



EVS Teataja

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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

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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN IEC 62321-12:2023

Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry

IEC 62321-12:2023 specifies a reference test method for the simultaneous determination of polybrominated biphenyls, polybrominated diphenyl ethers, and four phthalates: di-isobutyl phthalate (DIBP), di-n-butyl phthalate (DBP), benzylbutyl phthalate (BBP), di-(2-ethylhexyl) phthalate (DEHP) in polymers of electrotechnical products. The extraction technique described in this document is the ultrasonic-assisted extraction used for simultaneous extraction for sample preparation. Gas chromatography-mass spectrometry (GC-MS) is considered as the reference technique for the measurement of the simultaneous determination of analytes in the range of 25 mg/kg to 2 000 mg/kg. The test method using ultrasonic-assisted extraction followed by GC-MS detection has been evaluated by the tests of polypropylene (PP), polyvinylchloride (PVC), acrylonitrile butadiene styrene (ABS), acrylate rubber (ACM), polystyrene (PS), polyurethane (PU) and polyethylene (PE) materials. This document has the status of a horizontal publication in accordance with IEC Guide 108.

Keel: en

Alusdokumendid: IEC 62321-12:2023; EN IEC 62321-12:2023

EVS-EN ISO 7010:2020+A1+A2+A3+A4+A5+A6:2023

Graphical symbols - Safety colours and safety signs - Registered safety signs (ISO 7010:2019, Corrected version 2020-06 + ISO 7010:2019/Amd 1:2020 + ISO 7010:2019/Amd 2:2020 + ISO 7010:2019/Amd 3:2021 + ISO 7010:2019/Amd 4:2021 + ISO 7010:2019/Amd 5:2022 + ISO 7010:2019/Amd 6:2022)

This document prescribes safety signs for the purposes of accident prevention, fire protection, health hazard information and emergency evacuation. The shape and colour of each safety sign are according to ISO 3864 1 and the design of the graphical symbols is according to ISO 3864 3. This document is applicable to all locations where safety issues related to people need to be addressed. However, it is not applicable to the signalling used for guiding rail, road, river, maritime and air traffic and, in general, to those sectors subject to a regulation which may differ with regard to certain points of this document and of the ISO 3864 series. This document specifies the safety sign originals that can be scaled for reproduction and application purposes.

Keel: en

Alusdokumendid: ISO 7010:2019; EN ISO 7010:2020; ISO 7010:2019/Amd 1:2020; EN ISO 7010:2020/A1:2020; ISO 7010:2019/Amd 2:2020; EN ISO 7010:2020/A2:2022; ISO 7010:2019/Amd 3:2021; EN ISO 7010:2020/A3:2022; ISO 7010:2019/Amd 4:2021; EN ISO 7010:2020/A4:2023; ISO 7010:2019/Amd 5:2022; EN ISO 7010:2020/A5:2023; ISO 7010:2019/Amd 6:2022; EN ISO 7010:2020/A6:2023

Konsolideerib dokumenti: EVS-EN ISO 7010:2020

Konsolideerib dokumenti: EVS-EN ISO 7010:2020/A1:2020

Konsolideerib dokumenti: EVS-EN ISO 7010:2020/A2:2022

Konsolideerib dokumenti: EVS-EN ISO 7010:2020/A3:2022

Konsolideerib dokumenti: EVS-EN ISO 7010:2020/A4:2023

Konsolideerib dokumenti: EVS-EN ISO 7010:2020/A5:2023

Konsolideerib dokumenti: EVS-EN ISO 7010:2020/A6:2023

Konsolideerib dokumenti: EVS-EN ISO 7010:2020+A1:2020

Konsolideerib dokumenti: EVS-EN ISO 7010:2020+A1+A2+A3:2022

EVS-ISO 25964-1:2023

Informatsioon ja dokumentatsioon. Tesaurused ja nende koostalitusvõime teiste sõnastikega.

Osa 1: Infootsingu tesaurused

Information and documentation - Thesauri and interoperability with other vocabularies - Part 1: Thesauri for information retrieval (ISO 25964-1:2011, identical)

See standardisarja ISO 25964 osa annab soovitusi, kuidas infootsingu rakendustes välja arendada ja hallata tesauruseid. Need soovituselised rakendatavad infootsingus kasutatavate sõnastike juures, võimaldades otsinguid mis tahes tüüpi inforessursside kohta, sõltumata kasutatavast meediumist (tekst, heli, pilt või video, füüsiline objekt või multimeedia), kaasa arvatud teadmusbaasid ja portaalid, bibliograafilised andmebaasid, tekstid, muuseumi või multimeedia kogud ning neis kõigis olevad üksused. See standardisarja ISO 25964 osa esitab samuti tesauruses olevate andmete importimiseks ja eksportimiseks kasutatava andmemudeli ja soovitusliku andmevormingu. See standardisarja ISO 25964 osa rakendub ühekeelsetele ja mitmekeelsetele tesaurustele. See standardisarja ISO 25964 osa ei ole rakendatav raamatu lõpus olevate registrite koostamisele, kuigi paljud esitatud soovituselised võivad olla selliste registrite koostamiseks kasulikud. See standardisarja ISO 25964 osa ei ole rakendatav andmebaasides või tarkvaras, mida kasutatakse otse rakenduses otsingute tegemiseks või sisu indekseerimiseks, kuid soovitatav on siin toodud tesauruse haldamisel arvestada ka selliste rakenduste vajadusi.

Keel: en

Alusdokumendid: ISO 25964-1:2011

EVS-ISO 25964-2:2023

Informatsioon ja dokumentatsioon. Tesaurused ja nende koostalitusvõime teiste sõnastikega.

Osa 2: Koostalitusvõime teiste sõnastikega

Information and documentation - Thesauri and interoperability with other vocabularies - Part 2: Interoperability with other vocabularies (ISO 25964-2:2013, identical)

See standardisarja ISO 25964 osa on rakendatav tavaliselt infootsingus kasutatavatele tesaurustele ja muud tüüpi sõnastikele. See osa kirjeldab, võrdleb ja vastendab kasutatavate sõnastike elemente ja tunnuseid, mida tuleb kasutada, kui on vaja tagada nende koostalitusvõime. See osa annab soovitusi, kuidas luua ja hallata seoseid mitme tesauruse vahel või tesauruse ja muud tüüpi sõnastiku vahel.

Keel: en

Alusdokumendid: ISO 25964-2:2013

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

EVS-EN ISO 21177:2023

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2023)

This document contains specifications for a set of ITS station security services required to ensure the authenticity of the source and integrity of information exchanged between trusted entities, i.e.: — between devices operated as bounded secured managed entities, i.e. "ITS Station Communication Units" (ITS-SCU) and "ITS station units" (ITS-SU) as specified in ISO 21217; and — between ITS-SUs (composed of one or several ITS-SCUs) and external trusted entities such as sensor and control networks. These services include the authentication and secure session establishment which are required to exchange information in a trusted and secure manner. These services are essential for many intelligent transport system (ITS) applications and services including time-critical safety applications, automated driving, remote management of ITS stations (ISO 24102-2), and roadside/infrastructure-related services.

Keel: en

Alusdokumendid: ISO 21177:2023; EN ISO 21177:2023

Asendab dokumenti: CEN ISO/TS 21177:2019

EVS-EN ISO 41015:2023

Facility management - Influencing organizational behaviours for improved facility outcomes (ISO 41015:2023)

This document gives guidance on the ways in which a facility management (FM) organization can influence organizational behaviours to achieve improved facility outcomes, including how it can engage, empower and influence users, service providers and other interested parties with one another for improved outcomes and user experience while interfacing with the built environment. Consequently, and simultaneously, these behaviours can be harnessed to contribute to the achievement of the demand organization's objectives and goals in an organizational sense, regardless of the type of organization or built environment involved. This is the fundamental link to the role of FM as defined in ISO 41001. This document is intended to build upon the requirements in ISO 41001, which adheres to the Plan-Do-Check-Act methodology. This document is applicable to organizations both large and small. NOTE 1 For the purposes of this document, the term "organization" refers to the FM organization unless otherwise stated. NOTE 2 The terms "facility management" and "facilities management" can be used interchangeably.

Keel: en

Alusdokumendid: ISO 41015:2023; EN ISO 41015:2023

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 7704:2023

Vee kvaliteet. Nõuded külvipõhiste meetoditega mikroorganismide otseseks loendamiseks kasutatavate membraanfiltrite toimivuse kontrollimiseks

Water quality - Requirements for the performance testing of membrane filters used for direct enumeration of microorganisms by culture methods (ISO 7704:2023)

Selles dokumendis määratakse kindlaks nõuded filtrile kinni jäämiseks kasutatavate membraanfiltrite toimivuse kontrolliks, millele järgneb mikroorganismide otsene loendamine kultiveerimismeetoditega. See dokument kehtib membraanfiltrite kohta, mida kasutatakse filtrile kinni jäämiseks, millele järgneb konkreetsete mikroorganismide otsene loendamine tahkel söötmel või muudel söötmeid sisaldavatel seadmetel, nagu absorbeerivad padjad [19]. See dokument ei kehti kontsentreerimiseks ja elueerimiseks kasutatavate membraanfiltrite ega kvalitatiivsete meetodite kohta. Need kontrollid kehtivad membraanfiltrite kohta, mis on ette nähtud erinevat tüüpi vee mikrobioloogiliseks analüüsiks, näiteks — joogivesi, pudelivesi ja muud tüüpi vesi, milles on eeldatavasti väike arv mikroorganisme; — vesi, milles on eeldatavasti suurem arv mikroorganisme, näiteks pinnavesi ja töödeldud vesi. Need kontrollid on mõeldud selleks, et demonstreerida kogu süsteemi (membraanfilter koos söötmega, sealhulgas filtreerimisetaapiga) sobivust, mida on vaja konkreetseteks katseteks, mis on kirjeldatud viidetes [3], [6], [8], [10], [12] ja [13]. See dokument rakendub — membraanfiltrite tootjatele; — mikrobioloogia laboritele, mis kasutavad oma katsetes membraanfiltreid või annavad neid teistele lõppkasutajatele.

Keel: en, et

Alusdokumendid: ISO 7704:2023; EN ISO 7704:2023

11 TERVISEHOOLDUS

EVS-EN ISO 11137-2:2015/A1:2023

Tervishoiutoodete steriliseerimine. Kiirgus. Osa 2: Steriliseerimisdooši määramine Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose - Amendment 1 (ISO 11137-2:2013/Amd 1:2022)

Amendment to EN ISO 11137-2:2015

Keel: en

Alusdokumendid: ISO 11137-2:2013/Amd 1:2022; EN ISO 11137-2:2015/A1:2023

Muudab dokumenti: EVS-EN ISO 11137-2:2015

EVS-EN ISO 11137-2:2015+A1:2023

Tervishoiutoodete steriliseerimine. Kiirgus. Osa 2: Steriliseerimisdooši määramine Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose (ISO 11137-2:2013 + ISO 11137-2:2013/Amd 1:2022)

This part of ISO 11137 specifies methods for determining the minimum dose needed to achieve a specified requirement for sterility and methods to substantiate the use of 25 kGy or 15 kGy as the sterilization dose to achieve a sterility assurance level, SAL, of 10⁻⁶. This part of ISO 11137 also specifies methods of sterilization dose audit used to demonstrate the continued effectiveness of the sterilization dose. This part of ISO 11137 defines product families for sterilization dose establishment and sterilization dose audit.

Keel: en

Alusdokumendid: ISO 11137-2:2013; EN ISO 11137-2:2015; ISO 11137-2:2013/Amd 1:2022; EN ISO 11137-2:2015/A1:2023

Konsolideerib dokumenti: EVS-EN ISO 11137-2:2015

Konsolideerib dokumenti: EVS-EN ISO 11137-2:2015/A1:2023

EVS-EN ISO 7439:2023

Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO 7439:2023)

This document specifies requirements and tests for single-use, copper-bearing contraceptive intrauterine devices (IUDs) and their insertion instruments. It is not applicable to IUDs consisting only of a plastics body or whose primary purpose is to release progestogens or other medicinal products. NOTE Some aspects of this document can be applicable to medicated intrauterine devices and IUDs not containing copper.

Keel: en

Alusdokumendid: ISO 7439:2023; EN ISO 7439:2023

Asendab dokumenti: EVS-EN ISO 7439:2015

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TR 9241-100:2023

Ergonomics of human-system interaction - Part 100: Overview of ISO 9241 software ergonomic standards (ISO/TR 9241-100:2023)

This document provides an overview of ISO 9241 software ergonomic standards in the form of executive summaries of these standards, in particular the parts in the ISO 9241-1XX family of documents. In addition, it provides executive summaries for ISO 9241-11, ISO 9241-210 and ISO 9241-220, which have specific relevance to the design of software-based interactive systems. This document is intended for the following types of users: — managers, who are involved in planning and managing product, system and/or service development projects, who are to be informed on the human-centred design approach and on guidance on software ergonomics; — developers, who will apply the guidance in these documents during the development process (either directly, based on training, or by using tools and style guides which incorporate the guidance); — user interface design roles (including interaction designers, information architects, user interface designers, visual designers and content creators), who will apply the guidance in these documents during the creation and design process (either directly, based on training, or by using tools and style guides which incorporate the guidance); — user researchers, who are responsible for identifying user needs and inform context of use of a product, system or service; — evaluators, who are responsible for ensuring that products, systems or services meet the recommendations contained in these documents; — buyers, who will reference these documents in contracts during product procurement; — designers of user interface development tools and style guides to be used by user interface designers and developers. While the documents are applicable to all types of interactive systems, they do not cover the specifics of every context of use, such as safety critical systems and collaborative work.

Keel: en

Alusdokumendid: ISO/TR 9241-100:2023; CEN ISO/TR 9241-100:2023

Asendab dokumenti: CEN ISO/TR 9241-100:2011

EVS-EN 1384:2023

Ratsutamiskiivrid

Helmets for equestrian activities

This document specifies requirements for protective helmets that can have a peak, for people involved in all equestrian activities including but not limited to riding, driving, or handling and caring for horses. It gives safety requirements that include methods of test and levels. Requirements and the corresponding methods of test are given for the following: a) construction, including field of

vision; b) shock absorbing properties; c) resistance to penetration; d) mechanical strength in lateral deformation; e) retention system properties; f) deflection of peak (if fitted); g) marking and information; h) use of headforms in accordance with EN 960:2006.

Keel: en

Alusdokumendid: EN 1384:2023

Asendab dokumenti: EVS-EN 1384:2017

EVS-EN 50292:2023

Electrical apparatus for the detection of carbon monoxide in domestic premises, caravans and boats - Guide on the selection, installation, use and maintenance

This document serves as a guide on the selection, installation, use and maintenance of apparatus for the detection of carbon monoxide, intended for continuous operation in a fixed installation in domestic premises, caravans and boats. This guide is intended to cover any type of domestic or residential accommodation, including leisure accommodation vehicles such as touring and static caravans, and motor homes; and recreational craft such as canal barges. Some static caravans are used as permanent dwellings; in such cases EN 50291 1 is appropriate. For all other types of caravan, EN 50291 2 is appropriate. This guide is read in conjunction with EN 50291 1 and EN 50291 2 together with any additional relevant national or local regulations. This document refers to the installation of two types of apparatus: a) Type A apparatus, to provide a visual and audible alarm and an executive action in the form of an output signal that can be used to actuate directly or indirectly a ventilation or other ancillary device; b) Type B apparatus, to provide a visual and audible alarm only. This document excludes apparatus for the detection of combustible gases (see EN 50244) and for industrial installations or commercial premises.

Keel: en

Alusdokumendid: EN 50292:2023

Asendab dokumenti: EVS-EN 50292:2013

EVS-EN IEC 62321-12:2023

Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry

IEC 62321-12:2023 specifies a reference test method for the simultaneous determination of polybrominated biphenyls, polybrominated diphenyl ethers, and four phthalates: di-isobutyl phthalate (DIBP), di-n-butyl phthalate (DBP), benzylbutyl phthalate (BBP), di-(2-ethylhexyl) phthalate (DEHP) in polymers of electrotechnical products. The extraction technique described in this document is the ultrasonic-assisted extraction used for simultaneous extraction for sample preparation. Gas chromatography-mass spectrometry (GC-MS) is considered as the reference technique for the measurement of the simultaneous determination of analytes in the range of 25 mg/kg to 2 000 mg/kg. The test method using ultrasonic-assisted extraction followed by GC-MS detection has been evaluated by the tests of polypropylene (PP), polyvinylchloride (PVC), acrylonitrile butadiene styrene (ABS), acrylate rubber (ACM), polystyrene (PS), polyurethane (PU) and polyethylene (PE) materials. This document has the status of a horizontal publication in accordance with IEC Guide 108.

Keel: en

Alusdokumendid: IEC 62321-12:2023; EN IEC 62321-12:2023

EVS-EN ISO 14083:2023

Greenhouse gases - Quantification and reporting of greenhouse gas emissions arising from transport chain operations (ISO 14083:2023)

This document establishes a common methodology for the quantification and reporting of greenhouse gas (GHG) emissions arising from the operation of transport chains of passengers and freight.

Keel: en

Alusdokumendid: ISO 14083:2023; EN ISO 14083:2023

Asendab dokumenti: EVS-EN 16258:2012

25 TOOTMISTEHNOLLOOGIA

EVS-EN IEC 61158-1:2023

Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

IEC 61158-1:2023 specifies the generic concept of fieldbuses. This document also presents an overview and guidance for the IEC 61158 series - by: explaining the structure and content of the IEC 61158 series; - relating the structure of the IEC 61158 series to the ISO/IEC 7498-1 OSI Basic Reference Model; - showing the logical structure of the IEC 61784 series; - showing how to use parts of the IEC 61158 series in combination with the IEC 61784 series; - providing explanations of some aspects of the IEC 61158 series that are common to the type specific parts of the IEC 61158-5 series including the application layer service description concepts and the generic fieldbus data types.

Keel: en

Alusdokumendid: IEC 61158-1:2023; EN IEC 61158-1:2023

Asendab dokumenti: EVS-EN IEC 61158-1:2019

EVS-EN IEC 61158-2:2023

Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition

IEC 61158-2:2023 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC 61158-1.

Keel: en

Alusdokumendid: IEC 61158-2:2023; EN IEC 61158-2:2023

Asendab dokumenti: EVS-EN 61158-2:2014

EVS-EN IEC 61158-3-2:2023

Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements

IEC 61158-3-2:2023 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC 61158-1. Throughout the set of fieldbus standards, the term "service" refers to the abstract capability provided by one layer of the OSI Basic Reference Model to the layer immediately above. Thus, the data-link layer service defined in this document is a conceptual architectural service, independent of administrative and implementation divisions.

