own surfaces. The charged metal plate method is suitable for evaluating the ability of materials and objects such as gloves, finger cots, hand tools, etc. to dissipate charge from conductive objects placed on or in contact with them. The charged plate method might not be suitable for evaluating the ability of materials to dissipate charge from their own surfaces. In addition to its general application, this horizontal standard is also intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 108. One of the responsibilities of a technical committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard shall not apply unless specifically referred to or included in the relevant publications.

Keel: en

Alusdokumendid: IEC 61340-2-1/AMD1 ED2; EN 61340-2-1:2015/prA1:2021

Muudab dokumenti: EVS-EN 61340-2-1:2015

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 25 TOOTMISTEHNOLGOOGIA

### prEN 16602-70-61

#### **Space product assurance - High-reliability soldering for surface mount, mixed technology and hand-mounted electrical connections**

This standard defines: - the basic requirements for the verification and approval of automatic machine wave soldering for use in spacecraft hardware. The process requirements for wave soldering of doublesided and multilayer boards are also defined. - the technical requirements and quality assurance provisions for the manufacture and verification of manually soldered, high-reliability electrical connections. - the technical requirements and quality assurance provisions for the manufacture and verification of high-reliability electronic circuits based on surface mounted device (SMD) and mixed technology. - the acceptance and rejection criteria for high reliability manufacture of manually-soldered electrical connections intended to withstand normal terrestrial conditions and the vibrational g-loads and environment imposed by space flight. - the proper tools, correct materials, design and workmanship. Workmanship standards are included to permit discrimination between proper and improper work. SCOPE This Standard defines the technical requirements and quality assurance provisions for the manufacture and verification

of high-reliability electronic circuits of surface mount, through hole and solderless assemblies. The Standard defines workmanship requirements, the acceptance and rejection criteria for high-reliability assemblies intended to withstand normal terrestrial conditions and the environment imposed by space flight. The mounting and supporting of components, terminals and conductors specified in this standard applies only to assemblies designed to continuously operate over the mission within the temperature limits of -55 °C to +85 °C at solder joint level. Requirements related to printed circuit boards are contained in ECSS-Q-ST-70-60 (equivalent to EN 16602-70-60) and ECSS-Q-ST-70-12 (equivalent to EN 16602-70-12). This Standard does not cover the qualification and acceptance of the EQM and FM equipment with high-reliability electronic circuits of surface mount, through hole and solderless assemblies. This Standard does not cover verification of thermal properties for component assembly. This Standard does not cover pressfit connectors. The qualification and acceptance tests of equipment manufactured in accordance with this Standard are covered by ECSS-EST-10-03 (equivalent to EN 16603-10-03).

Keel: en

Alusdokumendid: prEN 16602-70-61

Asendab dokumenti: EVS-EN 16602-70-07:2014

Asendab dokumenti: EVS-EN 16602-70-08:2015

Asendab dokumenti: EVS-EN 16602-70-38:2019

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN IEC 60974-12:2021**

#### **Arc welding equipment - Part 12: Coupling devices for welding cables**

This part of IEC 60974 is applicable to COUPLING DEVICES for cables used in arc welding and allied processes, designed for connection and disconnection without using tools. This part of IEC 60974 specifies safety and performance requirements of COUPLING DEVICES. This part of IEC 60974 is not applicable to COUPLING DEVICES for underwater welding.

Keel: en

Alusdokumendid: IEC 60974-12 ED4; prEN IEC 60974-12:2021

Asendab dokumenti: EVS-EN 60974-12:2011

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN ISO 1461**

#### **Hot dip galvanized coatings on fabricated iron and steel articles - Specifications and test methods (ISO/DIS 1461:2021)**

This document specifies the general properties of hot dip galvanized coatings and test methods for hot dip galvanized coatings applied by dipping fabricated iron and steel articles (including certain castings) in a zinc melt (containing not more than 2 % of other metals). It does not apply to the following: a) sheet, wire and woven or welded mesh products that are continuously hot dip galvanized; b) tube and pipe that are hot dip galvanized in automatic plants; c) hot dip galvanized products (e.g., fasteners) for which specific standards exist and which might include additional requirements or requirements which are different from those of this document. NOTE Individual product standards can incorporate this document for the galvanized coating by quoting its number, or can incorporate it with modifications specific to the product. Different requirements can also be made for galvanized coatings on products intended to meet specific regulatory requirements. After-treatment/additional coating of hot dip galvanized articles is not covered by this document.

Keel: en

Alusdokumendid: ISO/DIS 1461; prEN ISO 1461

Asendab dokumenti: EVS-EN ISO 1461:2009

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## **27 ELEKTRI- JA SOOJUSENERGEETIKA**

### **prEN ISO 18122**

#### **Solid biofuels - Determination of ash content (ISO/DIS 18122:2021)**

ISO 18122:2015 specifies a method for the determination of ash content of all solid biofuels.

Keel: en

Alusdokumendid: ISO/DIS 18122; prEN ISO 18122

Asendab dokumenti: EVS-EN ISO 18122:2015

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## **29 ELEKTROTEHNIKA**

### **EN 50642:2018/prA1**

#### **Cable management systems - Test method for content of halogens**

This document, EN 50642, specifies a method for the determination of the content of halogens in Cable Management System (CMS) components or products made of polymeric material(s). The determination is made by combustion and subsequent analysis of the combustion product by Ion Chromatography. This document specifies how CMS components or products can be declared as halogen free. This document is for environmental performance only.

Keel: en

Alusdokumendid: EN 50642:2018/prA1

Muudab dokumenti: EVS-EN 50642:2018

Arvamusküsitluse lõppkuupäev: 13.12.2021

#### [EN 61340-2-1:2015/prA1:2021](#)

### **Electrostatics - Part 2-1: Measurement methods - Ability of materials and products to dissipate static electric charge (Proposed horizontal standard)**

This part of IEC 61340 describes test methods for measuring the rate of dissipation of static charge of insulating and static materials and products. It includes a generic description of test methods and detailed test procedures for specific applications. The two test methods for measuring charge decay time, one using corona charging and one using a charged metal plate are different and might not give equivalent results. Nevertheless, each method has a range of applications for which it is best suited. The corona charging method is suitable for evaluating the ability of materials, for example textiles, packaging, etc., to dissipate charge from their own surfaces. The charged metal plate method is suitable for evaluating the ability of materials and objects such as gloves, finger cots, hand tools, etc. to dissipate charge from conductive objects placed on or in contact with them. The charged plate method might not be suitable for evaluating the ability of materials to dissipate charge from their own surfaces. In addition to its general application, this horizontal standard is also intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 108. One of the responsibilities of a technical committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard shall not apply unless specifically referred to or included in the relevant publications.

Keel: en

Alusdokumendid: IEC 61340-2-1/AMD1 ED2; EN 61340-2-1:2015/prA1:2021

Muudab dokumenti: EVS-EN 61340-2-1:2015

Arvamusküsitluse lõppkuupäev: 13.12.2021

#### [EN IEC 60730-2-14:2019/prA1](#)

### **Automatic electrical controls - Part 2-14: Particular requirements for electric actuators**

Amendment to EN IEC 60730-2-14:2019

Keel: en

Alusdokumendid: IEC 60730-2-14:2017/A1:2019; EN IEC 60730-2-14:2019/prA1

Muudab dokumenti: EVS-EN IEC 60730-2-14:2019

Arvamusküsitluse lõppkuupäev: 13.12.2021

#### [EN IEC 62271-102:2018/prA1:2021](#)

### **Amendment 1 - High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches**

Amendment to EN IEC 62271-102:2018

Keel: en

Alusdokumendid: IEC 62271-102/AMD1 ED2; EN IEC 62271-102:2018/prA1:2021

Muudab dokumenti: EVS-EN IEC 62271-102:2018

Arvamusküsitluse lõppkuupäev: 13.12.2021

#### [EN IEC 62751-1:2014/prA2:2021](#)

### **Amendment 2 - Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 1: General requirements**

Amendment to EN IEC 62751-1:2014

Keel: en

Alusdokumendid: IEC 62751-1/AMD2 ED1; EN IEC 62751-1:2014/prA2:2021

Muudab dokumenti: EVS-EN 62751-1:2014

Arvamusküsitluse lõppkuupäev: 13.12.2021

#### [prEN 50419:2021](#)

### **Marking of electrical and electronic equipment (EEE) in respect to separate collection of waste EEE (WEEE)**

Specification of marking of electrical and electronic equipment according to WEEE Directive

Keel: en

Alusdokumendid: prEN 50419:2021

Asendab dokumenti: EVS-EN 50419:2006

Arvamusküsitluse lõppkuupäev: 13.12.2021

#### [prEN IEC 60352-6:2021](#)

### **Solderless connections - Part 6: Insulation piercing connections - General requirements, test methods and practical guidance**

This part of IEC 60352 is applicable to insulation piercing connections made with stranded wires and tinsel wires, insulated flat conductors and flat flexible circuitries for use in electrical and electronic equipment. Information on materials and data from industrial experience is included in addition to the test procedures to provide electrically stable connections under prescribed

environmental conditions. The object of this standard is to – determine the suitability of insulation piercing connections under specified mechanical electrical, and atmospheric conditions; – provide a means of comparing test results when the tools used to make the connections are of different designs or manufacture. There are different designs and materials for insulation piercing terminations in use. For this reason, only fundamental parameters of the termination, the performance requirements of the conductor and the complete connection are specified in this standard.