Keel: en

Alusdokumendid: IEC 61158-3-2:2023; EN IEC 61158-3-2:2023

Asendab dokumenti: EVS-EN 61158-3-2:2014

Asendab dokumenti: EVS-EN 61158-3-2:2014/A1:2019

EVS-EN IEC 61158-3-24:2023

Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements

IEC 61158-3-24:2023 provides common elements for basic time-critical messaging communications between devices in an automation environment. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time-window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 24 fieldbus data-link layer in terms of the primitive actions and events of the service; the interrelationship between these actions and events, and their valid sequences; the parameters associated with each primitive action and event, and the form which they take.

Keel: en

Alusdokumendid: EN IEC 61158-3-24:2023; IEC 61158-3-24:2023

Asendab dokumenti: EVS-EN 61158-3-24:2014

EVS-EN IEC 61158-3-28:2023

Industrial communication networks - Fieldbus specifications - Part 3-28: Data-link layer service definition - Type 28 elements

IEC 61158-3-28:2023 describes basic packet communication services and models in an automation control industrial field environment. The Type 28 data-link layer provides time-critical and non-time-critical communication services. Time-critical refers to the requirement to complete specified functions between devices in a defined time window in an industrial field environment. Failure to complete specified functions within the time window can lead to failure or harm in industrial production.

Keel: en

Alusdokumendid: EN IEC 61158-3-28:2023; IEC 61158-3-28:2023

EVS-EN IEC 61158-3-4:2023

Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements

IEC 61158-3-4:2023 provides common elements for basic time-critical messaging communications between devices in an automation environment. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible services provided by the Type 4 fieldbus data-link layer in terms of the primitive actions and events of the services; the parameters associated with each primitive action and event, and the form which they take; and the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to the Type 4 fieldbus application layer at the boundary between the application and data-link layers of the fieldbus reference model; systems management at the boundary between the data-link layer and systems management of the fieldbus reference model.

Keel: en

Alusdokumendid: EN IEC 61158-3-4:2023; IEC 61158-3-4:2023

Asendab dokumenti: EVS-EN IEC 61158-3-4:2019

EVS-EN IEC 61158-4-2:2023

Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements

IEC 61158-4-2:2023 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC 61158-1. The data-link protocol provides the data-link service by making use of the services available from the physical layer. The primary aim of this document is to provide a set of rules for communication expressed in terms of the procedures to be carried out by peer data-link entities (DLEs) at the time of communication. These rules for communication are intended to provide a sound basis for development in order to serve a variety of purposes: - as a guide for implementers and designers; - for use in the testing and procurement of equipment; - as part of an agreement for the admittance of systems into the open systems environment; - as a refinement to the understanding of time-critical communications within OSI.

Keel: en

Alusdokumendid: IEC 61158-4-2:2023; EN IEC 61158-4-2:2023

Asendab dokumenti: EVS-EN IEC 61158-4-2:2019

EVS-EN IEC 61158-4-28:2023

Industrial communication networks - Fieldbus specifications - Part 4-28: Data-link layer protocol specification - Type 28 elements

1.1 General This document of IEC 61158 describes basic packet communication services and models in an automation control industrial field environment. The Type 28 data-link layer provides time critical and non-time-critical communication services. Time-critical refers to the requirement to complete specified functions between devices in a defined time window in an industrial field environment. Failure to complete specified functions within the time window may lead to failure or harm in industrial production. This document defines in an abstract way the externally visible service provided by the Type 28 fieldbus data-link layer in terms of a) function description; b) primitive actions and events with primitive sequence diagram; c) the form of externally service interface and related parameters. The purpose of this document is to define the services provided to: - the Type 28 fieldbus application layer at the boundary between the application and data link layers of the fieldbus reference model; - systems management at the boundary between the data-link layer and systems management of the fieldbus reference model. Type 28 DL-service provides both a connected and a connectionless subset of those services provided by OSI data-link protocols as specified in ISO/IEC 8886. 1.2 Specifications The principal objective of this document is to specify the characteristics of conceptual data-link layer services suitable for time-critical communications and thus supplement the OSI Basic Reference Model in guiding the development of data-link protocols for time-sensitive communications. A secondary objective is to provide migration paths from previously-existing industrial communications protocols. This specification may be used as the basis for formal DL-Programming-Interfaces. Nevertheless, it is not a formal programming interface, and any such interface will need to address implementation issues not covered by this specification, including: a) the sizes and octet ordering of various multi-octet service parameters; and b) the correlation of paired request and confirm, or indication and response primitives. 1.3 Conformance This document does not specify individual implementations or products, nor does it constrain the implementations of data-link entities within industrial automation systems. There is no conformance of equipment to this data-link layer service definition standard. Instead, conformance is achieved through implementation of the corresponding data-link protocol that fulfills the Type 28 data-link layer services defined in this document.

Keel: en

Alusdokumendid: IEC 61158-4-28:2023; EN IEC 61158-4-28:2023

EVS-EN IEC 61158-5-23:2023

Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements

IEC 61158-5-23:2023 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 23 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.

Keel: en

Alusdokumendid: EN IEC 61158-5-23:2023; IEC 61158-5-23:2023

Asendab dokumenti: EVS-EN IEC 61158-5-23:2019

EVS-EN IEC 61158-5-24:2023

Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type 24 elements

IEC 61158-5-24:2023 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 24 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.

Keel: en

Alusdokumendid: EN IEC 61158-5-24:2023; IEC 61158-5-24:2023

Asendab dokumenti: EVS-EN 61158-5-24:2014

EVS-EN IEC 61158-5-26:2023

Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements

1.1 General The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs." This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This International Standard defines in an abstract way the externally visible service provided by the Type 2 fieldbus application layer in terms of: a) an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service, b) the primitive actions and events of the service; c) the parameters associated with each primitive action and event, and the form which they take; and d) the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: a) the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and b) Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the 318 FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en

Alusdokumendid: IEC 61158-5-26:2023; EN IEC 61158-5-26:2023

Asendab dokumenti: EVS-EN IEC 61158-5-26:2019

EVS-EN IEC 61158-5-27:2023

Industrial communication networks - Fieldbus specifications - Part 5-27: Application layer service definition - Type 27 elements

IEC 61158-5-27:2023 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 27 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.

Keel: en

Alusdokumendid: EN IEC 61158-5-27:2023; IEC 61158-5-27:2023

EVS-EN IEC 61158-5-28:2023

Industrial communication networks - Fieldbus specifications - Part 5-28: Application layer service definition - Type 28 elements

IEC 61558-5-28:2023 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 28 fieldbus. The term "time-critical" is used to represent the presence of a time-window, in which one or more specified actions are required to be completed with some defined level of certainty.

Keel: en

Alusdokumendid: EN IEC 61158-5-28:2023; IEC 61158-5-28:2023

EVS-EN IEC 61158-6-27:2023

Industrial communication networks - Fieldbus Specifications Part 6-27: Application layer protocol specification - Type 27 elements

1.1 General The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs." This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 27 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This International Standard defines in an abstract way the externally visible service provided by the different Types of fieldbus Application Layer in terms of a) an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service, b) the primitive actions and events of the service, c) the parameters associated with each primitive action and event, and the form which they take, and d) the interrelationship between these actions and events, and their valid sequences. The purpose of this International Standard is to define the services provided to a) the FAL user at the boundary between the user and the Application Layer of the Fieldbus Reference Model, and b) Systems Management at the boundary between the Application Layer and Systems Management of the Fieldbus Reference Model. This International Standard specifies the structure and services of the IEC fieldbus Application Layer,

in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI Application Layer Structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented Application Service Elements (ASEs) and a Layer Management Entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the 289 FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this International Standard to provide access to the FAL to control certain aspects of its operation.

Keel: en

Alusdokumendid: IEC 61158-6-27:2023; EN IEC 61158-6-27:2023

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS 860-5:2023

Tehniliste paigaldiste termiline isoleerimine. Osa 5: Torustike, mahutite ja seadmete isoleerimine. Isolatsiooni paksuse määramine

Thermal insulation of technical equipment - Part 5: Insulation of pipes, vessels and equipment. Dimensioning

See standard on osa EVS 860 standardisarjast, mis on koostatud tehniliste paigaldiste isolatsiooni valdkonnaga kokkupuutuvatele ettevõtetele ja eraisikutele, kes teostavad isolatsioonitöid ja isoleerimiseks vajalikke eeltöid, tellijatele, projekteerijatele, seadmete ja torustike valmistajatele ning isolatsioonimaterjalide tarnijatele. Standardisari sobib kasutamiseks ka ülddehites, nii era- kui ka riigisektoris. See standard käsitleb torustike, mahutite ja seadmete soojus- ja külmaisolatsiooni isolatsiooni paksuse määramist, sisaldades isolatsiooni paksuste tabeleid.

Keel: et

Alusdokumendid: PSK 3704:2021

Asendab dokumenti: EVS 860-5:2017

29 ELEKTROTEHNIKA

EVS-EN IEC 61547:2023

Üldvalgustusseadmed. Elektromagnetilise ühilduvuse häiringutaluvusnõuded **Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2020)**

See elektromagnetilise häiringutaluvuse nõudeid määratlev IEC 61547 osa kohaldub valgustusseadmetele, mis kuuluvad IEC tehnilise komitee 34 käsitlusalas, sealhulgas valgusallikatele, valgustitele ja moodulitele. Selle dokumendi käsitlusalast on välja jäetud — komponendid ja moodulid, mis on ette nähtud valgustusseadmesse sisse ehitamiseks ja pole lõppkasutaja poolt asendatavad; — seadmed, millele on elektromagnetilise ühilduvuse nõuded raadiosageduslikus vahemikus määratletud põhjalikult teiste toodete häiringutaluvuse standardites, isegi kui need sisaldavad sisseehitatud valgustusfunktsiooni. MÄRKUS Näited väljajäetud seadmetest on — seadmed, millesse on sisse ehitatud taustvalguse, skaalavalguse ja signaalvalguse jaoks mõeldud valgustusseadised; — tahkis-valgusekraanid; — õhupuhastid, külmikud, sügavkülmikud; — koopiamašinaid, projektorid; — püsipaigaldiste elektronlülitid; — liiklusvahendite valgustusseadmed (CISPR 12 käsitlusalas); — õhusõidukite ja lennuväljarajatiste valgustusseadmed. Seevastu mitmeotstarbeliste seadmete korral, millel valgustusfunktsioon töötab sõltumata teistest funktsioonidest, tuleb selle dokumendi elektromagnetilise ühilduvuse nõudeid kohaldada üksnes valgustusfunktsioonile. Juhtmevaba kaugjuhtimisfunktsiooniga valgustusseadmed kuuluvad samuti selle dokumendi käsitlusalas. Katsetused piirduvad siiski ainult valgustusfunktsiooni kontrollimisega. Raadio valdkonda kuuluvaid nähtusi, nagu sageduse stabiilsus või parasitiikiirgused, ei kontrollita. NÄIDE Värvuse ja/või valgustugevuse juhtimine juhtmevaba liidese kaudu peab pärast häiringutaluvuskatsetust jääma algsel viisil toimivaks. Selle dokumendi käsitlusalas kuulub ka valgustusseade, mis ühildub süsteemide või paigaldistega, välja arvatud ühendus tavalise toitevõrguga. Selle dokumendi nõuded põhinevad standardis IEC 61000-6-1:2016 sätestatud nõuetel kodu-, kaubandus- ja väiketööstuskeskkonna jaoks, kuid on kohandatud valgustusvaldkonna jaoks. Võib eeldada, et valgustusseadmed, mis täidavad selle dokumendi nõudeid, töötavad rahuldavalt ka teistes keskkondades. Mõningatel erijuhtudel võib võtta kasutusele meetmeid, et tagada kõrgendatud häiringutaluvus. Selles dokumendis ei ole mõistlik hakata käsitlema kõiki neid võimalusi. Sellised nõuded saab kehtestada tarnija ja ostja vahelises lepingus.

Keel: en, et

Alusdokumendid: IEC 61547:2020; EN IEC 61547:2023

Asendab dokumenti: EVS-EN 61547:2009

EVS-EN IEC 62271-110:2023

High-voltage switchgear and controlgear - Part 110: Inductive load switching

IEC 62271-110:2023 is applicable to AC switching devices designed for indoor or outdoor installation, for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 000 V and applied for inductive current switching. It is applicable to switching devices (including circuit-breakers in accordance with IEC 62271-100) that are used to switch high-voltage motor currents and shunt reactor currents and also to high-voltage contactors used to switch high-voltage motor currents as covered by IEC 62271-106. This fifth edition cancels and replaces the fourth edition published in 2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: references to IEC 62271-100 and IEC 62271-106 have been updated to the latest editions.

Keel: en

Alusdokumendid: IEC 62271-110:2023; EN IEC 62271-110:2023
Asendab dokumenti: EVS-EN IEC 62271-110:2018
Asendab dokumenti: EVS-EN IEC 62271-110:2018/AC:2018

EVS-EN IEC 62281:2019+A1+A2:2023

Safety of primary and secondary lithium cells and batteries during transport (IEC 62281:2019 + IEC 62281:2019/A1:2021+ IEC 62281:2019/AMD2:2023)

This International Standard specifies test methods and requirements for primary and secondary (rechargeable) lithium cells and batteries to ensure their safety during transport other than for recycling or disposal. Requirements specified in this document do not apply in those cases where special provisions given in the relevant regulations, listed in 7.3, provide exemptions. NOTE Different standards may apply for lithium-ion traction battery systems used for electrically propelled road vehicles.

Keel: en

Alusdokumendid: IEC 62281:2019; EN IEC 62281:2019; IEC 62281:2019/A1:2021; EN IEC 62281:2019/A1:2021; IEC 62281:2019/A2:2023; EN IEC 62281:2019/A2:2023
Konsolideerib dokumenti: EVS-EN IEC 62281:2019
Konsolideerib dokumenti: EVS-EN IEC 62281:2019/A1:2021
Konsolideerib dokumenti: EVS-EN IEC 62281:2019/A2:2023
Konsolideerib dokumenti: EVS-EN IEC 62281:2019+A1:2021

EVS-EN IEC 62321-12:2023

Determination of certain substances in electrotechnical products - Part 12: Simultaneous determination - Polybrominated biphenyls, polybrominated diphenyl ethers and phthalates in polymers by gas chromatography-mass spectrometry

IEC 62321-12:2023 specifies a reference test method for the simultaneous determination of polybrominated biphenyls, polybrominated diphenyl ethers, and four phthalates: di-isobutyl phthalate (DIBP), di-n-butyl phthalate (DBP), benzylbutyl phthalate (BBP), di-(2-ethylhexyl) phthalate (DEHP) in polymers of electrotechnical products. The extraction technique described in this document is the ultrasonic-assisted extraction used for simultaneous extraction for sample preparation. Gas chromatography-mass spectrometry (GC-MS) is considered as the reference technique for the measurement of the simultaneous determination of analytes in the range of 25 mg/kg to 2 000 mg/kg. The test method using ultrasonic-assisted extraction followed by GC-MS detection has been evaluated by the tests of polypropylene (PP), polyvinylchloride (PVC), acrylonitrile butadiene styrene (ABS), acrylate rubber (ACM), polystyrene (PS), polyurethane (PU) and polyethylene (PE) materials. This document has the status of a horizontal publication in accordance with IEC Guide 108.

Keel: en

Alusdokumendid: IEC 62321-12:2023; EN IEC 62321-12:2023

EVS-EN IEC 62386-150:2023

Digital addressable lighting interface – Part 150: Particular requirements - Auxiliary power supply

IEC 62386-150:2023 specifies the minimum requirements for an auxiliary (AUX) power supply that can be used to power a load, such as a sensor or communication device.

Keel: en

Alusdokumendid: IEC 62386-150:2023; EN IEC 62386-150:2023

33 SIDETEHNIKA

EVS-EN 50289-1-2:2023

Communication cables - Specifications for test methods - Part 1-2: Electrical test methods - DC resistance

This document details the test methods to determine the DC resistance characteristics of the conductors of cables used in analogue and digital communication systems. These characteristics are described by the conductor resistance, loop resistance and resistance unbalance.

Keel: en

Alusdokumendid: EN 50289-1-2:2023
Asendab dokumenti: EVS-EN 50289-1-2:2002

EVS-EN IEC 60794-2-10:2023

Optical fibre cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables

IEC 60794-2-10:2023 covers simplex and duplex optical fibre cables for indoor use. The requirements of IEC 60794-2 are applicable to cables covered by this document. For cables intended for installation in industrial applications specified in ISO/IEC 11801-1, MICE specifications can be additionally required (see Clause B.2). This third edition cancels and replaces the second edition published in 2011. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - updating of normative references; - updating of all relevant A1 and B1 fibre category and sub-category designations.

Keel: en

Alusdokumendid: IEC 60794-2-10:2023; EN IEC 60794-2-10:2023
Asendab dokumenti: EVS-EN 60794-2-10:2011

EVS-EN IEC 60966-3-3:2023

Radio frequency and coaxial cable assemblies - Part 3-3: Detail specification for semi-flexible cable assemblies (Jumper) - Frequency range up to 18 GHz, Type 50-141 semi-flexible coaxial cable

This part of IEC 60966 is a detail specification that relates to semi-flexible cable assemblies composed of type 50-141 semi-flexible coaxial cables with polytetrafluoroethylene (PTFE) dielectric (IEC 61196-8-4) and connectors such as, type SMA(IEC 61169-15), type N (IEC 61169-16). It gives subfamily detail requirements and severities which shall be applied. These cable assemblies are mainly used in the field of microwave and wireless equipment or other signal transmission equipment or units. The operating frequency is up to 18000 MHz. The qualification will be conducted in accordance with IEC 60966-3. Once one variant obtain qualification approval, the other variant with same cable and connection type can obtain qualification approval by conducting tests whose results might depend on the variants. Under capability approval, the qualification will be conducted on the relating CQCs (capability qualifying components) as defined in IEC 60966-3 and described in the CM(capability manual). Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in IEC 60966-3 and described in the CM.

Keel: en

Alusdokumendid: IEC 60966-3-3:2023; EN IEC 60966-3-3:2023

EVS-EN IEC 60966-3-4:2023

Radio frequency and coaxial cable assemblies - Part 3-4: Detail specification for semi-flexible cable assemblies (Jumper) - Frequency range up to 6 GHz, Type 50-141 semi-flexible coaxial cable

This part of IEC 60966 is a detail specification that relates to semi-flexible cable assemblies composed of type 50-141 semi-flexible coaxial cables with polytetrafluoroethylene (PTFE) dielectric (IEC 61196-8-4) and connectors such as type 7-16 (IEC 61169-4), type 4,1-9,5 (IEC 61169-11), type S7-16 (IEC 61169-53) , type 4,3-10 (IEC 61169-54). It gives subfamily detail requirements and severities which shall be applied. These cable assemblies are mainly used in the field of mobile communication base station antenna system, terrestrial microwave communication and radar systems. The operating frequency is up to 6000 MHz. The qualification will be conducted in accordance with IEC 60966-3. Once one variant obtain qualification approval, the other variant with same cable and connection type can obtain qualification approval by conducting tests whose results might depend on the variants. Under capability approval, the qualification will be conducted on the relating CQCs (capability qualifying components) as defined in IEC 60966-3 and described in the CM(capability manual). Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in IEC 60966-3 and described in the CM.