Keel: en

Alusdokumendid: IEC 60352-6 ED2; prEN IEC 60352-6:2021

Asendab dokumenti: EVS-EN 60352-6:2002

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN IEC 60598-2-18:2021**

#### **Luminaires - Part 2: Particular requirements - Section 18: Luminaires for swimming pools and similar applications**

This part of IEC 60598 specifies requirements for fixed luminaires intended for use in the water, or in contact with the water, in, for example, the basins of swimming pools, fountains, paddling pools, and garden pools, for use with electric light sources. NOTE Electrical installation rules for swimming pools are given in IEC 60364-7-702. This document does not cover luminaires not in contact with the water (e.g. mounted behind a glass panel which is separate from the luminaire) or hand-held or portable luminaires.

Keel: en

Alusdokumendid: prEN IEC 60598-2-18:2021; IEC 60598-2-18 ED3 (34D/1629/CDV)

Asendab dokumenti: EVS-EN 60598-2-18:2003

Asendab dokumenti: EVS-EN 60598-2-18:2003/A1:2012

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN IEC 61558-2-2:2021**

#### **Safety of transformers, reactors, power supply units and combinations thereof - Part 2-2: Particular requirements and tests for control transformers and power supply units incorporating control transformers**

This part of IEC 61558 deals with the safety of control transformers and power supply units incorporating control transformers. Transformers incorporating electronic circuits are also covered by this document. NOTE 1 Safety includes electrical, thermal and mechanical aspects. Unless otherwise specified, from here onward, the term transformer covers control transformers and power supply units incorporating control transformers. For power supply units (linear) this document is applicable. For switch mode power supply units IEC 61558-2-16 is applicable together with this document. Where two requirements are in conflict, the most severe take precedence. This document does not apply to transformers covered by IEC 60076-11. This document is applicable to stationary or portable, single-phase or polyphase, air-cooled (natural or forced) independent or associated dry-type transformers. The windings can be encapsulated or non-encapsulated. The rated supply voltage does not exceed 1 000 V AC and the rated supply frequency and the internal operating frequencies do not exceed 500 Hz. The rated thermal output does not exceed: - 25 kVA for single-phase transformers, - 40 kVA for polyphase transformers; This document is applicable to transformers without limitation of the rated thermal output, subject to an agreement between the purchaser and the manufacturer. NOTE 2 Transformers intended to supply distribution networks are not included in the scope. The no-load output voltage or the rated output voltage does not exceed 1 000 V AC or 1 415 V ripple-free DC. For independent transformers the no-load output voltage and / or the rated output voltage is not less than 50 V AC or 120 V ripple-free DC. This document is not applicable to external circuits and their components intended to be connected to the input terminals and output terminals of the transformers. NOTE 3 Transformers covered by this document are only used in applications where double or reinforced insulation between circuits is not required by the installation rules or by the end product standard. NOTE 4 Normally the control transformers are intended to be used with equipment to provide voltages different from the supply voltage for the functional requirements of the equipment. The protection against electric shock may be provided or completed by other features of the equipment, such as the body. Parts of output circuits may be connected to the input circuits or to protective earthing. Attention is drawn to the following: - for transformers intended to be used in vehicles, on board ships, and aircraft, additional requirements (from other applicable standards, national rules, etc.); - measures to protect the enclosure and the components inside the enclosure against external influences such as fungus, vermin, termites, solar-radiation, and icing; - the different conditions for transportation, storage, and operation of the transformers; - additional requirements in accordance with other appropriate standards and national rules may be applicable to transformers intended for use in special environments. Future technological development of transformers may necessitate a need to increase the upper limit of the frequencies. Until then this document may be used as a guidance document. This GROUP SAFETY PUBLICATION focusing on SAFETY guidance is primarily intended to be used as a PRODUCT SAFETY STANDARD for the products mentioned in the scope, but is also intended to be used by TCs in the preparation of publications for products similar to those mentioned in the scope of this GROUP SAFETY PUBLICATION, in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the RESPONSIBILITIES of a TC is, wherever applicable, to make use of BSPs and/or GSPs in the preparation of its publications.

Keel: en

Alusdokumendid: IEC 61558-2-2 ED3; prEN IEC 61558-2-2:2021

Asendab dokumenti: EVS-EN 61558-2-2:2007

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 31 ELEKTROONIKA

### prEN 50419:2021

#### Marking of electrical and electronic equipment (EEE) in respect to separate collection of waste EEE (WEEE)

Specification of marking of electrical and electronic equipment according to WEEE Directive

Keel: en

Alusdokumendid: prEN 50419:2021

Asendab dokumenti: EVS-EN 50419:2006

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN IEC 63287-2:2021

#### Semiconductor devices - Guidelines for reliability qualification plans - Part 2: Concept of mission profile

This part of IEC 63287 gives guidelines for the development of reliability qualification plans using the concept of mission profile, based on the environmental conditioning and proposed usage of the product. This document is not intended for military- and space-related applications.

Keel: en

Alusdokumendid: IEC 63287-2 ED1; prEN IEC 63287-2:2021

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 33 SIDETEHNIKA

### prEN IEC 60153-4:2021

#### Hollow metallic waveguides - Part 4: Relevant specifications for circular waveguides

This part of IEC 60153 specifies straight hollow metallic tubing of circular cross section for use as waveguides in electronic equipment. The aim of this recommendation is to specify the hollow metallic waveguides: a) the details necessary to ensure compatibility and, as far as essential, interchangeability; b) test methods; c) uniform requirements for the electrical and mechanical properties. It should be noted that no recommendations are made for the materials to be used for waveguides. The choice of material is to be agreed upon by customer and manufacturer. This document should be read in conjunction with IEC 60153-1, which gives general requirements and test methods.

Keel: en

Alusdokumendid: IEC 60153-4 ED4; prEN IEC 60153-4:2021

Asendab dokumenti: EVS-EN 60153-4:2017

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 43 MAANTEESÕIDUKITE EHITUS

### prEN 17750

#### Agricultural and forestry machinery - Light-signalling devices and installation on mounted implements

This document applies to front and rear-mounted implements on agricultural or forestry tractors, trailers or on towed machinery. It specifies the requirements for lighting and light-signalling devices to be installed on the implement for safe on-road use.

Keel: en

Alusdokumendid: prEN 17750

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN IEC 63119-2:2021

#### Information exchange for Electric Vehicle charging roaming service - Part 2: Use cases

The Standard specifies roaming use cases of information exchange between EV Charge Service Providers (CSP), Charging Station Operators (CSOs) and Clearing House platforms through roaming endpoints. The elementary use cases defined in this document of IEC 63119-2 are designed to support the user to have access to the EV supply equipment which doesn't belong to the Home-CSP. IEC 63119 series are applicable to high-level communication involved in information exchange/interaction between different CSPs, as well as between a CSP and CSO with or without Clearing House platform through the roaming endpoint. IEC 63119 series do not specify the communication either between Charging Station (CS) and Charging Station Operator (CSO) or between EV and CS.

Keel: en

Alusdokumendid: IEC 63119-2 ED1; prEN IEC 63119-2:2021

Arvamusküsitluse lõppkuupäev: 13.12.2021

## prEN ISO 15118-4

### Road vehicles - Vehicle to grid communication interface - Part 4: Network and application protocol conformance test (ISO/DIS 15118-4:2021)

This document specifies conformance tests in the form of an abstract test suite (ATS) for a system under test (SUT) implementing an EVCC or SECC according to ISO 15118-2. These conformance tests specify the testing of capabilities and behaviors of an SUT as well as checking what is observed against the conformance requirements specified in ISO 15118-2 and against what the supplier states the SUT implementation's capabilities are. The capability tests within the ATS check that the observable capabilities of the SUT are in accordance with the static conformance requirements defined in ISO 15118-2. The behavior tests of the ATS examine an implementation as thoroughly as is practical over the full range of dynamic conformance requirements defined in ISO 15118-2 and within the capabilities of the SUT (see NOTE). A test architecture is described in correspondence to the ATS. The conformance test cases in this part of the standard are described leveraging this test architecture and are specified in TTCN-3 Core Language for ISO/OSI Network Layer (Layer 3) and above. The conformance test cases for the Data Link Layer (Layer 2) and Physical Layer (Layer 1) are described in Part 5 of this standard. Test cases with overlapping scopes are explicitly detailed. This document does not include specific tests of other standards referenced within ISO 15118-2, e.g. IETF RFCs. Furthermore, the conformance tests specified in this International Standard do not include the assessment of performance nor robustness or reliability of an implementation. They cannot provide judgments on the physical realization of abstract service primitives, how a system is implemented, how it provides any requested service, nor the environment of the protocol implementation. Furthermore, the test cases defined in this standard only consider the communication protocol defined ISO 15118-2. Power flow between the EVSE and the EV is not considered. NOTE 1 Practical limitations make it impossible to define an exhaustive test suite, and economic considerations may restrict testing even further. Hence, the purpose of this part is to increase the probability that different implementations can interwork. This is achieved by verifying them by means of a protocol test suite, thereby increasing the confidence that each implementation conforms to the protocol specification. However, the specified protocol test suite cannot guarantee conformance to the specification since it detects errors rather than their absence. Thus, conformance to a test suite alone cannot guarantee interworking. What it does do is give confidence that an implementation has the required capabilities and that its behavior conforms consistently in representative instances of communication. NOTE 2 This standard has some interdependencies to the conformance tests defined in ISO 15118-5 which result from ISO/OSI cross layer dependencies in the underlying protocol specification (e.g. for sleep mode).

Keel: en

Alusdokumendid: ISO/DIS 15118-4; prEN ISO 15118-4

Asendab dokumenti: EVS-EN ISO 15118-4:2019

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 45 RAUDTEETEHNIKA

### EN 45545-2:2020/prA1

#### Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components

This part of EN 45545 specifies the reaction to fire performance requirements for materials and products used on railway vehicles as defined in EN 45545-1. The operation and design categories defined in EN 45545-1 are used to establish hazard levels that are used as the basis of a classification system. For each hazard level, this part specifies the test methods, test conditions and reaction to fire performance requirements. It is not within the scope of this European Standard to describe measures that ensure the preservation of the vehicles in the event of a fire.

Keel: en

Alusdokumendid: EN 45545-2:2020/prA1

Muudab dokumenti: EVS-EN 45545-2:2020

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN 16207

#### Railway applications - Braking - Functional and performance criteria of Magnetic Track Brake systems for use in railway rolling stock

This document specifies the functionality, position, constraints and control of a magnetic track brake system (MTB system) installed in bogies for use in emergency braking and in low adhesion conditions on Mainline Trains with speeds up to 280 km/h. It covers high suspension types of MTB only and not high/low and low suspension type of MTB. This document also contains test methods and acceptance criteria for an MTB system. It identifies interfaces with electrical equipment, bogie, track and other brake systems. On the basis of the existing international and national standards, additional requirements are defined for: - conditions of application for the MTB system; - retardation and brake forces; - functional and design features; - strength requirements; - type, series and vehicle implementation tests. For design and calculation a "reference surface" is established.

Keel: en

Alusdokumendid: prEN 16207

Asendab dokumenti: EVS-EN 16207:2014+A1:2019

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 47 LAEVAEHITUS JA MERE-EHITISED

### prEN 17763

#### **Centrifuges - Marine fuel centrifuges - Determination of particle separation performance and certified flow rate (CFR) under defined test conditions**

This document specifies the procedure for the determination of the certified flow rate (CFR), a performance parameter for centrifuges, at specific fuel oil viscosities using a defined test oil and a defined test procedure. This document is applicable to marine fuel centrifuges. All values reported as CFR capacities are verified measured values on a defined CFR test bench. Scaling based on Stoke's law and disc stack design is excluded from this document. Separation efficiency is determined by a defined particle counting method.

Keel: en

Alusdokumendid: prEN 17763

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 49 LENNUNDUS JA KOSMOSETEHNIKA

### prEN 16602-60

#### **Space product assurance - Electrical, electronic and electromechanical (EEE) components**

The Scope of the Standard remains unchanged. This standard defines the requirements for selection, control, procurement and usage of EEE components for space projects. This standard differentiates between three classes of components through three different sets of standardization requirements (clauses) to be met. The three classes provide for three levels of trade-off between assurance and risk. The highest assurance and lowest risk is provided by class 1 and the lowest assurance and highest risk by class 3. Procurement costs are typically highest for class 1 and lowest for class 3. Mitigation and other engineering measures may decrease the total cost of ownership differences between the three classes. The project objectives, definition and constraints determine which class or classes of components are appropriate to be utilised within the system and subsystems. a. Class 1 components are described in Clause 4. b. Class 2 components are described in Clause 5 c. Class 3 components are described in Clause 6. The requirements of this document apply to all parties involved at all levels in the integration of EEE components into space segment hardware and launchers.

Keel: en

Alusdokumendid: prEN 16602-60

Asendab dokumenti: EVS-EN 16602-60:2015

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN 16602-60-13

#### **Space product assurance - Commercial electrical, electronic and electromechanical (EEE) components**

This standard defines the requirements for selection, control, procurement and usage of EEE commercial components for space projects. This standard is applicable to commercial parts from the following families: - Ceramic capacitors chips - Solid electrolyte tantalum capacitors chips - Discrete parts (transistors, diodes, optocouplers) - Fuses - Magnetic parts - Microcircuits - Resistors - Thermistors Other families of EEE components are not addressed by the present ECSS standard doesn't mean that they are forbidden in commercial grade.

Keel: en

Alusdokumendid: prEN 16602-60-13

Asendab dokumenti: EVS-EN 16602-60-13:2015

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN 16602-70-61

#### **Space product assurance - High-reliability soldering for surface mount, mixed technology and hand-mounted electrical connections**

This standard defines: - the basic requirements for the verification and approval of automatic machine wave soldering for use in spacecraft hardware. The process requirements for wave soldering of double-sided and multilayer boards are also defined. - the technical requirements and quality assurance provisions for the manufacture and verification of manually soldered, high-reliability electrical connections. - the technical requirements and quality assurance provisions for the manufacture and verification of high-reliability electronic circuits based on surface mounted device (SMD) and mixed technology. - the acceptance and rejection criteria for high reliability manufacture of manually-soldered electrical connections intended to withstand normal terrestrial conditions and the vibrational g-loads and environment imposed by space flight. - the proper tools, correct materials, design and workmanship. Workmanship standards are included to permit discrimination between proper and improper work. SCOPE This Standard defines the technical requirements and quality assurance provisions for the manufacture and verification of high-reliability electronic circuits of surface mount, through hole and solderless assemblies. The Standard defines workmanship requirements, the acceptance and rejection criteria for high-reliability assemblies intended to withstand normal terrestrial conditions and the environment imposed by space flight. The mounting and supporting of components, terminals and conductors specified in this standard applies only to assemblies designed to continuously operate over the mission within the temperature limits of -55 °C to +85 °C at solder joint level. Requirements related to printed circuit boards are contained in ECSS-Q-ST-70-60 (equivalent to EN 16602-70-60) and ECSS-Q-ST-70-12 (equivalent to EN 16602-70-12). This Standard does not cover the qualification and acceptance of the EQM and FM equipment with high-reliability electronic circuits of surface mount, through hole and solderless assemblies. This Standard does not cover verification of thermal properties for component

assembly. This Standard does not cover pressfit connectors. The qualification and acceptance tests of equipment manufactured in accordance with this Standard are covered by ECSS-EST-10-03 (equivalent to EN 16603-10-03).

Keel: en

Alusdokumendid: prEN 16602-70-61

Asendab dokumenti: EVS-EN 16602-70-07:2014

Asendab dokumenti: EVS-EN 16602-70-08:2015

Asendab dokumenti: EVS-EN 16602-70-38:2019

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN 16603-20**

#### **Space engineering - Electrical and electronic**

This Standard establishes the basic rules and general principles applicable to the electrical, electronic, electromagnetic, microwave and engineering processes. It specifies the tasks of these engineering processes and the basic performance and design requirements in each discipline. It defines the terminology for the activities within these areas. It defines the specific requirements for electrical subsystems and payloads, deriving from the system engineering requirements laid out in EN 16603-10 (equivalent of ECSS-E-ST-10 "Space engineering - System engineering general requirements".)

Keel: en

Alusdokumendid: prEN 16603-20

Asendab dokumenti: EVS-EN 16603-20:2020

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## **53 TÖSTE- JA TEISALDUSSEADMED**

### **prEN ISO 6683**

#### **Earth-moving machinery - Seat belts and seat belt anchorages - Performance requirements and tests (ISO/DIS 6683:2021)**

This document establishes the minimum performance requirements and tests for seat belts and seat belt anchorages on earth-moving machinery, necessary to restrain an occupant or rider within a roll-over protective structure (ROPS) in the event of a machine roll-over (see ISO 3471, ISO 12117-2, and ISO 13459), or within a tip-over protection structure (TOPS) in the event of a machine tip-over (see ISO 12117). This document is not applicable to seat belts and seat belt anchorages manufactured before the date of its publication.

Keel: en

Alusdokumendid: ISO/DIS 6683; prEN ISO 6683

Asendab dokumenti: EVS-EN ISO 6683:2008

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## **55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID**

### **prEN 12374**

#### **Packaging - Flexible tubes - Terminology**

This standard defines the technical vocabulary in German, French and English, widely in use for flexible tubes. It is applicable to metal, plastic, multilayer or laminated tubes that are used for packing pharmaceutical, cosmetic, hygiene, food and other domestic or industrial products.

Keel: en

Alusdokumendid: prEN 12374

Asendab dokumenti: EVS-EN 12374:2009

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN 12377**

#### **Packaging - Flexible tubes - Test method for the air tightness of closures**

This document specifies a test method for airtightness of the closures for flexible tubes. It is applicable to flexible tubes used for packing pharmaceutical, cosmetic, hygiene, food and other domestic and industrial products. It is not applicable to flexible tubes with external applicators added on to the tube by the consumer and pumps.

Keel: en

Alusdokumendid: prEN 12377

Asendab dokumenti: EVS-EN 12377:2014

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### **prEN 13048**

#### **Packaging - Flexible aluminium tubes - Internal lacquer film thickness measurement method**

This document specifies a method for the determination of the thickness of the lacquer film applied inside cylindrical and conical aluminium tubes. The method is a reference. It can also be used as a reference when calibrating other electronic instruments suitable for determining coating weight thickness, e.g. by capacitance measurement by eddy current. It is applicable to aluminium tubes used for packing pharmaceutical, cosmetic, hygiene, food and other domestic products. NOTE Although not



specified in this standard there are available suitable automatic film thickness measurement instruments that provide instantaneous results with good accuracy ( $< 1 \mu\text{m}$ ).

Keel: en

Alusdokumendid: prEN 13048

Asendab dokumenti: EVS-EN 13048:2009

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 59 TEKSTIILI- JA NAHATEHNOLOOGIA

### prEN ISO 14268

#### Leather - Physical and mechanical tests - Determination of water vapour permeability (ISO/DIS 14268:2021)

This International Standard describes a method for determining the water vapour permeability of leather and provides alternative methods of sample preparation and for the measurement procedure.