Keel: en

Alusdokumendid: IEC 60966-3-4:2023; EN IEC 60966-3-4:2023

EVS-EN IEC 61158-1:2023

Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

IEC 61158-1:2023 specifies the generic concept of fieldbuses. This document also presents an overview and guidance for the IEC 61158 series - by:explaining the structure and content of the IEC 61158 series; - relating the structure of the IEC 61158 series to the ISO/IEC 7498-1 OSI Basic Reference Model; - showing the logical structure of the IEC 61784 series; - showing how to use parts of the IEC 61158 series in combination with the IEC 61784 series; - providing explanations of some aspects of the IEC 61158 series that are common to the type specific parts of the IEC 61158-5 series including the application layer service description concepts and the generic fieldbus data types.

Keel: en

Alusdokumendid: IEC 61158-1:2023; EN IEC 61158-1:2023

Asendab dokumenti: EVS-EN IEC 61158-1:2019

EVS-EN IEC 61547:2023

Üldvalgustusseadmed. Elektromagnetilise ühilduvuse häiringutaluvusnõuded Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2020)

See elektromagnetilise häiringutaluvuse nõudeid määratlev IEC 61547 osa kohaldub valgustusseadmetele, mis kuuluvad IEC tehnilise komitee 34 käsitlusalasse, sealhulgas valgusallikatele, valgustitele ja moodulitele. Selle dokumendi käsitlusalast on välja jäetud — komponendid ja moodulid, mis on ette nähtud valgustusseadmesse sisse ehitamiseks ja pole lõppkasutaja poolt asendatavad; — seadmed, millele on elektromagnetilise ühilduvuse nõuded raadiosageduslikus vahemikus määratletud põhjalikult teiste toodete häiringutaluvuse standardites, isegi kui need sisaldavad sisseehitatud valgustusfunktsiooni. MÄRKUS Näited väljajäetud seadmetest on — seadmed, millesse on sisse ehitatud taustvalguse, skaalavalguse ja signaalvalguse jaoks mõeldud valgustusseadised; — tahkis-valgusekraanid; — õhupuhastid, külmikud, sügavkülmikud; — koopiamasinad, projektorid; — püsipaigaldiste elektronlülitid; — liiklusvahendite valgustusseadmed (CISPR 12 käsitlusalas); — õhusõidukite ja lennuväljarajatiste valgustusseadmed. Seevastu mitmeotstarbeliste seadmete korral, mille valgustusfunktsioon töötab sõltumata teistest funktsioonidest, tuleb selle dokumendi elektromagnetilise ühilduvuse nõudeid kohaldada üksnes valgustusfunktsioonile. Juhtmevaba kaugjuhtimisfunktsiooniga valgustusseadmed kuuluvad samuti selle dokumendi käsitlusalasse. Katsetused piirduvad siiski ainult valgustusfunktsiooni kontrollimisega. Raadio valdkonda kuuluvaid nähtusi, nagu sageduse stabiilsus või parasiitkiirgused, ei kontrollita. NÄIDE Värvuse ja/või valgustugevuse juhtimine liidese kaudu peab pärast häiringutaluvuskatsetust jääma algsel viisil toimivaks. Selle dokumendi käsitlusalasse kuulub ka valgustusseade, mis ühildub

süsteemide või paigaldistega, välja arvatud ühendus tavalise toitevõrguga. Selle dokumendi nõuded põhinevad standardis IEC 61000-6-1:2016 sätestatud nõuetel kodu-, kaubandus- ja väiketööstuskeskonna jaoks, kuid on kohandatud valgustusvaldkonna jaoks. Võib eeldada, et valgustusseadmed, mis täidavad selle dokumendi nõudeid, töötavad rahuldavalt ka teistes keskkondades. Mõningatel erijuhtudel võib võtta kasutusele meetmeid, et tagada kõrgendatud häiringutaluvus. Selles dokumendis ei ole mõistlik hakata käsitlema kõiki neid võimalusi. Sellised nõuded saab kehtestada tarnija ja ostja vahelises lepingus.

Keel: en, et

Alusdokumendid: IEC 61547:2020; EN IEC 61547:2023

Asendab dokumenti: EVS-EN 61547:2009

EVS-EN IEC 61784-1-22:2023

Industrial networks - Profiles - Part 1-22: Fieldbus profiles - Communication Profile Family 22

This document defines Communication Profile Family 22 (CPF 22). CPF 22 specifies a protocol specific communication profile (CP) based on the IEC 61158 series (Type 28) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. NOTE All CPs are based on standards or draft standards or International Standards published by the IEC or from standards or International Standards established by other standards bodies or open standards processes. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en

Alusdokumendid: IEC 61784-1-22:2023; EN IEC 61784-1-22:2023

EVS-EN IEC 61784-2-19:2023

Industrial networks - Profiles - Part 2-19: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 19

This document defines extensions of Communication Profile Family 19 (CPF 19) for Real-Time Ethernet (RTE). CPF 19 specifies a Real-Time Ethernet (RTE) communication profile (CP) and related network components based on the IEC 61158 series (Type 27), ISO/IEC/IEEE 8802-3 and other standards. For each RTE communication profile, this document also specifies the relevant RTE performance indicators and the dependencies between these RTE performance indicators. NOTE 1 All CPs are based on standards or draft standards or International Standards published by the IEC or from standards or International Standards established by other standards bodies or open standards processes. NOTE 2 The RTE communication profile uses ISO/IEC/IEEE 8802-3 communication networks and its related network components and may in some cases amend those standards to obtain RTE features. NOTE 3 Some CPs of CPF 19 are specified in IEC 61784-1-19.

Keel: en

Alusdokumendid: IEC 61784-2-19:2023; EN IEC 61784-2-19:2023

35 INFOTEHNOLOOGIA

CEN ISO/TR 25060:2023

Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - General framework for Common Industry Format (CIF) for usability-related information (ISO/TR 25060:2023)

This document describes information items enabling systematic human-centred design for interactive systems. Some of these information items are elaborated by separate International Standards, named the Common Industry Format (CIF) for usability-related information. This document provides the framework of information items, including definitions and the content for each information item. This document includes the following: — the intended users of the information items; — consistent terminology; — the high-level content structure to be used for documenting each information item. The information items are intended to be used as part of system-level documentation resulting from development processes such as those in ISO 9241-210, ISO 9241-220 and ISO/IEC JTC 1/SC 7 process standards (e.g. ISO/IEC/IEEE 15288, ISO/IEC/IEEE 29148). This document focuses on those information items needed for design, development and evaluation of usable systems, rather than prescribing a specific process. It is intended to be used in conjunction with existing International Standards, including the standards of the ISO 9241 series and the SQuaRE documents. This document does not prescribe any kind of method, life cycle or process. NOTE The information items produced by human-centred design activities can be incorporated in design approaches as diverse as object-oriented, waterfall, HFI (human factors integration), agile and rapid development.

Keel: en

Alusdokumendid: ISO/TR 25060:2023; CEN ISO/TR 25060:2023

Asendab dokumenti: CEN ISO/IEC TR 25060:2017

CEN ISO/TR 9241-100:2023

Ergonomics of human-system interaction - Part 100: Overview of ISO 9241 software ergonomic standards (ISO/TR 9241-100:2023)

This document provides an overview of ISO 9241 software ergonomic standards in the form of executive summaries of these standards, in particular the parts in the ISO 9241-1XX family of documents. In addition, it provides executive summaries for ISO 9241-11, ISO 9241-210 and ISO 9241-220, which have specific relevance to the design of software-based interactive systems. This document is intended for the following types of users: — managers, who are involved in planning and managing product, system and/or service development projects, who are to be informed on the human-centred design approach and on guidance on software ergonomics; — developers, who will apply the guidance in these documents during the development process (either directly, based on training, or by using tools and style guides which incorporate the guidance); — user interface

design roles (including interaction designers, information architects, user interface designers, visual designers and content creators), who will apply the guidance in these documents during the creation and design process (either directly, based on training, or by using tools and style guides which incorporate the guidance); — user researchers, who are responsible for identifying user needs and inform context of use of a product, system or service; — evaluators, who are responsible for ensuring that products, systems or services meet the recommendations contained in these documents; — buyers, who will reference these documents in contracts during product procurement; — designers of user interface development tools and style guides to be used by user interface designers and developers. While the documents are applicable to all types of interactive systems, they do not cover the specifics of every context of use, such as safety critical systems and collaborative work.

Keel: en

Alusdokumendid: ISO/TR 9241-100:2023; CEN ISO/TR 9241-100:2023

Asendab dokumenti: CEN ISO/TR 9241-100:2011

CEN ISO/TS 20440:2023

Health informatics - Identification of medicinal products - Implementation guidelines for ISO 11239 data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging (ISO/TS 20440:2023)

This document describes data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging. Based on the principles outlined in this document, harmonised controlled terminologies will be developed according to an agreed maintenance process, allowing users to consult the terminologies and locate the appropriate terms for the concepts that they wish to describe. Provisions to allow for the mapping of existing regional terminologies to the harmonised controlled terminologies will also be developed in order to facilitate the identification of the appropriate terms. The codes provided for the terms can then be used in the relevant fields in the PhPID, PCID and MPID in order to identify those concepts. This document is intended for use by: — any organization that might be responsible for developing and maintaining such controlled vocabularies; — any regional authorities or software vendors who want to use the controlled vocabularies in their own systems and need to understand how they are created; — owners of databases who want to map their own terms to a standardized list of controlled vocabularies; — other users who want to understand the hierarchy of the controlled vocabularies in order to help identify the most appropriate term to describe a particular concept. This document does not specify a particular terminology for the implementation of ISO 11239.

Keel: en

Alusdokumendid: ISO/TS 20440:2023; CEN ISO/TS 20440:2023

Asendab dokumenti: CEN ISO/TS 20440:2016

EVS-EN IEC 61158-1:2023

Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

IEC 61158-1:2023 specifies the generic concept of fieldbuses. This document also presents an overview and guidance for the IEC 61158 series - by: explaining the structure and content of the IEC 61158 series; - relating the structure of the IEC 61158 series to the ISO/IEC 7498-1 OSI Basic Reference Model; - showing the logical structure of the IEC 61784 series; - showing how to use parts of the IEC 61158 series in combination with the IEC 61784 series; - providing explanations of some aspects of the IEC 61158 series that are common to the type specific parts of the IEC 61158-5 series including the application layer service description concepts and the generic fieldbus data types.

Keel: en

Alusdokumendid: IEC 61158-1:2023; EN IEC 61158-1:2023

Asendab dokumenti: EVS-EN IEC 61158-1:2019

EVS-EN IEC 61158-2:2023

Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition

IEC 61158-2:2023 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC 61158-1.

Keel: en

Alusdokumendid: IEC 61158-2:2023; EN IEC 61158-2:2023

Asendab dokumenti: EVS-EN 61158-2:2014

EVS-EN IEC 61158-3-2:2023

Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements

IEC 61158-3-2:2023 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC 61158-1. Throughout the set of fieldbus standards, the term "service" refers to the abstract capability provided by one layer of the OSI Basic Reference Model to the layer immediately above. Thus, the data-link layer service defined in this document is a conceptual architectural service, independent of administrative and implementation divisions.

Keel: en

Alusdokumendid: IEC 61158-3-2:2023; EN IEC 61158-3-2:2023

Asendab dokumenti: EVS-EN 61158-3-2:2014

Asendab dokumenti: EVS-EN 61158-3-2:2014/A1:2019

[EVS-EN IEC 61158-3-24:2023](#)

Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type 24 elements

IEC 61158-3-24:2023 provides common elements for basic time-critical messaging communications between devices in an automation environment. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time-window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 24 fieldbus data-link layer in terms of the primitive actions and events of the service; the interrelationship between these actions and events, and their valid sequences; the parameters associated with each primitive action and event, and the form which they take.

Keel: en

Alusdokumendid: EN IEC 61158-3-24:2023; IEC 61158-3-24:2023

Asendab dokumenti: EVS-EN 61158-3-24:2014

[EVS-EN IEC 61158-3-4:2023](#)

Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements

IEC 61158-3-4:2023 provides common elements for basic time-critical messaging communications between devices in an automation environment. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible services provided by the Type 4 fieldbus data-link layer in terms of the primitive actions and events of the services; the parameters associated with each primitive action and event, and the form which they take; and the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to the Type 4 fieldbus application layer at the boundary between the application and data-link layers of the fieldbus reference model; systems management at the boundary between the data-link layer and systems management of the fieldbus reference model.

Keel: en

Alusdokumendid: EN IEC 61158-3-4:2023; IEC 61158-3-4:2023

Asendab dokumenti: EVS-EN IEC 61158-3-4:2019

[EVS-EN IEC 61158-4-2:2023](#)

Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements

IEC 61158-4-2:2023 is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the "three-layer" fieldbus reference model described in IEC 61158-1. The data-link protocol provides the data-link service by making use of the services available from the physical layer. The primary aim of this document is to provide a set of rules for communication expressed in terms of the procedures to be carried out by peer data-link entities (DLEs) at the time of communication. These rules for communication are intended to provide a sound basis for development in order to serve a variety of purposes: - as a guide for implementers and designers; - for use in the testing and procurement of equipment; - as part of an agreement for the admittance of systems into the open systems environment; - as a refinement to the understanding of time-critical communications within OSI.

Keel: en

Alusdokumendid: IEC 61158-4-2:2023; EN IEC 61158-4-2:2023

Asendab dokumenti: EVS-EN IEC 61158-4-2:2019

[EVS-EN IEC 61158-5-23:2023](#)

Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements

IEC 61158-5-23:2023 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 23 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.

Keel: en

Alusdokumendid: EN IEC 61158-5-23:2023; IEC 61158-5-23:2023

Asendab dokumenti: EVS-EN IEC 61158-5-23:2019

[EVS-EN IEC 61158-5-24:2023](#)

Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type 24 elements

IEC 61158-5-24:2023 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 24 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.

Keel: en
Alusdokumendid: EN IEC 61158-5-24:2023; IEC 61158-5-24:2023
Asendab dokumenti: EVS-EN 61158-5-24:2014

EVS-EN IEC 61158-5-26:2023

Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements

1.1 General The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs." This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This International Standard defines in an abstract way the externally visible service provided by the Type 2 fieldbus application layer in terms of: a) an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service, b) the primitive actions and events of the service; c) the parameters associated with each primitive action and event, and the form which they take; and d) the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: a) the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and b) Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the 318 FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-26:2023; EN IEC 61158-5-26:2023
Asendab dokumenti: EVS-EN IEC 61158-5-26:2019

EVS-EN ISO 19160-4:2023

Addressing - Part 4: International postal address components and template language (ISO 19160-4:2023)

This document defines key terms for postal addressing, postal address components and constraints on their use. Specifically, this document specifies postal address components organized into three hierarchical levels: — elements, such as organization name or postcode, which have well-defined conceptual meaning and are not themselves made up of subordinate components, though they can be sub-divided for technical purposes; — constructs, such as organization identification, which group elements into units form a logical portion of a postal address; — segments, such as addressee specification, which group related postal address constructs and/or postal address elements into units with a specific defined function. This document also specifies a mechanism for the creation of sub-elements, which correspond to either sub-divisions of element content, such as door type or door indicator or to multiple occurrences and locations of elements in an address, such as levels of administrative regions. This document does not specify the length of any component nor the value range of any component. Moreover, this document specifies the codes to identify elements and sub-elements. Further, this document specifies postal address rendering rules. This includes: — identification and ordering of output lines in a rendered address; — conditions for the selection of candidate lines; — the order and concatenation of postal address components; — required and optional components; — parameters to contextualize an address for rendering; — the formatting of the components, subject to constraints on the space available for that task. Postal address rendering rules are represented in this document as a postal address template. Finally, this document specifies language suitable for computer processing to formally express postal address templates. This document does not cover the topic of data protection. Users of the document are nevertheless reminded that the storage and exchange of personal data are subject to legislation in many countries.

Keel: en
Alusdokumendid: ISO 19160-4:2023; EN ISO 19160-4:2023
Asendab dokumenti: EVS-EN ISO 19160-4:2017

EVS-EN ISO 21177:2023

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO 21177:2023)

This document contains specifications for a set of ITS station security services required to ensure the authenticity of the source and integrity of information exchanged between trusted entities, i.e.: — between devices operated as bounded secured managed entities, i.e. "ITS Station Communication Units" (ITS-SCU) and "ITS station units" (ITS-SU) as specified in ISO 21217; and — between ITS-SUs (composed of one or several ITS-SCUs) and external trusted entities such as sensor and control networks. These services include the authentication and secure session establishment which are required to exchange information in a trusted and secure manner. These services are essential for many intelligent transport system (ITS) applications and services including time-critical safety applications, automated driving, remote management of ITS stations (ISO 24102-2), and roadside/infrastructure-related services.

Keel: en
Alusdokumendid: ISO 21177:2023; EN ISO 21177:2023
Asendab dokumenti: CEN ISO/TS 21177:2019

EVS-ISO 15836-2:2023

Informatsioon ja dokumentatsioon. Dublin Core'i metaandmeelemendid. Osa 2: DCMI atribuudid ja klassid

Information and documentation - The Dublin Core metadata element set - Part 2: DCMI Properties and classes (ISO 15836-2:2019, identical)

See dokument kehtestab Dublin Core'i metaandmete terminite (edaspidi DCMI metaandmete terminite) kohta käiva sõnavara, millega saab ressursse kirjeldada valdkondadevaheliselt. See sisaldab kõiki DCMI metaandmete terminite¹ peamise nimeruumi (edaspidi nimeruumi /terms/) atribuute ja klasse, nagu need on avaldatud 2012. a DCMI soovitude dokumendis „DCMI Metadata Terms“ (DCMI-TERMS ja lisa A). Nagu on selgitatud lisas B, saab neid atribuute ja klasse identifitseerida URI-dena kui linkandmeid. MÄRKUS Dublin Core'i metaandmeelementide 15 algupärasest terminist, nagu need on määratletud nimeruumis <https://purl.org/dc/elements/1.1/> (edaspidi nimeruum /elements/1.1/), on samuti dokumenteeritud DCMI soovitudes „DCMI Metadata Terms“ ja standardis ISO 15836-1. See dokument ei sisalda järgmisi toetavaid termineid dokumendi „DCMI Metadata Terms“ spetsifikatsioonist: a) terminid nimeruumist /elements/1.1/ (mis sisalduvad ka standardis ISO 15836-1); b) sõnavara kodeerimisskeemid; c) süntaksi kodeerimisskeemid; d) DCMI tüüpide sõnavara; e) DCMI abstraktse mudeliga seotud terminid. Nii ISO 15836-1 kui ka see dokument sisaldavad nn 15 põhiterminit, kuid standardis ISO 15368-1 pärinevad need nimeruumist /elements/1.1/ ning selles dokumendis nimeruumist /terms/. Selles dokumendis on terminitel tulenevalt formaalsest domeenist ja ulatuse spetsifikatsioonist semantiliselt kitsam tähendus. See dokument ei kitsenda seda, mis võib olla ressurss. See dokument ei esita erilisi juurutamise juhiseid. Atribuute ja klasse kasutatakse tüüpiliselt rakendusprofiilide kontekstis, mis piirab või spetsifitseerib nende kasutuse kohalike või valdkondlike nõuete või põhimõtete järgi.