Keel: en

Alusdokumendid: ISO/DIS 14268; prEN ISO 14268

Asendab dokumenti: EVS-EN ISO 14268:2012

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 65 PÖLLUMAJANDUS

### prEN 17750

#### Agricultural and forestry machinery - Light-signalling devices and installation on mounted implements

This document applies to front and rear-mounted implements on agricultural or forestry tractors, trailers or on towed machinery. It specifies the requirements for lighting and light-signalling devices to be installed on the implement for safe on-road use.

Keel: en

Alusdokumendid: prEN 17750

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 73 MÄENDUS JA MAAVARAD

### prEN 16306

#### Natural stone test methods - Determination of resistance of marble to thermal and moisture cycles

This document specifies a laboratory method for determining the resistance to thermal and moisture cycling of marble intended for the external cladding of building facades. For scientific definition of marble, reference is made to EN 12670 Terminology: 2.1.243 a. NOTE Bowing and rapid strength loss is known to occur in some marbles when used as exterior cladding.

Keel: en

Alusdokumendid: prEN 16306

Asendab dokumenti: EVS-EN 16306:2013

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 75 NAFTA JA NAFTATEHNOLOOGIA

### prEN ISO 18122

#### Solid biofuels - Determination of ash content (ISO/DIS 18122:2021)

ISO 18122:2015 specifies a method for the determination of ash content of all solid biofuels.

Keel: en

Alusdokumendid: ISO/DIS 18122; prEN ISO 18122

Asendab dokumenti: EVS-EN ISO 18122:2015

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 83 KUMMI- JA PLASTITÖÖSTUS

### prEN 1417

#### Plastics and rubber machines - Two-roll mills - Safety requirements

This European Standard deals with all significant hazards, hazardous situations and events relevant to two-roll mills for the processing of rubber and/or plastics, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European Standard covers two-roll mills as defined in 3.1. This European Standard does not deal with the design of a local exhaust ventilation system that may be necessary in specific applications of

the machine not known by the manufacturer. This European Standard is not applicable to two-roll mills manufactured before the date of its publication as an European Standard.

Keel: en

Alusdokumendid: prEN 1417

Asendab dokumenti: EVS-EN 1417:2015

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN ISO 11339

#### **Adhesives - T-peel test for flexible-to-flexible bonded assemblies (ISO/FDIS 11339:2021)**

This document specifies a T-peel test for the determination of the peel resistance of an adhesive by measuring the peeling force of a T-shaped bonded assembly of two flexible adherends. This test procedure does not provide design information. NOTE This method was originally developed for use with metal adherends but other, flexible, adherends can also be used.

Keel: en

Alusdokumendid: ISO/FDIS 11339; prEN ISO 11339

Asendab dokumenti: EVS-EN ISO 11339:2010

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN ISO 11403-2

#### **Plastics - Acquisition and presentation of comparable multipoint data - Part 2: Thermal and processing properties (ISO/DIS 11403-2:2021)**

This part of ISO 11403 specifies test procedures for the acquisition and presentation of multipoint data on the following thermal and processing properties of plastics: — enthalpy/temperature curve; — linear-expansion/temperature curve; — melt shear viscosity.

Keel: en

Alusdokumendid: ISO/DIS 11403-2; prEN ISO 11403-2

Asendab dokumenti: EVS-EN ISO 11403-2:2012

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

## 87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

### prEN 50059

#### **Electrostatic hand-held spraying equipment - Safety requirements - Hand-held spraying equipment for non-ignitable liquid coating materials**

1.1 This document specifies the requirements for hand-held or hand-operated electrostatic spraying equipment for non-ignitable liquid coating materials which — do not generate an explosive atmosphere inside the spraying area, — are used to process materials with a conductivity of less than 2 000  $\mu\text{S}/\text{cm}$ , and — operate with direct current having a sinusoidal ripple of not more than 10 % of the rms value. This document deals with all electrical hazards significant for the electrostatic spraying of non-ignitable liquid coating materials, which could also contain small quantities of added metal particles, if the work is carried out under conditions recommended by the manufacturer. This document specifies the design-related and test requirements for electrostatic spraying equipment of type A-NL according to of EN 50348:2010, Table 1. 1.2 With regard to all other significant hazards relevant for applicators (e.g. ejection of fluids, mechanical strength, electrical (with the exception of electrostatic) hazards, noise, contact with or inhalation of dangerous substances, ergonomics), the requirements of EN 1953 apply. 1.3 This document also gives details regarding quality assurance systems for electrostatic spraying equipment; see Annex D. 1.4 For electrostatic spraying equipment used in food and pharmaceutical industry, additional requirements could apply. 1.5 This document is not applicable to: — electrostatic hand-held spraying equipment for non-ignitable coating materials which are manufactured before the date of its publication, — cleaning of spraying areas, see instruction manual of the spraying booth, — fire prevention and protection (for instance fire hazards due to other sources; see EN 16985), — requirements for machinery for the supply and recirculation of coating material under pressure (see EN 12621). The requirements of EN 12621 apply in terms of specific requirements regarding machinery for the supply and recirculation of coating materials under pressure.

Keel: en

Alusdokumendid: prEN 50059

Asendab dokumenti: EVS-EN 50059:2018

**Arvamusküsitluse lõppkuupäev: 13.11.2021**

## 91 EHITUSMATERJALID JA EHITUS

### prEN 12390-19

#### **Testing of hardened concrete - Part 19: Determination of resistivity**

This document describes a method for determining the electrical resistivity of concrete in water saturated conditions. Two methods of measuring the resistivity are standardized: the volumetric method (see 3.1.3), which is the reference method, and the surface method (see 3.1.4). NOTE The volumetric method is applicable to cast specimens or cores, while the surface method is suitable for use on cast specimens, cores and on construction site, but not all these applications are covered in this document. The method can be applied to the normal range of concretes covered by current standards. It does not cover the concretes made with porous aggregates or having metallic components. The use of resistivity to assess the potential for corrosion of reinforcement in existing structures is not specified in this document. The use of resistivity to assess cores taken from an existing structure, which need pre-condition on water saturation, is not directly specified in this document.

Keel: en  
Alusdokumendid: prEN 12390-19  
Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN 16306

#### **Natural stone test methods - Determination of resistance of marble to thermal and moisture cycles**

This document specifies a laboratory method for determining the resistance to thermal and moisture cycling of marble intended for the external cladding of building facades. For scientific definition of marble, reference is made to EN 12670 Terminology: 2.1.243 a. NOTE Bowing and rapid strength loss is known to occur in some marbles when used as exterior cladding.

Keel: en  
Alusdokumendid: prEN 16306  
Asendab dokumenti: EVS-EN 16306:2013

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 93 RAJATISED

### prEN 12697-47

#### **Bituminous mixtures - Test methods - Part 47: Determination of the ash content of natural asphalts**

This document describes a test method to determine the ash content in natural asphalts (including lake asphalts), binders containing natural asphalts or bitumens. For the method to apply, it is essential that any mineral matter in the binder be finely divided and cannot exceed 45 % by mass.

Keel: en  
Alusdokumendid: prEN 12697-47  
Asendab dokumenti: EVS-EN 12697-47:2010

Arvamusküsitluse lõppkuupäev: 13.12.2021

## 97 OLME. MEELELAHUTUS. SPORT

### EN 71-13:2021/prA1

#### **Safety of toys - Part 13: Olfactory board games, cosmetic kits and gustative games**

This document applies to olfactory board games, cosmetic kits, gustative games and supplementary sets. It specifies requirements on the use of substances and mixtures and in some cases on their amount and concentration in olfactory board games, cosmetic kits, gustative games and supplementary sets to such games or kits. These substances and mixtures are: - those classified as hazardous by the EC-legislation applying to hazardous substances [13] and hazardous mixtures [13]; - substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as hazardous by the above-mentioned legislation; and - any other chemical substance(s) and mixture(s) delivered with the set. Furthermore, this document specifies allergenic fragrances which are prohibited in toys, marking requirements, in particular regarding allergenic fragrances, and requirements on a contents list, instructions for use, the equipment intended to be used during the activity and the use of highly flammable liquids. This document does not apply to cosmetic toys such as play cosmetics for dolls. NOTE The terms "substance" and "mixture" are defined in the REACH regulation (EC) No. 1907/2006 [14] and in the CLP regulation (EC) No. 1272/2008 [13].

Keel: en  
Alusdokumendid: EN 71-13:2021/prA1  
Muudab dokumenti: EVS-EN 71-13:2021

Arvamusküsitluse lõppkuupäev: 13.12.2021

### EN IEC 60730-2-14:2019/prA1

#### **Automatic electrical controls - Part 2-14: Particular requirements for electric actuators**

Amendment to EN IEC 60730-2-14:2019

Keel: en  
Alusdokumendid: IEC 60730-2-14:2017/A1:2019; EN IEC 60730-2-14:2019/prA1  
Muudab dokumenti: EVS-EN IEC 60730-2-14:2019

Arvamusküsitluse lõppkuupäev: 13.12.2021

### prEN 15544

#### **One off Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) - Dimensioning**

This standard specifies calculations for the dimensioning of Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) based upon the required nominal heat output of the stove as declared by the producer. The Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) are of individual one-off construction design. The standard can be used for log wood fired Kachelöfen (tile stoves) that burn one fuel load per storage period with a maximum load between 10 kg and 40 kg and a storage period (nominal heating time) between 8 h and 24 h. This standard is valid for Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) equipped with fireclay as interior material, with an apparent density between 1,750 kg/m<sup>3</sup> and 2,200 kg/m<sup>3</sup>, a degree of porosity from 18 % up

to 33 % by volume and a heat conductivity from 0,65 W/mK up to 0,90 W/mK (temperature range 20 °C to 400 °C). This standard is valid for Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) with sidewise combustion air supply of the combustion chamber and an inflow speed from 2 m/s to 4 m/s, whereas the height of the lowest opening is at least 5 cm above the bottom of the combustion chamber. This standard is not valid for combinations with water heat exchangers for central heating or other heat absorbing elements like glass plates greater than 1/6 of the combustion chamber surface, open water tanks, etc. It is also not valid for combinations with heating/fireplace elements according to EN 13229. Furthermore this standard is not valid for mass-produced prefabricated or partly prefabricated slow heat release appliances according to EN 15250. NOTE Although for the purposes of this standard these calculations are applicable only to the requirements of this standard, the same calculations can be used for other purposes, e.g. to verify emission levels and energy efficiency in case of burning log wood or wood briquettes according to the producer's manual.

Keel: en

Alusdokumendid: prEN 15544

Asendab dokumenti: EVS-EN 15544:2009

Asendab dokumenti: EVS-EN 15544:2009/AC:2013

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN IEC 60598-2-18:2021

#### **Luminaires - Part 2: Particular requirements - Section 18: Luminaires for swimming pools and similar applications**

This part of IEC 60598 specifies requirements for fixed luminaires intended for use in the water, or in contact with the water, in, for example, the basins of swimming pools, fountains, paddling pools, and garden pools, for use with electric light sources. NOTE Electrical installation rules for swimming pools are given in IEC 60364-7-702. This document does not cover luminaires not in contact with the water (e.g. mounted behind a glass panel which is separate from the luminaire) or hand-held or portable luminaires.

Keel: en

Alusdokumendid: prEN IEC 60598-2-18:2021; IEC 60598-2-18 ED3 (34D/1629/CDV)

Asendab dokumenti: EVS-EN 60598-2-18:2003

Asendab dokumenti: EVS-EN 60598-2-18:2003/A1:2012

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN ISO 25649-1

#### **Floating leisure articles for use on and in the water - Part 1: Classification, materials, general requirements and test methods (ISO/DIS 25649-1:2021)**

This document specifies safety requirements and test methods related to materials, safety, performance for classified floating leisure articles for use on and in water in accordance with Clause 4 (see Table 1). This document is only applicable with ISO 25649-2:20xx and the relevant specific parts (ISO 25649-3:20xx to ISO 25649-7:20xx). NOTE 1 Specific safety requirements are specified in ISO 25649-3 to ISO 25649-7. NOTE 2 The specific parts can include exclusions from the general requirements specified in this document and/or ISO 25649-2. This document is not applicable to: — aquatic toys according to European Directive 2009/48/EC (use in shallow waters/use under supervision); — inflatable boats with a buoyancy > 1 800 N according to European Directive 2013/53/EU; — buoyant aids for swimming instructions according to European Directive 2016/425/EU; — air mattresses which are not specifically designed or intended for use on the water (e.g. velour bed, self inflating mattress and rubberized cotton air mattress); — floating seats for angling purposes; — surf sports type devices (e.g. body boards, surf boards); — water ski, wakeboard or kite surfing board; — devices made from rigid materials e.g. wood, aluminium, hard or non-deformable plastic; — devices which are kept in shape by permanent air flow; — rings intended for use on water slides; — wading devices.

Keel: en

Alusdokumendid: ISO/DIS 25649-1; prEN ISO 25649-1

Asendab dokumenti: EVS-EN ISO 25649-1:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN ISO 25649-2

#### **Floating leisure articles for use on and in the water - Part 2: Consumer information (ISO/DIS 25649-2:2021)**

This document specifies consumer information for classified floating leisure articles for use on and in water according to ISO 25649-1:20xx. This document is applicable with ISO 25649-1:20xx and the relevant specific parts (ISO 25649-3:20xx to ISO 25649-7:20xx). NOTE 1 Specific safety requirements are specified in the specific parts ISO 25649-3 to ISO 25649-7. NOTE 2 The specific parts can include exclusions from the general requirements specified in this document and/or ISO 25649-1.

Keel: en

Alusdokumendid: ISO/DIS 25649-2; prEN ISO 25649-2

Asendab dokumenti: EVS-EN ISO 25649-2:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

### prEN ISO 25649-3

#### **Floating leisure articles for use on and in the water - Part 3: Additional specific safety requirements and test methods for Class A devices (ISO/DIS 25649-3:2021)**

This document is applicable for CLASS A classified floating leisure articles for use on and in water according to ISO 25649-1:20xx regardless whether the buoyancy is achieved by inflation or inherent buoyant material. This document is to be applied with ISO 25649-1:20xx and ISO 25649-2:20xx. NOTE 1 Typical products forming Class A (see Annex A): — “Floating Islands” in near round or square shaped forms decorated with palm tree, sun shade, etc. high superstructure; — large floats/rafts in various forms from round to square; — large floating tubes, giant tubes (inflatable or inherently buoyant); — floating arm chairs, seats and sun beds; — air mattresses for use on the water; — recreational rafts/floating platforms/pontoons. NOTE 2 Typical places for application: — pools; — protected areas of lakes, ponds; — protected area sea shore (no offshore winds, no currents).

Keel: en

Alusdokumendid: ISO/DIS 25649-3; prEN ISO 25649-3

Asendab dokumenti: EVS-EN ISO 25649-3:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

#### **prEN ISO 25649-4**

### **Floating leisure articles for use on and in the water - Part 4: Additional specific safety requirements and test methods for Class B devices (ISO/DIS 25649-4:2021)**

This document specifies safety requirements and test methods related to materials, safety, performance and consumer information for classified floating leisure articles for use on and in the water according to ISO 25649-1:20xx. This document is to be applied with ISO 25649-1:20xx and ISO 25649-2:20xx. This document is applicable for Class B floating leisure articles for use on and in the water according to ISO 25649-1:20xx regardless whether the buoyancy is achieved by inflation or inherent buoyant material. Class B devices provide a buoyant structure with one or more body openings into which the user is positioned partly immersed. NOTE 1 Typical products forming Class B (see Annex B): — floating rafts with interior body holding system (“swim seats”) mostly in circular or square shape, fantasy shape for playing purposes; — floating fantasy shaped structures with one or more openings to host a child’s body, with or without body holding system; — floating with slits or openings to put legs through any shape; — floating rings with interior seat segments inside the circular body opening. NOTE 2 Typical places for application: — pools; — protected areas of lakes, ponds; — protected area sea shore (no offshore winds, no currents).

Keel: en

Alusdokumendid: ISO/DIS 25649-4; prEN ISO 25649-4

Asendab dokumenti: EVS-EN ISO 25649-4:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

#### **prEN ISO 25649-5**

### **Floating leisure articles for use on and in the water - Part 5: Additional specific safety requirements and test methods for Class C devices (ISO/DIS 25649-5:2021)**

This document is applicable for CLASS C classified floating leisure articles for use on and in water according to ISO 25649-1:20xx regardless whether the buoyancy is achieved by inflation or inherent buoyant material. This document is to be applied with ISO 25649-1:20xx and ISO 25649-2:20xx. NOTE 1 Typical products forming class C (see Annex B): — tube riders towable with interior holding facility and closed cockpit; — raft riders towable; — board riders towable; — banana type towable. NOTE 2 Typical places for application: — distant from bathing areas and other frequented water surfaces, wide empty spaces, dedicated racetracks (parcours); — no to little waves; — no strong currents.

Keel: en

Alusdokumendid: ISO/DIS 25649-5; prEN ISO 25649-5

Asendab dokumenti: EVS-EN ISO 25649-5:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

#### **prEN ISO 25649-6**

### **Floating leisure articles for use on and in the water - Part 6: Additional specific safety requirements and test methods for Class D devices (ISO/DIS 25649-6:2021)**

This document is applicable for Class D floating leisure articles for use on and in water according to ISO 25649-1:20xx regardless whether the buoyancy is achieved by inflation or inherent buoyant material. This document is to be applied with ISO 25649-1:20xx and ISO 25649-2:20xx. NOTE 1 Typical products forming Class D (see Annex A): — inflatable climbing structures on the water; — bouncing platforms; — inflatable slides; — water trampolines; — teeter totters; — obstacle courses. NOTE 2 Typical places for application: — pools; — lakes, ponds; — open sea; — sea shore (no offshore winds, no currents). The following devices are excluded from the scope of this document: — devices exceeding 4,5 m height with regard to those risks resulting from extreme height (see Annex B).

Keel: en

Alusdokumendid: ISO/DIS 25649-6; prEN ISO 25649-6

Asendab dokumenti: EVS-EN ISO 25649-6:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

#### **prEN ISO 25649-7**

### **Floating leisure articles for use on and in the water - Part 7: Additional specific safety requirements and test methods for Class E devices (ISO/DIS 25649-7:2021)**

This document is applicable for Class E floating leisure articles for use on and in water according to ISO 25649-1:2021 regardless whether the buoyancy is achieved by inflation or inherent buoyant material. This document is applicable with ISO 25649-1:20xx and ISO 25649-2:20xx. Class E devices are intended for use in bathing areas or in protected and safe shore zones. NOTE 1 Typical products forming Class E (see Annex F): — inflatable boats for rowing or paddling of near oval shape

with or without transom; — canoes and kayaks; — inflatable boats made from plastic sheets or from reinforced materials; — motor kit/sail kit as additional option. NOTE 2 Typical places for application of Class E devices: — moving from A to B for pleasure purposes; — staying on the water for relaxing; — moving from shore to the main boat, transportation of persons and load (tender boat).