Keel: en
Alusdokumendid: ISO 15836-2:2019

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN ISO 12216:2022/A11:2023

Väikelaevad. Aknad, illuminaatorid, luugid, umbaknad ja ukсед. Tugevus- ja veekindlusnõuded Small craft - Windows, portlights, hatches, deadlights and doors - Strength and watertightness requirements

Amendment to EN ISO 12216:2022

Keel: en
Alusdokumendid: EN ISO 12216:2022/A11:2023
Muudab dokumenti: EVS-EN ISO 12216:2022
Muudab dokumenti: EVS-EN ISO 12216:2022+A1:2022

EVS-EN ISO 13297:2021/A11:2023

Väikelaevad. Elektrisüsteemid. Vahelduv- ja alalisvoolupaigaldised Small craft - Electrical systems - Alternating and direct current installations

Amendment to EN ISO 13297:2021

Keel: en
Alusdokumendid: EN ISO 13297:2021/A11:2023
Muudab dokumenti: EVS-EN ISO 13297:2021
Muudab dokumenti: EVS-EN ISO 13297:2021+A1:2022

EVS-EN ISO 13297:2021+A1+A11:2023

Väikelaevad. Elektrisüsteemid. Vahelduv- ja alalisvoolupaigaldised Small craft - Electrical systems - Alternating and direct current installations (ISO 13297:2020 + ISO 13297:2020/Amd 1:2022)

This document specifies the requirements for the design, construction and installation of the following types of DC and AC electrical systems, installed on small craft either individually or in combination: a) extra-low-voltage direct current (DC) electrical systems that operate at nominal potentials of 50 V DC or less; b) single-phase alternating current (AC) systems that operate at a nominal voltage not exceeding AC 250 V. This document does not cover the following: — electrical propulsion systems of direct current less than 1 500 V DC, single-phase alternating current up to 1 000 V AC, and three-phase alternating current up to 1 000 V AC, which are addressed by ISO 16315; — any conductor that is part of an outboard engine assembly and that does not extend beyond the outboard engine manufacturers supplied cowling; — three-phase AC installations that operate at a nominal voltage not exceeding 500 V AC, which are addressed by IEC 60092-507.

Keel: en
Alusdokumendid: ISO 13297:2020; EN ISO 13297:2021; ISO 13297:2020/Amd 1:2022; EN ISO 13297:2021/A1:2022; EN ISO 13297:2021/A11:2023
Konsolideerib dokumenti: EVS-EN ISO 13297:2021
Konsolideerib dokumenti: EVS-EN ISO 13297:2021/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 13297:2021/A11:2023
Konsolideerib dokumenti: EVS-EN ISO 13297:2021+A1:2022

EVS-EN ISO 25197:2020/A11:2023

Väikelaevad. Rooli, käiguvahetuse ja seguklapi elektrilised/elektroonilised juhtimissüsteemid Small craft - Electrical/electronic control systems for steering, shift and throttle

Amendment to EN ISO 25197:2020

Keel: en

Alusdokumendid: EN ISO 25197:2020/A11:2023

Muudab dokumenti: EVS-EN ISO 25197:2020

53 TÖSTE- JA TEISALDUS-SEADMED

EVS-EN ISO 283:2023

Textile conveyor belts - Full thickness tensile strength, elongation at break and elongation at the reference load - Test method (ISO 283:2023)

This document specifies a test method for the determination of the full thickness tensile strength in the longitudinal direction and the elongation at the reference force and breaking point of conveyor belts having a textile carcass. The method can also be used for the determination of full thickness tensile strength in the transverse direction and the elongation at the breaking point, for use when the manufacturer is requested by the purchaser to state values for these properties. This document does not apply to light conveyor belts as described in ISO 21183-1.

Keel: en

Alusdokumendid: ISO 283:2023; EN ISO 283:2023

Asendab dokumenti: EVS-EN ISO 283:2015

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN IEC 63203-204-1:2023

Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of e-textile products

IEC 63203-204-1:2023 specifies a household washing durability test method for e-textile products. This document includes testing procedures for e-textile products with electrically conductive components and sensors to collect the data of the user. This document does not cover safety or heat-generation test methods. Products containing components other than those listed in this clause are not covered by this document. This second edition includes the following significant technical changes with respect to the previous edition: a) Subclause 3.2 on conductive textiles has been deleted. b) Subclause 3.3 on leisurewear and sportswear has been deleted. c) Subclause 3.2 on washing procedure has been added. d) Figure 1 has been updated. e) The optional measurement of conductive tracks has been added in 4.1 to the checklist before carrying out washing durability test. f) Additions have been made to the list in Clause 6.

Keel: en

Alusdokumendid: IEC 63203-204-1:2023; EN IEC 63203-204-1:2023

Asendab dokumenti: EVS-EN IEC 63203-204-1:2021

65 PÖLLUMAJANDUS

EVS-EN 17853:2023

Animal feeding stuff: Methods of sampling and analysis - Determination of intact glucosinolates in feed materials and compound feed by LC-MS/MS

This document specifies a method for the determination of individual intact glucosinolates in feed materials including oilseeds and oilseed products and in compound feeds by high performance liquid chromatography (HPLC) coupled with tandem mass spectrometry (MS/MS). The method specified in this document has been successfully validated by collaborative trial in the following matrices: rape seed, camelina seed, Brassica oleracea seeds, mixed oilseeds, rape seed flakes, compound feed for bovine, porcine and poultry. The method is applicable for the quantitative determination of epiprogoitrin, glucoalyssin, glucoarabin, glucobrassicinapin, glucobrassicin, glucocamelinin, glucoerucin, glucoiberin, gluconapin, gluconapoleiferin, gluconasturtiin, glucoraphenin, glucoraphenin, glucotropaeolin, homoglucoamelinin, 4-hydroxyglucobrassicin, 4-methoxyglucobrassicin, neogluco-brassicin, progoitrin, sinalbin and sinigrin. The concentration ranges tested in the collaborative trial for each individual glucosinolate and for the total glucosinolate content are summarized in Table 1. [table not represented]

Keel: en

Alusdokumendid: EN 17853:2023

77 METALLURGIA

EVS-EN ISO 4491-1:2023

Metallic powders - Determination of oxygen content by reduction methods - Part 1: General guidelines (ISO 4491-1:2023)

Gives some recommendations for the correct interpretation of the results obtained. The test methods are applicable generally to all powders of metals, alloys, carbides and mixtures thereof. The constituents of the powder shall be non-volatile and free of

lubricant or organic binder. The limitations of the methods which depend upon the nature of the analysed metal are discussed in clause 4.

Keel: en

Alusdokumendid: EN ISO 4491-1:2023; ISO 4491-1:2023

Asendab dokumenti: EVS-EN 24491-1:2000

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 15434-1:2023

Bonding sealants - Part 1: Bonded glazing sealants for direct light exposure

This document covers the requirements for, and testing of sealants for use in one or more of the following applications: a) Manufacturing of insulating glass units where direct ultraviolet resistance and mechanical resistance (bonding use) of the insulating glass edge seal are required; b) Manufacturing of factory-made bonded sealant glazing elements when referred to by the relevant European Standards and/or European Technical Approval Guidelines; c) Assembling of glass products into or onto supports, where also direct ultraviolet resistance and/or mechanical resistance (bonding use) of the seal are required, under controlled environmental conditions as described in EN 13022-2. This document covers the evaluation of conformity and the factory production control with respect to the production of sealants in conformity with this document. This document describes the role of sealants that are in conformity with this document, with respect to sealing and bonding. This document does not apply to sealants for the manufacture of insulating glass units where the seal is fully protected, i.e. by a frame, from ultraviolet radiation.

Keel: en

Alusdokumendid: EN 15434-1:2023

Asendab dokumenti: EVS-EN 15434:2006+A1:2010

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 527-4:2023

Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:2023)

This document specifies the test conditions for the determination of the tensile properties of isotropic and orthotropic fibre-reinforced plastic composites, based upon the general principles given in ISO 527-1. NOTE 1 Unidirectional reinforced materials are covered by ISO 527-5. The methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus, Poisson's ratios and other aspects of the tensile stress-strain relationship under the defined conditions. The test method is suitable for use with the following materials: — fibre-reinforced thermosetting and thermoplastic composites incorporating non-unidirectional reinforcements such as mats, woven fabrics, woven rovings, chopped strands, combinations of such reinforcements, hybrids, rovings, short or milled fibres or prepregged materials (prepregs); NOTE 2 Injection moulded specimens are covered by ISO 527-2. — combinations of the above with unidirectional reinforcements and multidirectional reinforced materials constructed from unidirectional layers, provided such laminates are symmetrical; NOTE 3 Materials with completely or mainly unidirectional reinforcements are covered by ISO 527-5. — finished products made from materials mentioned above. The reinforcement fibres covered include glass fibres, carbon fibres, aramid fibres and other similar fibres.

Keel: en

Alusdokumendid: ISO 527-4:2023; EN ISO 527-4:2023

Asendab dokumenti: EVS-EN ISO 527-4:2021

91 EHITUSMATERJALID JA EHITUS

EVS 860-5:2023

Tehniliste paigaldiste termiline isoleerimine. Osa 5: Torustike, mahutite ja seadmete isoleerimine. Isolatsiooni paksuse määramine

Thermal insulation of technical equipment - Part 5: Insulation of pipes, vessels and equipment. Dimensioning

See standard on osa EVS 860 standardisarjast, mis on koostatud tehniliste paigaldiste isolatsiooni valdkonnaga kokkupuutuvatele ettevõtetele ja eraisikutele, kes teostavad isolatsioonitöid ja isoleerimiseks vajalikke eeltöid, tellijatele, projekteerijatele, seadmete ja torustike valmistajatele ning isolatsioonimaterjalide tarnijatele. Standardisari sobib kasutamiseks ka üldehituses, nii era- kui ka riigisektoris. See standard käsitleb torustike, mahutite ja seadmete soojus- ja külmaisolatsiooni isolatsiooni paksuse määramist, sisaldades isolatsiooni paksuste tabeleid.

Keel: et

Alusdokumendid: PSK 3704:2021

Asendab dokumenti: EVS 860-5:2017

EVS-EN 15434-1:2023

Bonding sealants - Part 1: Bonded glazing sealants for direct light exposure

This document covers the requirements for, and testing of sealants for use in one or more of the following applications: a) Manufacturing of insulating glass units where direct ultraviolet resistance and mechanical resistance (bonding use) of the insulating glass edge seal are required; b) Manufacturing of factory-made bonded sealant glazing elements when referred to by the relevant European Standards and/or European Technical Approval Guidelines; c) Assembling of glass products into or onto

supports, where also direct ultraviolet resistance and/or mechanical resistance (bonding use) of the seal are required, under controlled environmental conditions as described in EN 13022-2. This document covers the evaluation of conformity and the factory production control with respect to the production of sealants in conformity with this document. This document describes the role of sealants that are in conformity with this document, with respect to sealing and bonding. This document does not apply to sealants for the manufacture of insulating glass units where the seal is fully protected, i.e. by a frame, from ultraviolet radiation.

Keel: en

Alusdokumendid: EN 15434-1:2023

Asendab dokumenti: EVS-EN 15434:2006+A1:2010

93 RAJATISED

EVS-EN 12697-4:2023

Bituminous mixtures - Test methods - Part 4: Bitumen recovery: Fractionating column

This document specifies a method for the recovery of soluble bitumen from bituminous mixtures used in road, airfield or similar pavements in a form suitable for further testing. The method is applicable for the recovery of paving grade bitumen and is the reference method for recovery of soluble bitumen from bituminous mixtures containing volatile matter such as cut-back bitumen. The method is not applicable for recovery of polymer-modified bitumen. NOTE EN 12697-3 is the reference method for the recovery of paving grade bitumen and polymer-modified bitumen.

Keel: en

Alusdokumendid: EN 12697-4:2023

Asendab dokumenti: EVS-EN 12697-4:2015

EVS-EN 12697-43:2023

Bituminous mixtures - Test methods - Part 43: Resistance to fuel

This document specifies a test method to determine the resistance of a bituminous mixture or pavement to fuels. The procedure involves initial soaking of a test specimen made in the laboratory or cored from a pavement in a fuel, followed by a brushing period with a brush test device. The material loss of the specimen is a measure of the resistance to that fuel for that bituminous mixture.

Keel: en

Alusdokumendid: EN 12697-43:2023

Asendab dokumenti: EVS-EN 12697-43:2014

EVS-EN ISO 22476-5:2023

Geotechnical investigation and testing - Field testing - Part 5: Prebored pressuremeter test (ISO 22476-5:2023)

This document is applicable to pressuremeter tests using cylindrical flexible probes placed in pre-existent boreholes using testing procedures other than the Menard procedure. Pressuremeter tests following the Menard procedure are provided in ISO 22476-4. NOTE A high-pressure flexible pressuremeter probe which contains transducers for the measurement of radial displacements is also known as flexible dilatometer probe or high-pressure dilatometer probe. This document applies to tests performed in any kind of grounds, starting from soils, treated or untreated fills, hard soils and soft rocks, up to hard and very hard rocks, either on land or offshore. The parameters derived from this test can include stiffness, strength, initial in-situ stress state and consolidation properties.

Keel: en

Alusdokumendid: ISO 22476-5:2023; EN ISO 22476-5:2023

Asendab dokumenti: EVS-EN ISO 22476-5:2012

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 13089:2011+A3:2023

Mägironimisvarustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid Mountaineering equipment - Ice-tools - Safety requirements and test methods

This European Standard specifies safety requirements and test methods for ice-tools for use in mountaineering including climbing, and as a buried anchor for protection against falls.

Keel: en

Alusdokumendid: EN 13089:2011+A3:2023

Asendab dokumenti: EVS-EN 13089:2011+A2:2021

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

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

CEN ISO/TS 21177:2019

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO/TS 21177:2019)

Keel: en

Alusdokumendid: ISO/TS 21177:2019; CEN ISO/TS 21177:2019

Asendatud järgmise dokumendiga: EVS-EN ISO 21177:2023

Standardi staatus: Kehtetu

EVS-EN 16258:2012

Methodology for calculation and declaration of energy consumption and GHG emissions of transport services (freight and passengers)

Keel: en

Alusdokumendid: EN 16258:2012

Asendatud järgmise dokumendiga: EVS-EN ISO 14083:2023

Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 7439:2015

Vasktöötlusega emakasisesed kontraseptiivid. Nõuded ja katsetamine Copper-bearing contraceptive intrauterine devices - Requirements and tests (ISO 7439:2015)

Keel: en

Alusdokumendid: ISO 7439:2015; EN ISO 7439:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 7439:2023

Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TR 9241-100:2011

Ergonomics of human-system interaction - Part 100: Introduction to standards related to software ergonomics (ISO/TR 9241- 100:2010)

Keel: en

Alusdokumendid: ISO/TR 9241- 100:2010; CEN ISO/TR 9241-100:2011

Asendatud järgmise dokumendiga: CEN ISO/TR 9241-100:2023

Standardi staatus: Kehtetu

EVS-EN 1384:2017

Ratsutamiskiivrid Helmets for equestrian activities

Keel: en

Alusdokumendid: EN 1384:2017

Asendatud järgmise dokumendiga: EVS-EN 1384:2023

Standardi staatus: Kehtetu

EVS-EN 50292:2013

Electrical apparatus for the detection of carbon monoxide in domestic premises, caravans and boats - Guide on the selection, installation, use and maintenance

Keel: en

Alusdokumendid: EN 50292:2013

Asendatud järgmise dokumendiga: EVS-EN 50292:2023

Standardi staatus: Kehtetu

EVS-EN 61158-2:2014

Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition

Keel: en
Alusdokumendid: IEC 61158-2:2014; EN 61158-2:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-2:2023
Standardi staatus: Kehtetu

EVS-EN 61158-3-2:2014

Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements

Keel: en
Alusdokumendid: EN 61158-3-2:2014; IEC 61158-3-2:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-2:2023
Muudetud järgmise dokumendiga: EVS-EN 61158-3-2:2014/A1:2019
Standardi staatus: Kehtetu

EVS-EN 61158-3-2:2014/A1:2019

Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements

Keel: en
Alusdokumendid: IEC 61158-3-2:2014/Amd 1:2019; EN 61158-3-2:2014/A1:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-2:2023
Standardi staatus: Kehtetu

EVS-EN 61158-3-24:2014

Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type-24 elements

Keel: en
Alusdokumendid: EN 61158-3-24:2014; IEC 61158-3-24:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-24:2023
Standardi staatus: Kehtetu

EVS-EN 61158-5-24:2014

Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type-24 elements

Keel: en
Alusdokumendid: EN 61158-5-24:2014; IEC 61158-5-24:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-24:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-1:2019

Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

Keel: en
Alusdokumendid: IEC 61158-1:2019; EN IEC 61158-1:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-3-4:2019

Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements

Keel: en
Alusdokumendid: IEC 61158-3-4:2019; EN IEC 61158-3-4:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-2:2019

Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements

Keel: en

Alusdokumendid: IEC 61158-4-2:2019; EN IEC 61158-4-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-4-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-23:2019

Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements

Keel: en

Alusdokumendid: IEC 61158-5-23:2019; EN IEC 61158-5-23:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-23:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-26:2019

Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements

Keel: en

Alusdokumendid: IEC 61158-5-26:2019; EN IEC 61158-5-26:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-26:2023
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

CR 1472:1997

General guidance for the marking of gas appliances

Keel: en

Alusdokumendid: CR 1472:1997
Standardi staatus: Kehtetu

EVS 860-5:2017

Tehniliste paigaldiste termiline isoleerimine. Osa 5: Torustikud, mahutid ja seadmed.