Keel: en

Alusdokumendid: ISO/DIS 25649-7; prEN ISO 25649-7

Asendab dokumenti: EVS-EN ISO 25649-7:2017

**Arvamusküsitluse lõppkuupäev: 13.12.2021**

# TÖLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlkekavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## **EVS-EN 16907-2:2018**

### **Mullatööd Osa 2: Materjalide klassifitseerimine**

See dokument määratleb kirjelduste ja klassifikatsioonide ühise aluse, mida kasutavad kõik mullatööde projekteerimise, kavandamise ja ehitamisega seotud osapooled. See dokument määrab mullatööde materjalide kirjeldamisel ja klassifitseerimisel kasutatava toimingud ja omadused. See määrab pinnase- ja kaljurühmad, millel põhinevad pinnaserajatise osade materjalide kirjeldused. See klassifikatsioon on seotud pinnase- ja kaljumaterjalide füüsikaliste ja keemiliste omadustega. MÄRKUS 1 Standarditega EN ISO 14688-1 ja EN ISO 14689 kehtestatud pinnase ja kalju kirjeldamise meetodid ning standardis EN ISO 14688-2 sätestatud pinnase klassifitseerimise meetod on mullatööde puhul kohaldatavad, kuid selles standardis esitatud mullatööde klassifikatsiooni ulatus ja käsitlusala on üksikasjalikum ja orienteeritud mullatööde toimingute ja pinnaserajatise osade erinõuetele. MÄRKUS 2 Standardi EN 16907-1:2018 lisades esitatakse selgitavaid näiteid olemasolevate siseriiklikel kogemustel põhinevate klassifitseerimissüsteemide ja nende kasutamise kohta.

Keel: et

Alusdokumendid: EN 16907-2:2018

**Kommenteerimise lõppkuupäev: 13.11.2021**

## **EVS-EN 60839-11-2:2015**

### **Häire- ja elektroonilised turvasüsteemid. Osa 11-2: Elektrooniliste läbipääsu kontrollsüsteemide standard. Rakendusjuhised**

Standardi IEC 60839 see osa määratleb minimaalseid nõudeid ja juhiseid elektrooniliste läbipääsu kontrollsüsteemide (EACS) ja/või lisaseadmete paigaldamisele ja käitamisele, et need vastaksid erinevatele kaitsetasemetele. See standard sisaldab nõudeid hoonetele ja aladele ning nende ümbrusesse paigaldatud EACSi projekteerimiseks, paigaldamise, kasutuselevõtmise, hooldamise ja dokumentatsiooni kohta. Seadmete funktsioonid on määratletud standardis IEC 60839-11-1. Kui EACS sisaldab funktsioone, mis on seotud paanikahäirega või sissetungijate avastamisega, kohaldatakse ka sissetungi ja paanikahäirega seotud standardite nõudeid. See standard annab rakendusjuhised, mille eesmärk on aidata EACSi loomise eest vastutavatel isikutel kindlaks teha EACSi asjakohane projekteerimine ja planeerimine, seda nii kaitsetasemete kui ka sooritustasemete osas, mis on vajalik iga paigalduse jaoks sobivaks peetava läbipääsu kontrolli ja kaitsetaseme tagamiseks. See saavutatakse elektrooniliste läbipääsu kontrollsüsteemide turvalisuse funktsionaalsusega seotud funktsioonide skaleerimise või klassifitseerimisega (nt tuvastamine, läbipääsupunkti aktiveerimine, läbipääsupunkti jälgimine, duress märguanne ja süsteemi enesekaitse) vastavalt teadaolevatele või tajutavatele ohutingimustele. See standard ei hõlma riskianalüüsi läbiviimise meetodeid ja protseduure.

Keel: et

Alusdokumendid: IEC 60839-11-2:2014; EN 60839-11-2:2015

**Kommenteerimise lõppkuupäev: 13.11.2021**

## **EVS-EN ISO 16283-3:2016**

### **Akustika. Heliisolatsiooni mõõtmine hoonetes ja hoone osadel. Osa 3: Fassaadi heliisolatsioon**

Selle standardi ISO 16283 osas määratakse meetodid fassaadielementide (elementide meetodid) ja tervete fassaadide õhuheli isolatsiooni määramiseks helirõhu mõõtmisega. Need meetodid on ette nähtud ruumidele ruumalaga 10–250 m<sup>3</sup> sagedusalas 50–5000 Hz. Testide tulemusi saab kasutada õhuheli isolatsiooni määramiseks, hindamiseks ja võrdlemiseks möbleerimata või möbleeritud ruumides, kus helivälja saab hajutada või mitte. Mõõdetud õhuheli isolatsioon sõltub sagedusest ja selle saab akustilise vastavuse iseloomustamiseks teisendada ühearvuliseks suuruseks, kasutades standardis ISO 717-1 esitatud hindamismeetodeid. Elementide meetodite eesmärk on hinnata fassaadielemendi, näiteks akna, heliisolatsiooni indeksit. Kõige täpsem elementide meetod kasutab kunstliku heliallikana valjuhääldit. Vähem täpsed elementide meetodid kasutavad reaalselt liiklusküüri. Üldiste meetodite eesmärk on hinnata välitingimustes/siseruumides tekkiva müra taset tegelikes liiklusküüri. Kõige täpsemad üldised meetodid kasutavad heliallikana tegelikku reaalselt liiklust. Valjuhääldit saab kasutada kunstliku heliallikana, kui ruumi sees ei ole liiklusküüri tase piisav. Meetodite ülevaade on toodud tabelis 1. Elementide meetodi kasutamine valjuhääldiga annab tegeliku heliisolatsiooniindeksi, mida teatud tingimustel saab võrrelda ISO 10140 kohaselt laboris mõõdetud heliisolatsiooniindeksiga. See meetod on eelistatud juhul, kui mõõtmise eesmärk on hinnata fassaadielemendi kindlaksmääratud omaduste vastavust laboratoorses tingimustes. Maanteeliikluse kasutamine elementide meetodi korral täidab samu eesmärgi kui valjuhääldi kasutamisega elementide meetod. See on eriti hea, kui erinevatel praktilistel põhjustel ei saa kasutada elementide meetodi valjuhääldit. Need kaks meetodit annavad üldjuhul veidi erinevaid tulemusi. Maanteeliikluse korral on heliisolatsiooniindeksi väärtused sageli madalamad kui valjuhääldi kasutamisel. D lisas täiendatakse maanteeliikluse meetodi kasutamist õhusõidukite ja raudteeliikluse meetoditega. Üldine maanteeliikluse meetod annab tegeliku vähenemise fassaadil antud kohas 2 m kaugusel fassaadi ees. See on eelistatud meetod, kui mõõtmise eesmärk on hinnata mõju kogu fassaadile kindlaksmääratud asukohas lähedalasuvate teede, sealhulgas kõigi külgnevate teede, suhtes. Tulemust ei saa võrrelda laboratoorse mõõtmiste tulemustega. Üldine valjuhääldi meetod annab heli sumbumise punkti, mis asub 2 m fassaadist eespool. See meetod on eriti kasulik, kui praktilistel põhjustel ei saa tegelikku allikat kasutada; tulemust ei saa siiski võrrelda laboratoorse mõõtmiste tulemustega.

Keel: et

Alusdokumendid: ISO 16283-3:2016; EN ISO 16283-3:2016

**Kommenteerimise lõppkuupäev: 13.11.2021**

### **prEN IEC 62271-103:2020**

#### **Kõrgepingejaotla ja juhtimisaparatuur. Osa 103: Koormuslülid nimipingetele üle 1 kV kuni 52 kV kaasaarvatult**

See IEC 62271 osa rakendub kolmefaasilistele sisse- ja väljalülitusvoolu nimiväärtusi omavatele vahelduvvoolu-koormuslülitele ja koormus-lahklülitele nende lülitustoimimises ning kasutamises sise- ja välispaigaldistes nimipingetel üle 1 kV kuni 52 kV (kaasa arvatud) ja nimisagedustel 16 ⅔ Hz kuni 60 Hz (kaasa arvatud). See standard on kohaldatav samuti ühepooluseliste koormuslülitele kolmefaasilises süsteemis. See dokument on samuti kohaldatav eelmainitud koormuslülite juhtimisaparatuurile ja abiseadmetele. Koormus-lahklülite lahutusfunktsiooni kohta kehtib lisaks standard IEC 62271-102.

Keel: et

Alusdokumendid: IEC 62271-103:201X; prEN IEC 62271-103:2020

**Kommenteerimise lõppkuupäev: 13.11.2021**

### **prEN ISO 12543-5**

#### **Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas Osa 5: Mõõdud ja serva viimistlus**

Dokument täpsustab ehitistes kasutatava lamineeritud klaasi ning lamineeritud turvaklaasi mõõte, piirhälbeid ja serva viimistlusi. Dokument ei ole kohaldatav tahvlitele, mille pindala on väiksem kui 0,05 m<sup>2</sup>.

Keel: et

Alusdokumendid: ISO/DIS 12543-5; prEN ISO 12543-5

**Kommenteerimise lõppkuupäev: 13.11.2021**



# ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

Allpool on toodud teave eelmise EVS Teataja avaldamise järel Eesti Standardimis- ja Akrediteerimiskeskusele esitatud algupäraste standardite ja standardiladsete dokumentide koostamis-, muutmis- ja uustöötlusteapanekute kohta, millega algatatakse Eesti algupärase dokumendi koostamise protsess.

Rohkem infot koostatava dokumendi kohta saab EVS-i standardiosakonnast: [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## prEVS 941

### **Ehitustööde üldised kvaliteedinõuded. Kütte ja jahutussüsteemid**

### **General quality requirements for construction works - Heating and cooling systems**

Selles Eesti standardis määratakse üldised tehnilised ja kvaliteedi nõuded Eesti Vabariigis ehitatavatele ja rekonstrueeritavatele kütte- ja jahutussüsteemidele.

Koostamisetepaneku esitaja: Eesti Kütte-Ventilatsiooniinseneride Ühendus

# STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

Algupärase Eesti standardi ülevaatus toimub üldjuhul iga viie aasta järel ning selle eesmärk on kontrollida standardi tehnilist taset, vastavust aja nõuetele, vastavust kehtivatele õigusaktidele, kooskõla rahvusvaheliste või Euroopa standarditega jne.

Ülevaatus tulemusena jäetakse standard kehtima, algatatakse standardi muudatuse või uustöötuse koostamine, tühistatakse standard või asendatakse see ülevõetava Euroopa või rahvusvahelise standardiga.

## PIKENDAMISKÜSITLUS

### **EVS 727:2016**

#### **Teraviljasaadused. Magnetilise metallilisandi määramine Cereal products - Determination of magnetic metal admixture**

Selles Eesti standardis kirjeldatakse teraviljasaaduste (jahu, tangained ja kliid) magnetilise metallilisandi määramise meetodeid.

Pikendamisküsitluse lõppkuupäev: 13.11.2021

### **EVS 730:2016**

#### **Teraviljasaadused. Fraktsioonilise koostise, lisandite, jämeduse ja tangu kvaliteetse tuuma määramine**

#### **Cereal products - Sieve analysis of fractions, determination of admixture content, particle size and sound kernels in groats**

Selles Eesti standardis kirjeldatakse jahu ja tangainete (sh lihvitud hernes) jämeduse ning tangainetes leiduvate lisandite ja kvaliteetse tuuma määramist. MÄRKUS Lisandite määramist riisitangus käsitleb standard EVS-ISO 7301:2011 „Riis. Tehnilised tingimused“.

Pikendamisküsitluse lõppkuupäev: 13.11.2021

### **EVS 745:2010**

#### **Kauba ja materjali massi mõõtmine kaalumise ja mõõtemetoodika Goods and materials mass measurement by weighing - Measurement method**

Käesolev Eesti standard käsitleb kauba ja materjalide massi mõõtmist kaalu abil ning saadud mõõdistest massi ja mõõteobjekti tiheduse tabeliandmete põhjal mahu mõõtetulemuse ja selle mõõtemääramatuse arvutamist. Standardi mõõtemetoodika kirjeldab kauba, materjalide massi ja mahu mõõtmist kaalu abil ladudes, kauplustes, tollis, müügitehingutes ja muudel analoogilistel juhtudel. Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes ning sõidukite massi (või teljekoormuse) kontrollimisel.

Pikendamisküsitluse lõppkuupäev: 13.11.2021

# TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas allpool nimetatud standardite ja standarddilaadsete dokumentide jätkuv kehtimine Eesti ja/või Euroopa standardina/dokumendina on vajalik.

Allviidatud standardite ja dokumentide kehtivana hoidmise vajalikkusest palume teavitada EVS-i standardiosakonda (standardiosakond@evs.ee).

## **EVS-EN 14186:2007**

### **Advanced technical ceramics - Mechanical properties of ceramic composites at room temperature - Determination of elastic properties by an ultrasonic technique**

This European Standard specifies an ultrasonic method to determine the components of the elasticity tensor of ceramic matrix composite materials at room temperature. Young's moduli, shear moduli and Poisson coefficients, can be determined from the components of the elasticity tensor. This European Standard applies to ceramic matrix composites with a continuous fibre reinforcement: unidirectional (1D), bidirectional (2D), and tridirectional ( $\times D$ , with  $2 < \times \leq 3$ ) which have at least orthotropic symmetry, and whose material symmetry axes are known. This method is applicable only when the ultrasonic wave length used is larger than the thickness of the representative elementary volume, thus imposing an upper limit to the frequency range of the transducers used. NOTE Properties obtained by this method might not be comparable with moduli obtained by EN 658-1, EN 658-2 and EN 12289.

Keel: en

Alusdokumendid: EN 14186:2007

Tühistamisküsitluse lõppkuupäev: 13.11.2021

## **EVS-EN 60044-7:2002**

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

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

Keel: en

Alusdokumendid: IEC 60044-7:1999; EN 60044-7:2000

Tühistamisküsitluse lõppkuupäev: 13.11.2021

## **EVS-EN 61724:2002**

### **Photovoltaic system performance monitoring - Guidelines for measurement, data exchange and analysis**

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

Keel: en

Alusdokumendid: IEC 61724:1998; EN 61724:1998

Tühistamisküsitluse lõppkuupäev: 13.11.2021

## **EVS-EN 62317-11:2016**

### **Ferrite cores - Dimensions - Part 11: EC-cores for use in power supply applications**

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of EC-cores, the essential dimensions of coil formers to be used with them, and the effective parameter values to be used in calculations involving them. The selection of core sizes for this standard is based on the philosophy of including those sizes which are industrial standards, either by inclusion in national standards, or by broadbased use in industry. See 62317-1 for more detail concerning the philosophy of selecting core sizes to be included.

Keel: en

Alusdokumendid: IEC 62317-11:2015; EN 62317-11:2016

Tühistamisküsitluse lõppkuupäev: 13.11.2021

## **EVS-EN 62317-12:2016**

### **Ferrite cores - Dimensions - Part 12: Ring cores**

IEC 62317-12:2016(E) specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of ring-cores, also called toroid cores, and the effective parameter values to be used in calculations involving them. The selection of core sizes for this document is based on the philosophy of including those sizes which are industrial standards, meaning that they are in broad-based use within industry. See IEC 62317-1 for more detail concerning the philosophy of selecting core sizes to be included. This first edition cancels and replaces the first edition of IEC TR 61604 published in 1997. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC TR 61604: a) amendment of Clause 5 concerning the relationship between standard of European, Japanese and U.S.A. sizes; b) addition of Subclause 5.3 concerning coating.

Keel: en  
Alusdokumendid: IEC 62317-12:2016; EN 62317-12:2016  
Tühistamisküsitluse lõppkuupäev: 13.11.2021

#### **EVS-EN 62317-14:2008**

##### **Ferrite cores - Dimensions -- Part 14: EFD-cores for use in power supply applications**

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

Keel: en  
Alusdokumendid: IEC 62317-14:2008; EN 62317-14:2008  
Tühistamisküsitluse lõppkuupäev: 13.11.2021

#### **EVS-EN 62317-6:2016**

##### **Ferrite cores - Dimensions - Part 6: ETD-cores for use in power supplies**

IEC 62317-6:2015 specifies the dimensions that are of importance for mechanical interchangeability for ETD-cores made of ferrite, the essential dimensions of coil formers to be used with them, and the effective parameter values to be used in calculations involving them. This first edition cancels and replaces the second edition of IEC 61185 published in 2005. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - Changed dimension A of ETD 54 core.

Keel: en  
Alusdokumendid: IEC 62317-6:2015; EN 62317-6:2016  
Tühistamisküsitluse lõppkuupäev: 13.11.2021

#### **EVS-EN 62317-7:2005**

##### **Ferrite cores - Dimensions Part 7: EER-cores**

Specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of EER-cores made of ferrite, the essential dimensions of coil formers to be used with them, and the effective parameter values to be used in calculations involving them.

Keel: en  
Alusdokumendid: IEC 62317-7:2005; EN 62317-7:2005  
Tühistamisküsitluse lõppkuupäev: 13.11.2021

#### **EVS-EN 725-10:2007**

##### **Spetsiaalne tehniline keraamika. Keraamiliste pulbermaterjalide katsemeetodid. Osa 10: Kokkusurutavuse määramine**

##### **Advanced technical ceramics - Methods of test for ceramic powders - Part 10: Determination of compaction properties**

See standardi EN 725 osa kirjeldab meetodeid keraamiliste pulbermaterjalide kokkusurutavuse ulatuse määramiseks, kui spetsiaalsetel tingimustel rakendada ühesuunalist survet piirajaga stantsis.

Keel: en  
Alusdokumendid: EN 725-10:2007  
Tühistamisküsitluse lõppkuupäev: 13.11.2021

#### **EVS-EN 843-4:2005**

##### **Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 4: Vickers, Knoop and Rockwell superficial hardness**

This part of EN 843 defines conditions for conducting, and provides guidelines concerning the value that may be ascribed to the results of, standard hardness tests when applied to advanced monolithic technical ceramics.

Keel: en  
Alusdokumendid: EN 843-4:2005  
Tühistamisküsitluse lõppkuupäev: 13.11.2021

## TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Eesti Standardimis- ja Akrediteerimiskeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mille Eesti standardina avaldamiseks on vajalik täiendav ettevalmistusaeg. Selliste teadete avaldamine võib olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samal ajal nii eesti- kui ka ingliskeelsena.

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast [standardimisprogrammist](#). Lisateave standardiosakonnast: [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

### EN IEC 60445:2021

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

Eeldatav avaldamise aeg Eesti standardina 03.2022

# UUED EESTIKEELSESED STANDARDID JA STANDARDILAADSED DOKUMENDID

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast [standardimisprogrammist](#).