Dimensioneerimine

Thermal insulation of technical equipment - Part 5: Insulation of pipes, vessels and equipment. Dimensioning

Keel: et

Asendatud järgmise dokumendiga: EVS 860-5:2023
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 61547:2009

Üldvalgustusseadmed. Elektromagnetilise ühilduvuse häiringukindluse nõuded Equipment for general lighting purposes - EMC immunity requirements

Keel: en

Alusdokumendid: IEC 61547:2009; EN 61547:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 61547:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62271-110:2018

High-voltage switchgear and controlgear - Part 110: Inductive load switching

Keel: en

Alusdokumendid: IEC 62271-110:2017; EN IEC 62271-110:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-110:2023
Parandatud järgmise dokumendiga: EVS-EN IEC 62271-110:2018/AC:2018
Standardi staatus: Kehtetu

EVS-EN IEC 62271-110:2018/AC:2018

High-voltage switchgear and controlgear - Part 110: Inductive load switching

Keel: en

Alusdokumendid: IEC 62271-110:2017/COR1:2017; IEC 62271-110:2017/COR2:2018; EN IEC 62271-110:2018/AC:2018-03
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-110:2023
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 50289-1-2:2002

Communication cables - Specifications for test methods - Part 1-2: Electrical test methods - D.C. resistance

Keel: en
Alusdokumendid: EN 50289-1-2:2001
Asendatud järgmise dokumendiga: EVS-EN 50289-1-2:2023
Standardi staatus: Kehtetu

EVS-EN 60794-2-10:2011

Optical fibre cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables

Keel: en
Alusdokumendid: IEC 60794-2-10:2011; EN 60794-2-10:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60794-2-10:2023
Standardi staatus: Kehtetu

EVS-EN 61547:2009

Üldvalgustusseadmed. Elektromagnetilise ühilduvuse häiringukindluse nõuded Equipment for general lighting purposes - EMC immunity requirements

Keel: en
Alusdokumendid: IEC 61547:2009; EN 61547:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 61547:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-1:2019

Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

Keel: en
Alusdokumendid: IEC 61158-1:2019; EN IEC 61158-1:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-1:2023
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN ISO/IEC TR 25060:2017

Systems and software engineering - Systems and software product Quality Requirements and Evaluation (SQuaRE) - Common Industry Format (CIF) for usability: General framework for usability-related information (ISO/IEC TR 25060:2010)

Keel: en
Alusdokumendid: ISO/IEC TR 25060:2010; CEN ISO/IEC TR 25060:2017
Asendatud järgmise dokumendiga: CEN ISO/TR 25060:2023
Standardi staatus: Kehtetu

CEN ISO/TR 9241-100:2011

Ergonomics of human-system interaction - Part 100: Introduction to standards related to software ergonomics (ISO/TR 9241- 100:2010)

Keel: en
Alusdokumendid: ISO/TR 9241- 100:2010; CEN ISO/TR 9241-100:2011
Asendatud järgmise dokumendiga: CEN ISO/TR 9241-100:2023
Standardi staatus: Kehtetu

CEN ISO/TS 20440:2016

Health informatics - Identification of medicinal products - Implementation guide for ISO 11239 data elements and structures for the unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation, routes of administration and packaging (ISO/TS 20440:2016)

Keel: en
Alusdokumendid: ISO/TS 20440:2016; CEN ISO/TS 20440:2016
Asendatud järgmise dokumendiga: CEN ISO/TS 20440:2023
Standardi staatus: Kehtetu

CEN ISO/TS 21177:2019

Intelligent transport systems - ITS station security services for secure session establishment and authentication between trusted devices (ISO/TS 21177:2019)

Keel: en

Alusdokumendid: ISO/TS 21177:2019; CEN ISO/TS 21177:2019

Asendatud järgmise dokumendiga: EVS-EN ISO 21177:2023

Standardi staatus: Kehtetu

EVS-EN 61158-2:2014

Industrial communication networks - Fieldbus specifications - Part 2: Physical layer specification and service definition

Keel: en

Alusdokumendid: IEC 61158-2:2014; EN 61158-2:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 61158-2:2023

Standardi staatus: Kehtetu

EVS-EN 61158-3-2:2014

Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements

Keel: en

Alusdokumendid: EN 61158-3-2:2014; IEC 61158-3-2:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-2:2023

Muudetud järgmise dokumendiga: EVS-EN 61158-3-2:2014/A1:2019

Standardi staatus: Kehtetu

EVS-EN 61158-3-2:2014/A1:2019

Industrial communication networks - Fieldbus specifications - Part 3-2: Data-link layer service definition - Type 2 elements

Keel: en

Alusdokumendid: IEC 61158-3-2:2014/Amd 1:2019; EN 61158-3-2:2014/A1:2019

Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-2:2023

Standardi staatus: Kehtetu

EVS-EN 61158-3-24:2014

Industrial communication networks - Fieldbus specifications - Part 3-24: Data-link layer service definition - Type-24 elements

Keel: en

Alusdokumendid: EN 61158-3-24:2014; IEC 61158-3-24:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-24:2023

Standardi staatus: Kehtetu

EVS-EN 61158-5-24:2014

Industrial communication networks - Fieldbus specifications - Part 5-24: Application layer service definition - Type-24 elements

Keel: en

Alusdokumendid: EN 61158-5-24:2014; IEC 61158-5-24:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-24:2023

Standardi staatus: Kehtetu

EVS-EN IEC 61158-1:2019

Industrial communication networks - Fieldbus specifications - Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

Keel: en

Alusdokumendid: IEC 61158-1:2019; EN IEC 61158-1:2019

Asendatud järgmise dokumendiga: EVS-EN IEC 61158-1:2023

Standardi staatus: Kehtetu

EVS-EN IEC 61158-3-4:2019

Industrial communication networks - Fieldbus specifications - Part 3-4: Data-link layer service definition - Type 4 elements

Keel: en
Alusdokumendid: IEC 61158-3-4:2019; EN IEC 61158-3-4:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-3-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-2:2019

Industrial communication networks - Fieldbus specifications - Part 4-2: Data-link layer protocol specification - Type 2 elements

Keel: en
Alusdokumendid: IEC 61158-4-2:2019; EN IEC 61158-4-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-4-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-23:2019

Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements

Keel: en
Alusdokumendid: IEC 61158-5-23:2019; EN IEC 61158-5-23:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-23:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-26:2019

Industrial communication networks - Fieldbus specifications - Part 5-26: Application layer service definition - Type 26 elements

Keel: en
Alusdokumendid: IEC 61158-5-26:2019; EN IEC 61158-5-26:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-26:2023
Standardi staatus: Kehtetu

EVS-EN ISO 19160-4:2017

Adresseerimine. Osa 4: Rahvusvahelised postiaadresside elemendid ja tähistusmallide keel Addressing - Part 4: International postal address components and template language (ISO 19160-4:2017)

Keel: en
Alusdokumendid: ISO 19160-4:2017; EN ISO 19160-4:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 19160-4:2023
Standardi staatus: Kehtetu

53 TÖSTE- JA TEISALDUS-SEADMED

EVS-EN ISO 283:2015

Textile conveyor belts - Full thickness tensile strength, elongation at break and elongation at the reference load - Test method (ISO 283:2015)

Keel: en
Alusdokumendid: ISO 283:2015; EN ISO 283:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 283:2023
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN IEC 63203-204-1:2021

Wearable electronic devices and technologies - Part 204-1: Electronic textile - Test method for assessing washing durability of leisurewear and sportswear e-textile systems

Keel: en
Alusdokumendid: IEC 63203-204-1:2021; EN IEC 63203-204-1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 63203-204-1:2023
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 24491-1:2000

Metallpulbrid. Hapnikusisalduse määramine reduktsioonimeetodil. Osa 1: Üldjuhised **Metallic powders - Determination of oxygen content by reduction methods - Part 1: General guidelines**

Keel: en

Alusdokumendid: ISO 4491-1:1989; EN 24491-1:1993

Asendatud järgmise dokumendiga: EVS-EN ISO 4491-1:2023

Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 15434:2006+A1:2010

Glass in building - Product standard for structural and/or ultra-violet resistant sealant (for use with structural sealant glazing and/or insulating glass units with exposed seals) **CONSOLIDATED TEXT**

Keel: en

Alusdokumendid: EN 15434:2006+A1:2010

Asendatud järgmise dokumendiga: EVS-EN 15434-1:2023

Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 527-4:2021

Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:2021, Corrected version 2022-02)

Keel: en

Alusdokumendid: ISO 527-4:2021; EN ISO 527-4:2021

Asendatud järgmise dokumendiga: EVS-EN ISO 527-4:2023

Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS 860-5:2017

Tehniliste paigaldiste termiline isoleerimine. Osa 5: Torustikud, mahutid ja seadmed. **Dimensioneerimine** **Thermal insulation of technical equipment - Part 5: Insulation of pipes, vessels and equipment.** **Dimensioning**

Keel: et

Asendatud järgmise dokumendiga: EVS 860-5:2023

Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 12697-4:2015

Bituminous mixtures - Test methods - Part 4: Bitumen recovery: Fractionating column

Keel: en

Alusdokumendid: EN 12697-4:2015

Asendatud järgmise dokumendiga: EVS-EN 12697-4:2023

Standardi staatus: Kehtetu

EVS-EN 12697-43:2014

Bituminous mixtures - Test methods for hot mix asphalt - Part 43: Resistance to fuel

Keel: en

Alusdokumendid: EN 12697-43:2014

Asendatud järgmise dokumendiga: EVS-EN 12697-43:2023

Standardi staatus: Kehtetu

EVS-EN ISO 22476-5:2012

Geotechnical investigation and testing - Field testing - Part 5: Flexible dilatometer test (ISO 22476-5:2012)

Keel: en

Alusdokumendid: ISO 22476-5:2012; EN ISO 22476-5:2012

Asendatud järgmise dokumendiga: EVS-EN ISO 22476-5:2023

Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 13089:2011+A2:2021

Mägironimisvarustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid Mountaineering equipment - Ice-tools - Safety requirements and test methods

Keel: en

Alusdokumendid: EN 13089:2011+A2:2021

Asendatud järgmise dokumendiga: EVS-EN 13089:2011+A3:2023

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;
- käsitlusala;
- 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 12597

Bitumen and bituminous binders - Terminology

This European Standard defines terms for paving or industrial bitumen of various types and binders derived from bitumen. This European Standard is intended to cover materials only within the scope of CEN/TC 336, i.e. only bitumens and bituminous binders. It should consequently not extend to non-petroleum "hydrocarbon" binders such as coal tar and its derivatives or to natural asphalts. However, some definitions are given for some excluded materials and related terms. The corresponding terms were introduced only when they appeared in a definition of a product or process and when their definition was found necessary for understanding or for avoiding any ambiguity.

Keel: en

Alusdokumendid: prEN 12597

Asendab dokumenti: EVS-EN 12597:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

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

prEN ISO 22014

Library objects for architecture, engineering, construction, and use (ISO/DIS 22014:2023)

Recommendations for defining format and content for construction library objects to support project briefing, design, tendering, construction, and management of built assets. It is intended for all professionals and service providers using generic and product specific data, supporting then development of information throughout the process. To develop an International Standard giving principles and definitions for the symbolic and simplified visual presentation of objects in connection with Building Information Modelling (BIM), and their organization into libraries.

Keel: en

Alusdokumendid: ISO/DIS 22014; prEN ISO 22014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 45001

Occupational health and safety management systems - Requirements with guidance for use (ISO 45001:2018)

This document specifies requirements for an occupational health and safety (OH&S) management system, and gives guidance for its use, to enable organizations to provide safe and healthy workplaces by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance. This document is applicable to any organization that wishes to establish, implement and maintain an OH&S management system to improve occupational health and safety, eliminate hazards and minimize OH&S risks (including system deficiencies), take advantage of OH&S opportunities, and address OH&S management system nonconformities associated with its activities. This document helps an organization to achieve the intended outcomes of its OH&S management system. Consistent with the organization's OH&S policy, the intended outcomes of an OH&S management system include: a) continual improvement of OH&S performance; b) fulfilment of legal requirements and other requirements; c) achievement of OH&S objectives. This document is applicable to any organization regardless of its size, type and activities. It is applicable to the OH&S risks under the organization's control, taking into account factors such as the context in which the

organization operates and the needs and expectations of its workers and other interested parties. This document does not state specific criteria for OH&S performance, nor is it prescriptive about the design of an OH&S management system. This document enables an organization, through its OH&S management system, to integrate other aspects of health and safety, such as worker wellness/wellbeing. This document does not address issues such as product safety, property damage or environmental impacts, beyond the risks to workers and other relevant interested parties. This document can be used in whole or in part to systematically improve occupational health and safety management. However, claims of conformity to this document are not acceptable unless all its requirements are incorporated into an organization's OH&S management system and fulfilled without exclusion.

Keel: en

Alusdokumendid: prEN ISO 45001; ISO 45001:2018

Asendab dokumenti: EVS-ISO 45001:2018

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEVS-ISO 21503

Projekti-, programmi- ja portfelli juhtimine. Programmijuhtimise juhised Project, programme and portfolio management — Guidance on programme management (ISO 21503:2022, identical)

See dokument annab juhised programmijuhtimiseks. See dokument on rakendatav igat tüüpi, sealhulgas avaliku või erasektori, igasuguse suurusega või mis tahes sektorisse kuuluvates organisatsioonides, samuti igat tüüpi programmides sõltumata nende keerukusest. See dokument annab üldised kirjeldused asjakohastest terminitest, määratlustest, kontseptsioonidest, eeldustest ja menetlustest koos rollide ja vastutusega, mis moodustavad programmijuhtimise hea tava. See dokument ei anna juhiseid protsesside, meetodite ega vahendite kohta.

Keel: en

Alusdokumendid: ISO 21503:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

11 TERVISEHOOLDUS

EN ISO 81060-2:2019/prA2

Non-invasive sphygmomanometers - Part 2: Clinical investigation of intermittent automated measurement type - Amendment 2 (ISO 81060 2:2018/DAM 2:2023)

Amendment to EN ISO 81060-2:2019

Keel: en

Alusdokumendid: ISO 81060-2:2018/DAMd 2; EN ISO 81060-2:2019/prA2

Muudab dokumenti: EVS-EN ISO 81060-2:2019

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 455-5

Medical gloves for single use - Part 5: Extractable chemical residues

This document provides requirements for label information about chemicals used in product manufacture, particularly potentially allergenic substances employed and remaining in medical gloves. It also provides information on extraction media, methods of extraction and quantitative assay of residual chemicals. This document does not provide information on the allergenic potential or safety to the user of any product. This is expected to be assessed in the light of all available toxicity and biocompatibility data on the products concerned as part of a risk management process.

Keel: en

Alusdokumendid: prEN 455-5

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 11137-1

Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices (ISO/DIS 11137-1:2023)

1.1 This document specifies requirements for the development, validation and routine control of a radiation sterilization process for medical devices. NOTE Although the scope of this document is limited to medical devices, it specifies requirements and provides guidance that may be applicable to other products and equipment. This document covers radiation processes employing irradiators using: a) the radionuclide ⁶⁰Co or ¹³⁷Cs; b) a beam from an electron generator; or c) a beam from an X-ray generator.
1.2 This document does not specify requirements for development, validation and routine control of a process for inactivating viruses or the causative agents of spongiform encephalopathies such as scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Specific recommendations have been produced in particular countries for the processing of materials potentially contaminated with these agents. NOTE See, for example, ISO 22442-1, ISO 22442-2 and ISO 22442-3.
1.2.1 This document does not detail specified requirements for designating a medical device as sterile. NOTE Attention is drawn to regional and national requirements for designating medical devices as "sterile." See, for example, EN 556-1 or ANSI/AAMI ST67.
1.2.2 This document does not specify a quality management system for the control of all stages of production of medical devices. NOTE It is not a requirement of this document to have a complete quality management system during manufacture, but the elements of a quality management system that are the minimum necessary to control the sterilization process are normatively referenced at appropriate places in the text (see, in particular, Clause 4). Attention is drawn to the standards for quality management systems

(see ISO 13485) that control all stages of production of medical devices, including the sterilization process. Regional and national regulations for the provision of medical devices can require implementation of a complete quality management system and the assessment of that system by a third party. 1.2.3 This document does not require that biological indicators be used for validation or monitoring of radiation sterilization, nor does it require that a pharmacopoeial test for sterility be carried out for product release. 1.2.4 This document does not specify requirements for occupational safety associated with the design and operation of irradiation facilities. NOTE Attention is also drawn to the existence, in some countries, of regulations laying down safety requirements for occupational safety related to radiation. 1.2.5 This document does not specify requirements for the sterilization of used or reprocessed devices.

Keel: en

Alusdokumendid: ISO/DIS 11137-1; prEN ISO 11137-1

Asendab dokumenti: EVS-EN ISO 11137-1:2015

Asendab dokumenti: EVS-EN ISO 11137-1:2015/A2:2019

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 7921

Ophthalmic optics and instruments - Near reading charts (ISO/DIS 7921:2023)

This International Standard applies to displays of high-contrast text that are designed for general near vision assessment. It does not apply to measurement systems designed for specialized testing of near visual acuity, e.g., low vision or low contrast charts or those intended for transillumination, or electronically generated systems.

Keel: en

Alusdokumendid: ISO/DIS 7921; prEN ISO 7921

Arvamusküsitluse lõppkuupäev: 30.06.2023

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 15004-11

Fixed firefighting systems - Gas extinguishing systems - Part 11: Physical properties and systems design of gas extinguishing systems for Halocarbon Blend 55 extinguishant (ISO 14520-17:2022, modified)

This document provides specific requirements for gaseous fire-extinguishing systems with respect to the Halocarbon Blend 55 extinguishant. It includes details of physical properties, specification, usage and safety aspects. It also covers systems operating at nominal pressures of 25 bar, 35 bar, and 42 bar and 50 bar, superpressurized with nitrogen. This document does not preclude the use of other systems. NOTE 1 bar = 0,1 MPa = 105 Pa; 1 MPa = 1 N/mm².

Keel: en

Alusdokumendid: prEN 15004-11

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17450-2

Fixed firefighting systems - Water mist systems - Part 2: Product characteristics and test methods for nozzles

This document specifies product characteristics and test methods of open nozzles and automatic nozzles for use in water mist systems.

Keel: en

Alusdokumendid: prEN 17450-2

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 11161

Safety of machinery - Integration of machinery into a system - Basic requirements (ISO/DIS 11161:2023)

This document specifies the safety requirements for the integration of machinery into a system. It gives requirements and recommendations for inherently safe design, safeguarding and information for the use of an IMS. This document is not intended to cover safety aspects of individual machines and equipment that can be covered by standards specific to those machines and equipment. Therefore, it deals only with those safety aspects that are important for the safety-relevant interconnection of the machines and components. Where component machines of an integrated machinery system are operated separately or individually, the safety requirements of the relevant safety standards for these machines and equipment apply. This document is also applicable when a modification of an existing IMS results in a new configuration, function, capability or location.

Keel: en

Alusdokumendid: ISO/DIS 11161; prEN ISO 11161

Asendab dokumenti: EVS-EN ISO 11161:2007

Asendab dokumenti: EVS-EN ISO 11161:2007/A1:2010

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 24212

Remediation techniques applied at contaminated sites (ISO/DIS 24212:2023)

This document provides an overview of principles and characteristics on most commonly used remediation techniques. In particular, it provides: — standard terminology, principles, scope, and key aspects on design/dimensioning and monitoring for each remediation technique, but also an overview of the known advantages/limitations of each technique; — informative advice on the remediation option appraisal stage, i.e. how to assess and choose the most relevant single or combined remediation technique taking into account the type of pollutant as well as the local legal, policy, socio-economic and environmental context. The scope of this document is restricted to the remediation of contaminated land — that is demonstrably breaking the source-pathway-receptor linkages — in a manner that has been shown to be sustainable on a site-specific basis in a specific legal context.

Keel: en

Alusdokumendid: ISO/DIS 24212; prEN ISO 24212

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 374-6

Protective gloves against dangerous chemicals and micro-organisms - Part 6: Protective gloves for hairdressers (ISO/DIS 374-6:2023)

This document specifies the requirements for protective gloves to protect the hairdressers, especially the risk against micro-organisms and dangerous chemicals, and defines terms to be used.

Keel: en

Alusdokumendid: ISO/DIS 374-6; prEN ISO 374-6

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 45001

Occupational health and safety management systems - Requirements with guidance for use (ISO 45001:2018)

This document specifies requirements for an occupational health and safety (OH&S) management system, and gives guidance for its use, to enable organizations to provide safe and healthy workplaces by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance. This document is applicable to any organization that wishes to establish, implement and maintain an OH&S management system to improve occupational health and safety, eliminate hazards and minimize OH&S risks (including system deficiencies), take advantage of OH&S opportunities, and address OH&S management system nonconformities associated with its activities. This document helps an organization to achieve the intended outcomes of its OH&S management system. Consistent with the organization's OH&S policy, the intended outcomes of an OH&S management system include: a) continual improvement of OH&S performance; b) fulfilment of legal requirements and other requirements; c) achievement of OH&S objectives. This document is applicable to any organization regardless of its size, type and activities. It is applicable to the OH&S risks under the organization's control, taking into account factors such as the context in which the organization operates and the needs and expectations of its workers and other interested parties. This document does not state specific criteria for OH&S performance, nor is it prescriptive about the design of an OH&S management system. This document enables an organization, through its OH&S management system, to integrate other aspects of health and safety, such as worker wellness/wellbeing. This document does not address issues such as product safety, property damage or environmental impacts, beyond the risks to workers and other relevant interested parties. This document can be used in whole or in part to systematically improve occupational health and safety management. However, claims of conformity to this document are not acceptable unless all its requirements are incorporated into an organization's OH&S management system and fulfilled without exclusion.

Keel: en

Alusdokumendid: prEN ISO 45001; ISO 45001:2018

Asendab dokumenti: EVS-ISO 45001:2018

Arvamusküsitluse lõppkuupäev: 30.06.2023

17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED

prEN IEC 60060-2:2023

High-voltage test techniques - Part 2: Measuring systems

This part of IEC 60060 is applicable to complete measuring systems, and to their components, used for the measurement of high voltages during laboratory and factory tests with direct voltage, alternating voltage and lightning and switching impulse voltages as specified in IEC 60060-1. For measurements during on-site tests see IEC 60060-3. The limits on uncertainties of measurements stated in this standard apply to test levels stated in IEC 60071-1. The principles of this standard apply also to higher levels but the uncertainty can be greater. This standard: • defines the terms used; • describes methods to estimate the uncertainties of high-voltage measurements; • states the requirements which the measuring systems shall meet; • describes the methods for approving a measuring system and checking its components; • describes the procedures by which the user shall show that a measuring system meets the requirements of this standard, including the limits set for the uncertainty of measurement.

Keel: en

Alusdokumendid: 42/416/CDV; prEN IEC 60060-2:2023

Asendab dokumenti: EVS-EN 60060-2:2011

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 16032

Acoustics - Measurement of sound pressure level from service equipment or activities in buildings - Engineering method (ISO/DIS 16032:2023)

ISO 16032:2004 specifies methods for measuring the sound-pressure level produced by service equipment attached to or installed in buildings. It specifically covers measurements on sanitary installations, mechanical ventilation, heating and cooling service equipment, lifts, rubbish chutes, boilers, blowers, pumps and other auxiliary service equipment, and motor-driven car park doors, but can also be applied to other equipment attached to or installed in buildings. The methods are suitable for rooms with volumes of approximately 300 cubic metres or less in e.g. dwellings, hotels, schools, offices and hospitals. The standard is not in general intended for measurements in large auditoria such as concert halls. However, the operating conditions and operating cycles in Annex B can be used in such cases. The service equipment sound-pressure level is determined as the maximum A-weighted and optionally C-weighted sound-pressure level occurring during a specified operation cycle of the service equipment under test, or as the equivalent continuous sound-pressure level determined with a specified integration time. A-weighted and C-weighted values are calculated from octave-band measurements.

Keel: en

Alusdokumendid: ISO/DIS 16032; prEN ISO 16032

Asendab dokumenti: EVS-EN ISO 16032:2004

Arvamusküsitluse lõppkuupäev: 30.06.2023

19 KATSETAMINE

prEN IEC 60060-2:2023

High-voltage test techniques - Part 2: Measuring systems

This part of IEC 60060 is applicable to complete measuring systems, and to their components, used for the measurement of high voltages during laboratory and factory tests with direct voltage, alternating voltage and lightning and switching impulse voltages as specified in IEC 60060-1. For measurements during on-site tests see IEC 60060-3. The limits on uncertainties of measurements stated in this standard apply to test levels stated in IEC 60071-1. The principles of this standard apply also to higher levels but the uncertainty can be greater. This standard: • defines the terms used; • describes methods to estimate the uncertainties of high-voltage measurements; • states the requirements which the measuring systems shall meet; • describes the methods for approving a measuring system and checking its components; • describes the procedures by which the user shall show that a measuring system meets the requirements of this standard, including the limits set for the uncertainty of measurement.

Keel: en

Alusdokumendid: 42/416/CDV; prEN IEC 60060-2:2023

Asendab dokumenti: EVS-EN 60060-2:2011

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 18563-3

Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 3: Complete systems (ISO/DIS 18563-3:2023)

ISO 18563-3:2015 addresses ultrasonic test systems implementing linear phased array probes, in contact (with or without wedge) or in immersion, with centre frequencies in the range of 0,5 MHz?10 MHz. It provides methods and acceptance criteria for verifying the performance of combined equipment (i.e. instrument, probe and cables connected). The methods described are suitable for users working under on-site or shop floor conditions. Its purpose is for the verification of the correct operation of the system prior to testing, and also the characterization of sound beams or verification of the absence of degradation of the system. The methods are not intended to prove the suitability of the system for particular applications, but are intended to prove the capability of the combined equipment to generate ultrasonic beams according to the settings used. The calibration of the system for a specific application is outside of the scope of part of ISO 18563 and it is intended that it be covered by the test procedure. ISO 18563-3:2015 does not address the following: - encircling arrays; - series of apertures having a different number of elements; - different settings for transmitting and receiving (e.g. active aperture, number of active elements, delays); - techniques using post-processing of the signals of individual elements in a more complex manner than a simple delay law (e.g. full matrix capture).

Keel: en

Alusdokumendid: ISO/DIS 18563-3; prEN ISO 18563-3

Asendab dokumenti: EVS-EN ISO 18563-3:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 12007-5

Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 5: Service lines - Specific functional requirements

This document describes the specific functional requirements for the transportation of gases (gaseous energy carriers) through service lines in addition to the general functional requirements of EN 12007-1 for: a) a maximum operating pressure (MOP) up to and including 16 bar; b) an operating temperature between -20 °C and +40 °C; c) non-corrosive gases including natural gas, biomethane gas, hydrogen gas and mixtures of these gases where technical evaluation has ensured that operating conditions or constituents or properties of the gas do not affect the safe operation and maintenance of the service line. It applies to their design, construction, commissioning, decommissioning, operation, maintenance, extension and other associated works including safety and environmental aspects. The service line is the physical asset comprising of pipework from the gas main branch saddle or top

tee to the outlet of the distribution system operator's nominated point(s) of delivery (for example: isolation valve, regulator, meter connection or combination of regulator and isolation valve). Specific functional requirements for: - polyethylene pipelines are given in EN 12007-2; - steel pipelines are given in EN 12007-3; - polyamide (PA-U) pipelines are given in CEN/TS 12007-6; - pipework for buildings are given in EN 1775; - pressure regulating installations are given in EN 12279 or EN 12186; - pressure testing, commissioning and decommissioning are given in EN 12327; - safety management system (SMS) and pipeline integrity management system (PIMS) are given in EN 17649 [10]. For guidance on methodology for methane emissions quantification for gas transmission, distribution and storage systems and LNG terminals, see CEN/TS 17874 [7]. This document represents the recommendations at the time of its preparation. It does not apply retrospectively to installations before the publication date unless specifically stated. This document specifies common basic principles for gas infrastructure. Users of this document are expected to be aware that there can exist more detailed national standards and/or codes of practice in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. European Legislation/regulations and national legislation is obligatory for all member states. In the event of terms of additional requirements in legislation/regulation than in this document, CEN/TR 13737 (all parts) illustrates these terms. CEN/TR 13737 gives: - description of all legislations/regulations applicable in a member state; - if appropriate, more restrictive national requirements; - a national contact point for the latest information.

Keel: en

Alusdokumendid: prEN 12007-5

Asendab dokumenti: EVS-EN 12007-5:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17970

Ductile iron pipes - Push-in joints for ductile iron pipe systems - Resistance against root intrusion - Requirements and test methods

This document is applicable to diffusion-tight pipes, accessories and fittings in ductile cast iron to EN 598 and to cast iron pipe systems. The document gives requirements on the contact pressure based on a risk assessment and gives a test method that simulates the penetration of a root tip into the sealing gap.

Keel: en

Alusdokumendid: prEN 17970

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 60335-2-40:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, õhukonditsioneeridele ja õhukuivatitele Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

This European Standard deals with the safety of electric heat pumps, sanitary hot water heat pumps and air conditioners, incorporating motor-compressors as well as hydronic fan coils units, dehumidifiers (with or without motor-compressors), thermoelectric heat pumps and partial units. Their maximum rated voltage being not more than 300 V for single phase appliances and 600 V for multi-phase appliances. Appliances not intended for normal household use but which nevertheless can be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.

Keel: en

Alusdokumendid: prEN IEC 60335-2-40:2023; IEC 60335-2-40:2022

Asendab dokumenti: prEN IEC 60335-2-40

Asendab dokumenti: prEN IEC 60335-2-40/prA11:2019

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 60335-2-40:2023/prAA:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, õhukonditsioneeridele ja õhukuivatitele Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

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Keel: en

Alusdokumendid: prEN IEC 60335-2-40:2023/prAA:2023

Muudab dokumenti: prEN IEC 60335-2-40:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 63082-2:2023

Intelligent Device Management - Part 2: Normative Requirements and Recommendations

This document specifies requirements and recommendations for establishing and maintaining intelligent device management (IDM) as outlined in IEC 63082-1 in an enterprise having one or more facilities. The following topics are included in the scope of this document: – optimizing functionality and performance of intelligent devices for their use, – managing information related to IDM, – integrating intelligent devices into industrial automation and control systems (IACS) in facilities, – exchanging information between stakeholders that achieve and sustain IDM, – coordinating multiple asynchronous IDM life cycles. The following topics are outside the scope of this document: – defining and determining the function and performance of intelligent devices, – defining and specifying technologies and tools that provide, preserve and manage information related to IDM such as FDT, FDI, portable on-line and off-line tools, configuration tools, historians, and maintenance planning tools, – defining and specifying technologies and tools that are used to design intelligent devices, – defining and specifying communication network architecture, communication technologies, cybersecurity requirements, and network management requirements.

Keel: en

Alusdokumendid: 65E/990/CDV; prEN IEC 63082-2:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 11161

Safety of machinery - Integration of machinery into a system - Basic requirements (ISO/DIS 11161:2023)

This document specifies the safety requirements for the integration of machinery into a system. It gives requirements and recommendations for inherently safe design, safeguarding and information for the use of an IMS. This document is not intended to cover safety aspects of individual machines and equipment that can be covered by standards specific to those machines and equipment. Therefore, it deals only with those safety aspects that are important for the safety-relevant interconnection of the machines and components. Where component machines of an integrated machinery system are operated separately or individually, the safety requirements of the relevant safety standards for these machines and equipment apply. This document is also applicable when a modification of an existing IMS results in a new configuration, function, capability or location.

Keel: en

Alusdokumendid: ISO/DIS 11161; prEN ISO 11161

Asendab dokumenti: EVS-EN ISO 11161:2007

Asendab dokumenti: EVS-EN ISO 11161:2007/A1:2010

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 9717

Metallic and other inorganic coatings - Phosphate conversion coating of metals (ISO/DIS 9717:2023)

ISO 9717:2017 specifies a process for the confirmation of requirements for phosphate coatings which are usually destined for application on ferrous materials, zinc, cadmium and their alloys (see Annex B).

Keel: en

Alusdokumendid: ISO/DIS 9717; prEN ISO 9717

Asendab dokumenti: EVS-EN ISO 9717:2017

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO/ASTM 52943-2

Additive manufacturing for aerospace - Process characteristics and performance - Part 2: Directed energy deposition using wire and arc (ISO/ASTM DIS 52943-2:2023)

This document specifies requirements for the additive manufacturing of metallic parts with directed energy deposition in the aerospace industry. These can be additively generated parts or additively generated additions to existing parts. Within the application scope of this document, wire is used as feedstock, and arc processes (gas-shielded metal arc processes, Tungsten inert gas processes, plasma arc processes) are the main energy source. This document is to be used in conjunction with the engineering documents, if required by the engineering authority.

Keel: en

Alusdokumendid: ISO/ASTM DIS 52943-2; prEN ISO/ASTM 52943-2

Arvamusküsitluse lõppkuupäev: 30.06.2023

EN 62920:2017/prAB

Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment

This standard specifies electromagnetic compatibility (EMC) requirements for DC to AC power conversion equipment (PCE) for use in photovoltaic (PV) power systems. The PCE covered by this document can be grid-interactive or stand-alone. It can be supplied by single or multiple photovoltaic modules grouped in various array configurations, and can be intended for use in

conjunction with batteries or other forms of energy storage. This document covers not only PCE connected to a public low voltage AC mains network or other low voltage AC mains installation, but also PCE connected to a medium or high voltage AC network with or without step-down power transformers.

Keel: en

Alusdokumendid: EN 62920:2017/prAB

Muudab dokumenti: EVS-EN 62920:2017

Muudab dokumenti: EVS-EN 62920:2017/A1:2021

Muudab dokumenti: EVS-EN 62920:2017+A11+A1:2021

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO/IEC 80079-41

Explosive atmospheres - Part 41: Reciprocating internal combustion engines (ISO/IEC DIS 80079-41:2023)

This part of ISO/IEC 80079 covers the technical requirements necessary to avoid or minimize the significant hazards listed in Clause 4, which could occur during normal operation, maintenance or foreseeable malfunction of reciprocating internal combustion engines intended for use in explosive atmospheres including - Group I EPL Mb for use in underground workings susceptible to firedamp and/or combustible dust, - Group II EPL Gb and Gc for use in potentially explosive atmospheres of flammable gas and vapour and - Group III EPL Db and Dc for use in potentially explosive atmospheres of combustible dust. This part of ISO/IEC 80079 includes those tests of the engine and its ancillary devices that are required to verify compliance. This part of ISO/IEC 80079 applies to reciprocating internal combustion engines with compression ignition and spark ignition. This part of ISO/IEC 80079 does not define requirements relating to the driven machinery and equipment. This part of ISO/IEC 80079 does not apply - to flammable gas and vapour atmospheres containing carbon disulphide (CS₂) and/or ethylene oxide (C₂H₄O) due to special properties of these gases; - to explosive mixtures of vapours and gases, which tend to self-decompose (e.g. acetylene) or which are chemically unstable. This International standard does not apply to engines used in areas for the processing manufacture or storage of explosives; - to gasoline engines and all other liquid injection spark ignited engines. This part of ISO/IEC 80079 solely deals with explosion protection requirements. Requirements on emissions are not covered by this standard. General safety requirements are not included in this International Standard. NOTE 1 General safety requirements i.e. those common to internal combustion engines, are covered for the EU in EN 1679-1:1998+A1:2011. This part of ISO/IEC 80079 does not specify requirements for safety, other than those directly related to the risk of ignition which may then lead to an explosion. The standard atmospheric conditions (relating to the explosion characteristics of the atmosphere) under which it may be assumed that engine can be operated are: - temperature -20 °C to +40 °C; - pressure 80 kPa (0,8 bar) to 110 kPa (1,1 bar); and - air with normal oxygen content, typically 21 % v/v. Such atmospheres can also exist inside the engine. In addition, the external atmosphere can be drawn inside the engine by natural breathing produced as a result of fluctuations in the engine's internal operating pressure, and/or temperature. NOTE 2 It is considered that -20 °C to +40 °C is appropriate for most engines. However for equipment designed for outside this range IEC/TS 60079-43 should be considered. NOTE 3 The requirements of this standard can also be helpful for the design, construction, testing and marking of engine intended for use in atmospheres outside the validity range stated above. In this case however, the ignition hazard assessment, ignition protection provided, additional testing (if necessary), manufacturer's technical documentation and instructions to the user, should clearly demonstrate and indicate the engine's suitability for the conditions it may encounter. It should also be recognized that changes in temperature and pressure can have a significant influence on characteristics of the explosive atmosphere, such as ignitability (see Annex I). NOTE 4 Reciprocating internal combustion engines are not considered as pressure vessels.