## EVS-EN 10219-3:2020

### Teraskonstruksioonide külmvormitud keevitatud õõnesprofiilid. Osa 3: Kõrgtugevate ja ilmastikukindlate teraste tehnilised tarnetingimused Cold formed welded steel structural hollow sections - Part 3: Technical delivery conditions for high strength and weather resistant steels

See dokument spetsifitseerib kõrgtugevate ja ilmastikukindlate elekterkeevitatud ja rübusti-kaarkeevitatud külmvormitud terasest ümmarguse, ruudukujulise, ristkülikukujulise või elliptilise ristlõikega õõnesprofiilide tehnilised tarnetingimused, mis on külmvormitud ilma järgneva kuumtöötuseta, välja arvatud keevisõmbluste kuumtöötlus. MÄRKUS 1 Nõuded tolerantsidele, mõõtmetele ja ristlõike omadustele on esitatud standardis EN 10219-2. MÄRKUS 2 Kasutajate tähelepanu juhitakse asjaolule, et kuigi selles dokumendis võivad külmvormitud teraste klassid omada samaväärseid mehaanilisi omadusi kui kuumviimistletud teraste klassid standardis EN 10210-3, siis ruudu- ja ristkülikukujulise ristlõikega õõnesprofiilide ristlõikeomadused standardites EN 10219-2 ja EN 10210-2 ei ole samaväärsed. MÄRKUS 3 Selles dokumendis on spetsifitseeritud teraseklasside sortiment ja kasutaja võib valida klassi, mis sobib kõige paremini kavandatud kasutus- ja hooldustingimustega. Külmvormitud õõnesprofiilide klassid ja mehaanilised omadused, kuid mitte lõplikud tarnetingimused, on üldiselt võrreldavad standardite EN 10025-3, EN 10025-4, EN 10025-5, EN 10025-6, EN 101492 ja EN 10149-3 omadega.

## EVS-EN 54-1:2021

### Tulekahju avastamise ja tulekahjust alarmeerimise süsteem. Osa 1: Sissejuhatus Fire detection and fire alarm systems - Part 1: Introduction

Selles dokumendis määratletakse terminid ja määratlused, mida kasutatakse kogu EN 54 standardisarjas. Selles antakse põhimõtted, millele on rajatud sarja iga osa, ja kirjeldatakse tulekahju avastamise ja tulekahjust alarmeerimise süsteemi komponentide läbiviidavaid funktsioone. See dokument kehtib hoonete ja rajatiste tulekahju avastamise ja tulekahjust alarmeerimise süsteemide kohta. See dokument ei rakendu suitsuanduriseadmetele, mis on hõlmatud standardiga EN 14604.

## EVS-EN 81-70:2021

### Liftide valmistamise ja paigaldamise ohutuseeskirjad. Inimeste ja kauba transpordi liftide eriotstarbelised rakendused. Osa 70: Inimeste, kaasa arvatud puuetega inimeste ligipääs liftidele

### Safety rules for the construction and installation of lifts - Particular applications for passenger and goods passenger lift - Part 70: Accessibility to lifts for persons including persons with disability

Selle dokumendiga kehtestatakse inimeste, kaasa arvatud puuetega inimeste liftidesse turvalise ja kõrvalise abita pääsemise miinimumnõuded. See hõlmab puuetega inimeste vajadusi lisa A kohaselt. MÄRKUS Juhiseid parema juurdepääsetavuse ja kasutatavuse lahenduste kohta vt lisa D.

## EVS-EN ISO 11393-3:2018

### Käsikettsaagide kasutajate kaitseriietus. Osa 3: Kaitsejalanõude katsemeetodid Protective clothing for users of hand-held chainsaws - Part 3: Test methods for footwear (ISO 11393-3:2018)

Selles dokumendis on kirjeldatud katsemeetodeid, mille abil hinnata jalanõude löikekindlust käsikettsae löigete suhtes. Dokumenti kohaldatakse ainult sisseehitatud kaitsega jalanõudele. MÄRKUS Teist tüüpi kaitsevahendeid, mis kaitsevad jalgu ja sääri käsikettsaagide eest (nt kedrid), käsitletakse ISO 11393 sarja teistes osades.

## EVS-EN ISO 12004-1:2020

### Metallmaterjalid. Deformeeritavusgraafiku määramine leht- ja ribamaterjalile. Osa 1: Deformeeritavusdiagrammi mõõtmine ja rakendamine töökojas Metallic materials - Determination of forming-limit curves for sheet and strip - Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2020)

See dokument määratleb protseduuri deformeeritavusdiagrammide ja deformeeritavusgraafikute väljatöötamiseks metall-lehtedele ja -ribadele paksusega 0,3 mm kuni 4 mm.

## EVS-EN ISO 13395:1999

### Vee kvaliteet. Nitritis ja nitraadis sisalduva lämmastiku sisalduse ja nende mõlema summa määramine pidevvooluanalüüsil (CFA ja FIA) ja spektromeetrilisel detektsioonil Water quality - Determination of nitrite nitrogen and nitrate nitrogen and the sum of both by flow analysis (CFA and FIA) and spectrometric detection

See rahvusvaheline standard täpsustab meetodi nitriti(N) (vt märkus 2), nitraadi(N) või mõlema summa [nitrit/nitraat(N)] määramiseks eri liiki vetes (nagu põhja-, joogi-, pinna- ja heitvees) massikontsentratsioonidel 0,01 mg/l kuni 1 mg/l nitriti(N) jaoks ja 0,2 mg/l kuni 20 mg/l nitriti/nitraadi(N) jaoks lahjendamata proovis. Rakendusala saab muuta analüüsi tingimuste muutmisega. MÄRKUSED 1 Selle meetodiga võib analüüsida ka merevett, aga muutustega tundlikkuses ja kohandades kande- ja kalibreerimislahuseid proovide soolsusega. 2 Selle rahvusvahelise standardi tekstis on kasutusel järgmised lühiterminid: nitrit(N): nitrit (massikontsentratsioon) lämmastikuna väljendatuna nitraat(N): nitraat (massikontsentratsioon) lämmastikuna väljendatuna nitrit/nitraat(N): nitriti(N) ja nitraadi(N) summa (massikontsentratsioon).

#### **EVS-HD 60364-7-706:2007/A1:2020**

**Madalpingelised elektripaigaldised. Osa 7-706: Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad**

**Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement**

Standardi EVS-HD 60364-7-706:2007 muudatus.

#### **EVS-HD 60364-7-706:2007+A1:2020**

**Madalpingelised elektripaigaldised. Osa 7-706: Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad**

**Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement (IEC 60364-7-706:2005, modified + IEC 60364-7-706:2005/A1:2019)**

Selle IEC 60364 osa erinõudeid rakendatakse — kohtkindlatele seadmete kohta juhtivates paikades, milles liikumisvõimalused on piiratud, ja — kasutatavate seadmete toite kohta juhtivates paikades, milles liikumisvõimalused on piiratud.

## STANDARDIPEALKIRJADE MUUTMINE

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.

Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest [enquiry@evs.ee](mailto:enquiry@evs.ee).

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN ISO 11393-3:2018	Käsikettsaagide kasutajate kaitseriietus. Osa 3: Katsemeetodid jalatsitele	Käsikettsaagide kasutajate kaitseriietus. Osa 3: Kaitsejalanõude katsemeetodid

### UUED EESTIKEELSE PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 10219-3:2020	Cold formed welded steel structural hollow sections - Part 3: Technical delivery conditions for high strength and weather resistant steels	Teraskonstruksioonide külmvormitud keevitatud õonesprofiilid. Osa 3: Kõrgtugevate ja ilmastikukindlate teraste tehnilised tarnetingimused
EVS-EN ISO 12004-1:2020	Metallic materials - Determination of forming-limit curves for sheet and strip - Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2020)	Metallmaterjalid. Deformeeritavusgraafiku määramine leht- ja ribamaterjalile. Osa 1: Deformeeritavusdiagrammi mõõtmine ja rakendamine töökojas
EVS-HD 60364-7-706:2007/A1:2020	Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement	Madalpingelised elektripaigaldised. Osa 7-706: Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad



# UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardimis- ja Akrediteerimiskeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtivate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EL-i õigusaktide kontekstis Euroopa Komisjoni standardimisettepaneku alusel Euroopa standardimisorganisatsioonide koostatud ja vastu võetud standardid.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate õigusaktide mõistes, et standardi kohaselt valmistatud toode täidab õigusakti olulisi nõudeid ning on üldjuhul kõige lihtsam viis tõendada õigusaktide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga õigusakti tekstist eraldi ning võib õigusaktist olenevalt erineda.

Lisainfo:

<https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards>

Eesti Standardimis- ja Akrediteerimiskeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtivate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate õigusaktide kaupa.

## Direktiiv 2014/68/EL Surveseadmed

Komisjoni rakendusotsus (EL) 2021/1801,  
millega muudetakse rakendusotsust (EL) 2019/1616  
(EL Teataja 2021/ L 361)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 13480-3:2017/A1:2021 Metallist tööstustorustik. Osa 3: Kavandamine ja arvutamine	12.10.2021		
EVS-EN 13480-3:2017+A2+A3+A1:2021 Metallist tööstustorustik. Osa 3: Kavandamine ja arvutamine	12.10.2021		
EVS-EN 14222:2021 Roostevabast terasest aurubollerid	12.10.2021	EN 14222:2003	12.04.2023
EVS-EN 1515-4:2021 Äärikud ja nende ühendused. Kinnitusdetailid. Osa 4: Kinnitusdetailide valik surveseadmete direktiivi 2014/68/EL käsitusallas	12.10.2021	EN 1515-4:2009	12.04.2023