Keel: en

Alusdokumendid: ISO/IEC DIS 80079-41; prEN ISO/IEC 80079-41

Arvamusküsitluse lõppkuupäev: 30.06.2023

29 ELEKTROTEHNIKA

EN IEC 60079-15:2019/prAA

Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

Creating an amendment to list the EN IEC 60079-15:2019 in OJEU by submitting European elements (Annex ZZ and Annex ZA)

Keel: en

Alusdokumendid: EN IEC 60079-15:2019/prAA

Muudab dokumenti: EVS-EN IEC 60079-15:2019

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 60034-30-3:2023

Rotating electrical machines - Part 30-3: Efficiency classes of high voltage AC motors (IE code)

This part of IEC 60034 specifies efficiency classes for fixed-speed three-phase high-voltage cage induction motors in accordance with IEC 60034-1 that • have a rated voltage exceeding 1000 V, but not exceeding 11 kV; • have a rated power from 200 kW to 2000 kW; NOTE 1 Motors with rated power above 2000 kW are produced in such small numbers and are designed and produced with a focus on achieving an optimum efficiency anyway even though fulfilling increasingly special requirements that assigning efficiency classes would be an additional effort without the result of any countable energy saving. • have two, four and six poles; • are line-operated single-speed; • are intended for direct-on-line starting at rated or at reduced voltage and rated frequency; • are constructed to any degree of protection; • are designed for cooling methods IC411, IC511, IC611, IC01 or IC81W; • are capable of continuous operation at their rated operating point (torque/power, speed) with a temperature rise within the specified insulation temperature class; NOTE 2 Most motors covered by this standard are rated for duty type S1 (continuous duty). However, some motors that are rated for other duty cycles are still capable of continuous operation at their rated power and these motors are also covered. • are rated for any ambient temperature or coolant temperature within the range of - 20 °C to + 60 °C; NOTE 3 Motors

rated for temperatures outside the range – 20 °C and + 60 °C are considered to be of special construction and are consequently excluded from this standard. • are rated for an operating altitude up to 2 000 m above sea level. NOTE 4 The rated efficiency and the efficiency class are based on a rating for altitudes up to 1 000 m above sea level. • have a locked-rotor current I_L at stand-still and supply with rated voltage and frequency before application of any IEC or agreed tolerance in the range $I_L / I_N \geq 4,5$, • are designed for a customer load torque during starting not exceeding an envelope with a minimum of 25% of the rated torque at low speed and a square shape $T \sim n^2$ up to a maximum load torque at full speed of 60% of the rated torque in case of 2pole motors or 100% of the rated torque in case of 4pole or 6pole motors, respectively, (see Figure 1), After starting is completed, the load torque of 2pole motors is increased to 100 % of the rated torque. • have to accelerate an external moment of inertia as defined by the customer requirements not exceeding the values given in Table 1 considering all start up conditions defined in this standard for not more than three consecutive starts from cold condition or two starts from hot condition, respectively, • are designed for a minimum locked-rotor steady state supply voltage of at least 80% of the rated voltage during starting.

Keel: en

Alusdokumendid: 2/2131/CDV; prEN 60034-30-3:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 60079-14:2023

Electrical installation design, selection and installation of equipment, including initial inspection

This part of the IEC 60079 series contains the specific requirements for the design of electrical systems, selection, installation and the required initial inspection of electrical installations of Ex Equipment including requirements for documentation and personnel competency in, or associated with, explosive atmospheres. These requirements are in addition to the requirements for installations in non-hazardous areas. NOTE 1 For voltages up to 1 000 V a.c. or 1 500 V d.c. requirements of this document are based on installation requirements in the IEC 60364 series and for higher voltages in the IEC 61936 series, but other relevant national requirements can apply. For offshore, the IEC 61892 series is applicable. NOTE 2 Maximum voltages are limited by specific Types of Protection according to other parts of the IEC 60079 series and will be given in the documentation for the Ex Equipment. This document applies to all electrical Ex Equipment including fixed, transportable, portable and personal, and installations, permanent or temporary. NOTE 3 Guidance on portable electronic equipment can be found in IEC TS 60079-48. This document does not apply to: • electrical installations in mines susceptible to firedamp; NOTE 3 This document might apply to electrical installations in mines where explosive gas atmospheres other than firedamp can be formed and to electrical installations in the surface installation of mines. • inherently explosive situations and dust from explosives or pyrophoric substances (for example explosives manufacturing and processing); • rooms used for medical purposes; • electrical installations in areas where the hazard is due to flammable mist; and • installation of non-electrical Ex Equipment (unless being part of an equipment assembly according IEC TS 60079-46). NOTE 4 Additional guidance on the requirements for hazards due to hybrid mixtures of dust or flyings and flammable gas or vapour is provided in Annex H. NOTE 5 The use of portable tools having an Ex Equipment certificate might introduce an ignition source which is beyond the scope of this document, for example: a drill which could create a high temperature at the work piece. No account is taken in this document of the toxic hazards that are associated with flammable gases, liquids and dusts in concentrations that are usually very much less than the lower flammable limit. In locations where personnel could be exposed to potentially toxic concentrations of flammable material, appropriate precautions should be taken. Such precautions are outside the scope of this document.

Keel: en

Alusdokumendid: 31J/335/CDV; prEN IEC 60079-14:2023

Asendab dokumenti: EVS-EN 60079-14:2014

Asendab dokumenti: EVS-EN 60079-14:2014/AC:2016

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 61427-2:2023

Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 2: On-grid applications

This document relates to secondary batteries used in on-grid Electrical Energy Storage (EES) applications and provides the associated methods of test for the verification of their endurance, properties and electrical performance in such applications. The test methods are essentially battery chemistry neutral, i.e. applicable to all secondary battery types. On-grid applications are characterized by the fact that batteries are connected, via power conversion devices, to a regional or nation- or continent-wide electricity grid and act as instantaneous energy sources and sinks to stabilize the grids performance when randomly major amounts of electrical energy from renewable energy sources are fed into it. Related power conversion and interface equipment is not covered by this part of IEC 61427.

Keel: en

Alusdokumendid: 21/1166/CDV; prEN IEC 61427-2:2023

Asendab dokumenti: EVS-EN 61427-2:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 61558-2-5:2023

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-5: Particular requirements and test for transformer for shavers, power supply units for shavers and shaver supply units

Replacement. This part of IEC 61558 deals with the safety of shaver transformers, power supply units incorporating a shaver transformer, and shaver supply units. Shaver 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 shaver transformers and power supply units incorporating shaver transformers and shaver supply units. 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 is applicable to stationary, single-phase, 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 250 V AC and the rated supply frequency and the internal operating frequencies do not exceed 500 Hz. The rated output is not less than 20 VA and does not exceed 50 VA. The no-load output voltage does not exceed 275 V AC and the rated output voltage does not exceed 250 V AC. This document is not applicable to external circuits and their components intended to be connected to the input and output terminals or socket-outlets of the transformers. NOTE 3 Transformers covered by this document are only used in applications where double or reinforced insulation between circuits is required by the installation rules for bathrooms and similar locations, or by the appliance specifications. NOTE 4 Transformers covered by this document can be flush or surface mounted or incorporated in luminaires, mirrors, and other equipment containing one or more socket-outlet(s).

Keel: en

Alusdokumendid: prEN IEC 61558-2-5:2023; IEC 61558-2-5 ED3 (96/576/CDV)

Asendab dokumenti: EVS-EN 61558-2-5:2010

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 61820-2:2023

Electrical installations for lighting and beaconing of aerodromes - Part 1-2: Particular requirements for series circuits

This part describes requirements based on the IEC 61820-1, complemented with series circuit specific topics.

Keel: en

Alusdokumendid: 97/252/CDV; prEN IEC 61820-2:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 62024-2:2023

High frequency inductive components - Electrical characteristics and measuring methods - Part 2: Rated current of inductors for DC-to-DC converters

This part of IEC 62024 specifies the measuring methods of the rated direct current limits for small inductors as defined below. Standardized measuring methods for the determination of ratings enable users to accurately compare the current ratings given in various manufacturers' data books. This document is applicable to leaded and surface mount inductors with dimensions according to IEC 62025-1 and generally with rated current less than 125 A, although inductors with rated current greater than 125 A are available that fall within the dimension restrictions of this document (no larger than a 625 mm² 137 footprint). These inductors are typically used in DC-to-DC converters built on PCBs, for electronic and telecommunication equipment, and small size switching power supply units. The measuring methods are defined by the saturation and temperature rise limitations induced solely by direct current.

Keel: en

Alusdokumendid: 51/1435/CDV; prEN IEC 62024-2:2023

Asendab dokumenti: EVS-EN IEC 62024-2:2020

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO/IEC 80079-41

Explosive atmospheres - Part 41: Reciprocating internal combustion engines (ISO/IEC DIS 80079-41:2023)

This part of ISO/IEC 80079 covers the technical requirements necessary to avoid or minimize the significant hazards listed in Clause 4, which could occur during normal operation, maintenance or foreseeable malfunction of reciprocating internal combustion engines intended for use in explosive atmospheres including - Group I EPL Mb for use in underground workings susceptible to firedamp and/or combustible dust, - Group II EPL Gb and Gc for use in potentially explosive atmospheres of flammable gas and vapour and - Group III EPL Db and Dc for use in potentially explosive atmospheres of combustible dust. This part of ISO/IEC 80079 includes those tests of the engine and its ancillary devices that are required to verify compliance. This part of ISO/IEC 80079 applies to reciprocating internal combustion engines with compression ignition and spark ignition. This part of ISO/IEC 80079 does not define requirements relating to the driven machinery and equipment. This part of ISO/IEC 80079 does not apply - to flammable gas and vapour atmospheres containing carbon disulphide (CS₂) and/or ethylene oxide (C₂H₄O) due to special properties of these gases; - to explosive mixtures of vapours and gases, which tend to self-decompose (e.g. acetylene) or which are chemically unstable. This International standard does not apply to engines used in areas for the processing manufacture or storage of explosives; - to gasoline engines and all other liquid injection spark ignited engines. This part of ISO/IEC 80079 solely deals with explosion protection requirements. Requirements on emissions are not covered by this standard. General safety requirements are not included in this International Standard. NOTE 1 General safety requirements i.e. those common to internal combustion engines, are covered for the EU in EN 1679-1:1998+A1:2011. This part of ISO/IEC 80079 does not specify requirements for safety, other than those directly related to the risk of ignition which may then lead to an explosion. The standard atmospheric conditions (relating to the explosion characteristics of the atmosphere) under which it may be assumed that engine can be operated are: - temperature -20 °C to +40 °C; - pressure 80 kPa (0,8 bar) to 110 kPa (1,1 bar); and - air with normal oxygen content, typically 21 % v/v. Such atmospheres can also exist inside the engine. In addition, the external atmosphere can be drawn inside the engine by natural breathing produced as a result of fluctuations in the engine's internal operating pressure, and/or temperature. NOTE 2 It is considered that -20 °C to +40 °C is appropriate for most engines. However for equipment designed for outside this range IEC/TS 60079-43 should be considered. NOTE 3 The requirements of this standard can also be helpful for the design, construction, testing and marking of engine intended for use in atmospheres outside the validity range stated above. In this case however, the ignition hazard assessment, ignition protection provided, additional testing (if necessary), manufacturer's technical documentation and instructions to the user, should clearly demonstrate and indicate the engine's suitability for the conditions it may encounter. It should also be recognized that changes in temperature and pressure can have a significant

influence on characteristics of the explosive atmosphere, such as ignitability (see Annex I). NOTE 4 Reciprocating internal combustion engines are not considered as pressure vessels.

Keel: en

Alusdokumendid: ISO/IEC DIS 80079-41; prEN ISO/IEC 80079-41

Arvamusküsitluse lõppkuupäev: 30.06.2023

31 ELEKTROONIKA

prEN IEC 60939-3:2023

Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate

This specification covers passive filters used to attenuate unwanted radio-frequency signals (such as noise or interference) generated from electromagnetic sources. Both single and multi-channel filters within one enclosure or which are built on a printed circuit board forming a compact entity are included within the scope of this specification. Filters constructed of capacitive elements where the inductance is inherent in the construction of the filter are within the scope of this specification. Similarly, filters constructed of inductive elements where the capacitance is inherent in the construction of the filter are also within the scope of this specification. It is up to the manufacturer to state whether a given component is to be designed as a capacitor, an inductor or a filter. Filters can include also other components like resistors and/or varistors or similar components. This specification applies to passive filter units for electromagnetic interference suppression for which safety tests are appropriate. This implies that filters specified according to this specification will either be connected to mains supplies, when compliance with the mandatory tests of Table B.1 is necessary, or used in other circuit positions where the equipment specification prescribes that some or all of these safety tests are required. This specification applies to passive filter units, which will be connected to an AC mains or other supply (DC or AC) with a nominal voltage not exceeding 1 000 V AC, with a nominal frequency not exceeding 400 Hz, or 1 500 V DC NOTE For AC use, IEC 60384-14 applies to capacitors which will be connected to AC mains with a nominal frequency not exceeding 100 Hz. This specification covers appliance filters (US) but does not cover facility filters, cord-connected filters or direct plug-in filters. These other filters will be covered by another sectional specification.

Keel: en

Alusdokumendid: 40/3034/CDV; prEN IEC 60939-3:2023

Asendab dokumenti: EVS-EN 60939-3:2015

Asendab dokumenti: EVS-EN 60939-3:2015/AC:2016

Asendab dokumenti: EVS-EN 60939-3:2015/AC:2018

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 14880-2

Optics and photonics - Microlens arrays - Part 2: Test methods for wavefront aberrations (ISO/DIS 14880-2:2023)

ISO 14880-2:2006 specifies methods for testing wavefront aberrations for microlenses within microlens arrays. It is applicable to microlens arrays with very small lenses formed inside or on one or more surfaces of a common substrate.

Keel: en

Alusdokumendid: ISO/DIS 14880-2; prEN ISO 14880-2

Asendab dokumenti: EVS-EN ISO 14880-2:2007

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 14880-3

Optics and photonics - Microlens arrays - Part 3: Test methods for optical properties other than wavefront aberrations (ISO/DIS 14880-3:2023)

ISO 14880-3:2006 specifies methods for testing optical properties, other than wavefront aberrations, of microlenses in microlens arrays. It is applicable to microlens arrays with very small lenses formed on one or more surfaces of a common substrate and to graded index microlenses.

Keel: en

Alusdokumendid: ISO/DIS 14880-3; prEN ISO 14880-3

Asendab dokumenti: EVS-EN ISO 14880-3:2006

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 14880-4

Optics and photonics - Microlens arrays - Part 4: Test methods for geometrical properties (ISO/DIS 14880-4:2023)

ISO 14880-4:2006 specifies methods for testing geometrical properties of microlenses in microlens arrays. It is applicable to microlens arrays with very small lenses formed on one or more surfaces of a common substrate and to graded index microlenses.

Keel: en

Alusdokumendid: ISO/DIS 14880-4; prEN ISO 14880-4

Asendab dokumenti: EVS-EN ISO 14880-4:2006

Arvamusküsitluse lõppkuupäev: 30.06.2023

33 SIDETEHNIKA

EN IEC 55015:2019/prA1:2023

Amendment 1 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

Amendment to EN IEC 55015:2019

Keel: en

Alusdokumendid: CIS/F/837/CDV; EN IEC 55015:2019/prA1:2023

Muudab dokumenti: EVS-EN IEC 55015:2019

Muudab dokumenti: EVS-EN IEC 55015:2019+A11:2020

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 301 406-2 V3.0.1

Raadiotelefonisüsteem (DECT); Raadiospektrile juurdepääsu harmoneeritud standard; Osa 2. DECT-2020 NR

Digital Enhanced Cordless Telecommunications (DECT); Harmonised Standard for access to radio spectrum; Part 2: DECT-2020 NR

The present document specifies technical characteristics and methods of measurements for equipment employing DECT-2020 NR (New Radio) as specified in by the multi-part technical specification ETSI TS 103 636 "DECT-2020 New Radio (NR)". Table 1: Radiocommunications service frequency bands Radiocommunications service frequency bands Transmit 1 880 MHz to 1 900 MHz Receive 1 880 MHz to 1 900 MHz National regulation can allow additional frequency bands. The limits and test procedures included in the present document are applicable for DECT-2020 NR use in frequency ranges below 6 GHz. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU [i.2] is given in annex A.

Keel: en

Alusdokumendid: Draft ETSI EN 301 406-2 V3.0.1

Arvamusküsitluse lõppkuupäev: 30.06.2023

35 INFOTEHNOLOOGIA

prEN IEC 63082-2:2023

Intelligent Device Management - Part 2: Normative Requirements and Recommendations

This document specifies requirements and recommendations for establishing and maintaining intelligent device management (IDM) as outlined in IEC 63082-1 in an enterprise having one or more facilities. The following topics are included in the scope of this document: – optimizing functionality and performance of intelligent devices for their use, – managing information related to IDM, – integrating intelligent devices into industrial automation and control systems (IACS) in facilities, – exchanging information between stakeholders that achieve and sustain IDM, – coordinating multiple asynchronous IDM life cycles. The following topics are outside the scope of this document: – defining and determining the function and performance of intelligent devices, – defining and specifying technologies and tools that provide, preserve and manage information related to IDM such as FDT, FDI, portable on-line and off-line tools, configuration tools, historians, and maintenance planning tools, – defining and specifying technologies and tools that are used to design intelligent devices, – defining and specifying communication network architecture, communication technologies, cybersecurity requirements, and network management requirements.

Keel: en

Alusdokumendid: 65E/990/CDV; prEN IEC 63082-2:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 10781

Health Informatics - HL7 Electronic Health Records-System Functional Model, Release 2.1 (EHR FM) (ISO/DIS 10781:2023)

ISO 10781:2015 provides a reference list of functions that may be present in an Electronic Health Record System (EHR-S). The function list is described from a user perspective with the intent to enable consistent expression of system functionality. This EHR-S Functional Model, through the creation of Functional Profiles for care settings and realms, enables a standardized description and common understanding of functions sought or available in a given setting (e.g. intensive care, cardiology, office practice in one country or primary care in another country).

Keel: en

Alusdokumendid: ISO/DIS 10781; prEN ISO 10781

Asendab dokumenti: EVS-EN ISO 10781:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 22014

Library objects for architecture, engineering, construction, and use (ISO/DIS 22014:2023)

Recommendations for defining format and content for construction library objects to support project briefing, design, tendering, construction, and management of built assets. It is intended for all professionals and service providers using generic and product specific data, supporting then development of information throughout the process. To develop an International Standard giving

principles and definitions for the symbolic and simplified visual presentation of objects in connection with Building Information Modelling (BIM), and their organization into libraries.

Keel: en

Alusdokumendid: ISO/DIS 22014; prEN ISO 22014

Arvamusküsitluse lõppkuupäev: 30.06.2023

43 MAANTEESÕIDUKITE EHTUS

prEN 17963

Natural gas vehicles - LNG vehicle fuelling procedures

This document provides guidelines for safe fuelling operations of vehicles that use liquefied natural gas (LNG) as a fuel for propulsion, covering the activities and procedures to be followed for safe operation. It provides procedures applicable to different fuelling systems and technologies. NOTE The document has been based on the consideration that it is the employers' duty to protect the health, safety and welfare of the employees (as organized in Directive 89/391 EEC). As such, it is considered to be the responsibility of the driver's employer to ensure that LNG vehicle drivers are properly trained.

Keel: en

Alusdokumendid: prEN 17963

Arvamusküsitluse lõppkuupäev: 30.06.2023

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 3475-408

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 408: Fire resistance

This document specifies a method of testing the fire resistance of "fire-proof" electrical cables.

Keel: en

Alusdokumendid: prEN 3475-408

Asendab dokumenti: EVS-EN 3475-408:2005

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 3475-606

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 606: Wicking Test on Textile Braid Insulation

This document specifies the test methods to evaluate the wicking of wire and cable insulated with textile braid. It is intended to be used together with EN 3475-100.

Keel: en

Alusdokumendid: prEN 3475-606

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 3661-001

Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 20 A to 50 A - Part 001: Technical specification

This document specifies the single-pole temperature compensated circuit breakers with signal contacts, polarized or not, rated from 20 A to 50 A and used in aircraft on-board circuits. It describes specific environmental, electrical and mechanical characteristics and the stringency of tests to be applied according to test methods of EN 3841-100. These circuit breakers are intended for use in aircraft with electrical supplies in accordance with EN 2282 (all categories).

Keel: en

Alusdokumendid: prEN 3661-001

Asendab dokumenti: EVS-EN 3661-001:2006

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 4641-102

Aerospace series - Cables, optical 125 µm outside diameter cladding - Part 102: Semi-loose 62,5/125 µm GI fibre nominal 1,8 mm outside diameter - Product standard

This document specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 62,5 µm/125 µm Graded Index fibre nominal, 1,8 mm outside diameter and of semi-loose buffer construction.

Keel: en

Alusdokumendid: prEN 4641-102

Asendab dokumenti: EVS-EN 4641-102:2009

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO/ASTM 52943-2

Additive manufacturing for aerospace - Process characteristics and performance - Part 2: Directed energy deposition using wire and arc (ISO/ASTM DIS 52943-2:2023)

This document specifies requirements for the additive manufacturing of metallic parts with directed energy deposition in the aerospace industry. These can be additively generated parts or additively generated additions to existing parts. Within the application scope of this document, wire is used as feedstock, and arc processes (gas-shielded metal arc processes, Tungsten inert gas processes, plasma arc processes) are the main energy source. This document is to be used in conjunction with the engineering documents, if required by the engineering authority.

Keel: en

Alusdokumendid: ISO/ASTM DIS 52943-2; prEN ISO/ASTM 52943-2

Arvamusküsitluse lõppkuupäev: 30.06.2023

53 TÖSTE- JA TEISALDUS-SEADMED

EN 1459-4:2020/prA1

Rough-terrain trucks - Safety requirements and verification - Part 4: Additional requirements for variable-reach trucks handling freely suspended loads

This document specifies the safety requirements and means of verification in addition to EN 1459-1:2017+A1:2020 and EN 1459-2:2015+A1:2018 as applicable, for rough-terrain variable-reach trucks (hereafter referred to as trucks) designed and intended for handling suspended loads which can swing freely in one or more directions. It is applicable to trucks covered by EN 1459-1:2017+A1:2020 and EN 1459-2:2015+A1:2018. This document does not apply to: - the lifting of suspended loads which by design of the load or the lifting attachments does not allow the load to swing freely in any direction; - the handling of flexible intermediate bulk containers, as defined in ISO 21898:2004, carried under the forks of the truck or with attachments intended for this purpose; - any attachments / means used for lifting personnel; - lifting accessories; - freight container handling trucks; - mobile cranes (covered by EN 13000:2010+A1:2014). This document deals with all significant hazards, hazardous situations or hazardous events, related to trucks handling a freely suspended load, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A). This document does not deal with load limiter for attachments. This document is not applicable to rough-terrain variable-reach trucks designed and intended for handling suspended loads manufactured before the date of its publication.

Keel: en

Alusdokumendid: EN 1459-4:2020/prA1

Muudab dokumenti: EVS-EN 1459-4:2020

Arvamusküsitluse lõppkuupäev: 30.06.2023

EN 1459-5:2020/prA1

Rough-terrain trucks - Safety requirements and verification - Part 5: Attachment interface

This document specifies requirements for the truck side of the attachment interface of rough-terrain non-slewing and slewing variable reach trucks (hereafter referred to as "trucks") dealt with in EN 1459-1:2017+A1:2020, EN 1459-2:2015+A1:2018 and EN 1459-4:2020. This document covers the interface for the attachments fitted to the telescopic boom carriage or mounted on the forks when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document does not cover: - interface for interchangeable equipment designed for lifting person(s) (covered by EN 1459-3:2015); - interface for equipment for container handling (e.g. spreader); - interface for equipment permanently installed on the machine and not intended to be removed by the user. NOTE In this case, equipment becomes part of the truck. This document does not give requirements for the completed assembly of a truck fitted with an attachment. This document does not address risks to parts of the truck other than the interface with the attachment. This document is not applicable to interfaces manufactured before the date of its publication.

Keel: en

Alusdokumendid: EN 1459-5:2020/prA1

Muudab dokumenti: EVS-EN 1459-5:2020

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 1459-1

Rough-terrain trucks - Safety requirements and verification - Part 1: Variable-reach trucks

This European Standard specifies the safety requirements of self-propelled variable-reach rough-terrain trucks (hereafter referred to as trucks), intended to handle loads, equipped with a telescopic lifting means (pivoted boom), on which a load handling device (e.g. carriage and fork arms) is fitted. For the purpose of this standard, rough-terrain variable-reach trucks are designed to transport, lift and place loads and can be driven on unimproved terrain. Fork arms are considered to be part of the truck. Trucks can also be equipped with a variety of attachments (e.g. bale spikes, mowers, sweepers). This European Standard deals with all the significant hazards, hazardous situations and events relevant to the trucks when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A). This European Standard does not apply to: - slewing variable reach rough terrain trucks covered by EN 1459-2; - industrial variable reach trucks covered by EN ISO 3691-2; - lorry-mounted variable reach trucks; - variable reach trucks fitted with tilting or elevating operator position; - mobile cranes covered by EN 13000; - machines designed primarily for earth moving, even if their buckets and blades are replaced with forks (see EN 474 series); - trucks designed primarily with variable length load suspension elements (e.g. chain, ropes) from which the load may swing freely in all directions; - trucks fitted with personnel/work platforms, designed to move persons to elevated working positions; - trucks designed primarily for container handling; - trucks on tracks; - trucks with articulated chassis; - attachments (covered by prEN 1459-5). This European Standard does not address hazards linked to: - hybrid power systems; -

gas power system; - gasoline engine system; - battery power system; - tractor specific devices (e.g. PTO). This European Standard does not address hazards which may occur: a) when handling suspended loads which may swing freely (additional requirements are given in prEN 1459-4 (in preparation)); b) when using trucks on public roads; c) when operating in potentially explosive atmospheres; d) when operating underground; e) when towing trailers; f) when fitted with a personnel work platform (additional requirements are given in EN 1459-3); g) when using cruise-control. This European Standard does not provide a method of calculation for fatigue and strength of material. This document is not applicable to trucks manufactured before the date of its publication.

Keel: en

Alusdokumendid: prEN 1459-1

Asendab dokumenti: EVS-EN 1459-1:2017+A1:2020

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17969

Earth-moving machinery - Safety - Contamination protective systems

This document describes requirements, test procedures and information to be provided by the manufacturer for protective ventilation systems to provide breathing air to operator's stations on earth-moving machinery used in contaminated areas. This document gives additional requirements to the common safety requirements of EN 474-1 Earth-moving machinery – Safety – part 1: General requirements and to the machine specific parts of the EN 474 series and shall be used in conjunction with these as applicable. This document does not repeat the requirements from the EN 474-series but adds or replaces the requirements as applicable for Earth-moving machinery.

Keel: en

Alusdokumendid: prEN 17969

Arvamusküsitluse lõppkuupäev: 30.06.2023

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 105-B04

Textiles - Tests for colour fastness - Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test (ISO/DIS 105-B04:2023)

This part of ISO 105 specifies a method intended for determining the resistance of the colour of textiles of all kinds, except loose fibres, to the action of weather as determined by exposure to simulated weathering conditions in a cabinet equipped with a xenon arc lamp. ISO 105-B04 focuses on textiles (such as apparel) where the main evaluation criteria is the colour fastness. This method can be used to determine if a textile is wet light-sensitive. NOTE 1 General information on colour fastness to light is given in Annex A. NOTE 2 Textiles or technical textiles, which are permanently exposed to an outdoor environment and/or require mechanical testing (such as tensile strength determination) may be tested according to ISO 105-B10.

Keel: en

Alusdokumendid: ISO/DIS 105-B04; prEN ISO 105-B04

Asendab dokumenti: EVS-EN ISO 105-B04:2000

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 1833-4

Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite) (ISO/DIS 1833-4:2023)

ISO 1833-4:2017 specifies a method, using hypochlorite, to determine the mass percentage of protein fibre, after removal of non-fibrous matter, in textiles made of mixtures of certain non-protein fibres and certain protein fibres, as follows: - wool, other animal-hair (such as cashmere, mohair), silk, protein, with - cotton, cupro, viscose, modal, acrylic, chlorofibres, polyamide, polyester, polypropylene, glass, elastane, elastomultiester, elastolefin, melamine and polypropylene/polyamide bicomponent.

Keel: en

Alusdokumendid: ISO/DIS 1833-4; prEN ISO 1833-4

Asendab dokumenti: EVS-EN ISO 1833-4:2017

Arvamusküsitluse lõppkuupäev: 30.06.2023

61 RÕIVATÖÖSTUS

prEN 14682

Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications

This European Standard specifies requirements for cords and drawstrings on children's clothing, including disguise costumes and ski apparel, up to the age of 14 years. Within the scope of this European Standard, it is not possible to cover all potential hazards that may create an unsafe garment. Conversely, identifiable specific hazards in certain styles/design of garment might not present a risk for certain age groups. It is recommended that an individual risk assessment be carried out on any garment in order to ensure that it does not present a hazard to the wearer. This European Standard does not apply to the following (see Annex C for rationale): a) child use and care articles, for example bibs, nappies and soother holders; b) shoes, boots and similar footwear; c) gloves, hats, bonnets and scarves; d) neckties designed to be worn with a shirt or blouse; e) belts, with the exception of tied belts which are within scope; f) braces; g) religious clothing; h) celebratory clothing such as that worn at civil or religious ceremonies, national or regional festivals provided this is worn for limited periods and under supervision; i) specialist sportswear and activity wear generally worn for limited periods and under supervision, for example rugby shorts, wet suits, and dancewear, except where

those garments are commonly worn as day wear or night wear; j) theatrical costumes used for theatrical performances; k) aprons intended to be worn over day wear, for limited periods and under supervision, to protect clothing from soiling during activities such as painting, cooking, or during meal times; l) bags and purses.

Keel: en

Alusdokumendid: prEN 14682

Asendab dokumenti: EVS-EN 14682:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

65 PÕLLUMAJANDUS

EN 12965:2019/prA1

Tractors and machinery for agriculture and forestry - Power take-off (PTO) drive shafts and their guards - Safety

This document specifies safety requirements and their verification for the design and construction of power take-off (PTO) drive shafts and their guards linking a tractor or self-propelled machinery to the first fixed bearing of recipient machinery. It describes methods for the elimination or reduction of risks which need specific requirements including such risks arising from misuse, reasonably foreseeable by the manufacturer. It is applicable only to those PTO drive shafts and guards mechanically linked to the shaft by at least two bearings. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. This document does not deal with: - the guards totally covering, but not mechanically linked to, the PTO drive shaft; - the mechanical characteristics of PTO drive shafts, overrun devices and torque limiters; - general hazards which are dealt with in EN ISO 4254-1:2015 (see introduction). Environmental aspects have not been considered in this document. This document is not applicable to PTO drive shafts and their guards which are manufactured before the date of publication of this document by CEN.

Keel: en

Alusdokumendid: EN 12965:2019/prA1

Muudab dokumenti: EVS-EN 12965:2019

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17707

Plant biostimulants - Determination of the yeast and mould content

This document specifies a horizontal method for the enumeration of yeasts and moulds present in plant biostimulants intended for use in agriculture, by means of the colony count technique after aerobic incubation at $25\text{ °C} \pm 2,5\text{ °C}$. This document allows the enumeration of yeasts and moulds, in technical and formulated plant biostimulant, both in liquid and solid state. The method is applicable to microbial plant biostimulant except those composed of fungi or yeast to verify that the concentration of yeast and moulds does not exceed the respective limits described in the EU Fertilisers Regulation [1]. If necessary, yeast and mould enumerated can be identified using suitable identification tests.

Keel: en

Alusdokumendid: prEN 17707

Asendab dokumenti: CEN/TS 17707:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17709

Plant biostimulants - Determination of Azobacter spp.

This document was developed to provide the methodology for the enumeration and determination of Azotobacter sp. [2] [3] in microbial plant biostimulants in accordance with the Regulation (EU) 2019/1009 of the European Parliament and of the Council [1].

Keel: en

Alusdokumendid: prEN 17709

Asendab dokumenti: CEN/TS 17709:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17710

Plant biostimulants - Detection of Listeria monocytogenes

This document provides a method for the detection of Listeria monocytogenes in microbial plant biostimulants for verifying that the content of this human pathogen agrees with the respective limits outlined in the EU Regulation on Fertilising Products [1].

Keel: en

Alusdokumendid: prEN 17710

Asendab dokumenti: CEN/TS 17710:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17711

Plant biostimulants - Detection of Vibrio spp.

This document specifies a horizontal method for the detection of enteropathogenic Vibrio spp., which causes human illness in or via the intestinal tract [1]. The species detectable by the methods specified include Vibrio parahaemolyticus, Vibrio cholerae and

Vibrio vulnificus. It is applicable to the following: - microbial plant biostimulants. NOTE 1 The World Health Organization (WHO) has identified that *V. parahaemolyticus*, *V. cholerae* and *V. vulnificus* are the major contaminants of *Vibrio* spp. [1]. NOTE 2 For confirmation, it is possible to use PCR tests; in this case the laboratory must validate the procedure and data generated.

Keel: en

Alusdokumendid: prEN 17711

Asendab dokumenti: CEN/TS 17711:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17712

Plant biostimulants - Detection of Staphylococcus aureus

This document provides a method for verifying that the pathogen *Staphylococcus aureus* is absent from microbial plant biostimulants according to the limits outlined in the EU Regulation on Fertilising Products [2].

Keel: en

Alusdokumendid: prEN 17712

Asendab dokumenti: CEN/TS 17712:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17713

Plant biostimulants - Determination of Azospirillum spp.

This document provides the methodology for the enumeration and determination of *Azospirillum* spp. in Plant Biostimulant products in accordance with the Regulation (EU) 2019/1009 of the European Parliament and of the Council [1].

Keel: en

Alusdokumendid: prEN 17713

Asendab dokumenti: CEN/TS 17713:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17714

Plant biostimulants - Determination of microorganisms' concentration

This document specifies general rules to determine the concentration of microorganisms present in plant biostimulants. The method is applicable to microbial plant biostimulants for verifying that the concentration of microorganisms does not exceed the respective limits outlined in the EU Regulation on Fertilising Products [1]. This horizontal method might not be appropriate in every detail for certain products. In this case, it is necessary to refer to the methodology of specific determination and quantification of the microorganisms.

Keel: en

Alusdokumendid: prEN 17714

Asendab dokumenti: CEN/TS 17714:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17715

Plant biostimulants - Detection of Shigella spp.

This document provides a method for verifying that the pathogen *Shigella* spp. is not present in microbial plant biostimulants in a concentration that exceeds the respective limits outlined in the EU Regulation on Fertilising Products. The detection method for *Shigella* pathogens is not sensitive and quantification is rarely performed. Detection is usually performed using an enrichment medium followed by subculturing onto a variety of selective media.

Keel: en

Alusdokumendid: prEN 17715

Asendab dokumenti: CEN/TS 17715:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17716

Plant biostimulants - Determination of Escherichia coli

This document gives general guidelines for the detection and identification of the specified microorganism *Escherichia coli* in technical and formulated biostimulant products, both in liquid and solid state, and also the horizontal method for the enumeration of β -glucuronidase-positive *Escherichia coli* in plant biostimulants products (both in liquid and solid state). The qualitative method described in this document is based on the detection of *Escherichia coli* in a non-selective liquid medium (enrichment broth), followed by isolation on a selective agar medium. Other methods can be appropriate, depending on the level of detection required. NOTE For the detection of *Escherichia coli*, subcultures can be performed on non-selective culture media followed by suitable identification steps (e.g. using identification kits). The quantitative method described in this document uses a colony-count technique at 44 °C on a solid medium containing a chromogenic ingredient for detection of the enzyme β -glucuronidase. WARNING - Strains of *Escherichia coli* which do not grow at 44 °C and, in particular, those that are β -glucuronidase negative, such as *Escherichia coli* O157, will not be detected.

Keel: en

Alusdokumendid: prEN 17716

Asendab dokumenti: CEN/TS 17716:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17717

Plant biostimulants - Detection of Salmonella spp.

This document describes a method for the detection of Salmonella spp. in biostimulants of the following Product Function Categories (PFCs) and Component Material Category (CMC) of EU fertilizing products, as described in Regulation (EU) 2019/1009 of the European Parliament and of the Council [1]: - PFC 6(A): Microbial plant biostimulant; - PFC 6(B): Non-microbial plant biostimulant; - CMC 7: Microorganisms. It requires three successive steps: a selective enrichment, an isolation on a chromogenic agar, and if positive a confirmation with a serological test (and if required, a selective media).

Keel: en

Alusdokumendid: prEN 17717

Asendab dokumenti: CEN/TS 17717:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17718

Plant biostimulants - Determination of Rhizobium spp.

This document provides the methodology for the enumeration and determination of Rhizobium sp., Mesorhizobium sp., Ensifer sp., or Bradyrhizobium sp. in plant biostimulant products in accordance with Regulation (EU) 2019/1009 of the European Parliament and of the Council [1].

Keel: en

Alusdokumendid: prEN 17718

Asendab dokumenti: CEN/TS 17718:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17719

Plant biostimulants - Determination of the anaerobic plate count

This document provides a horizontal method for enumeration of microorganisms that are able to grow and form colonies in a solid medium after anaerobic incubation at 30 °C. The method is applicable to microbial plant biostimulants, except those composed of aerobic bacteria, for verifying that the concentration of anaerobes does not exceed the respective limits outlined in the EU Fertilizers Regulation [1]. This method does not apply to the microbiological monitoring of the environment in which microbial plant biostimulants are manufactured. No information about potential human pathogens can be inferred from anaerobic plate counts.

Keel: en

Alusdokumendid: prEN 17719

Asendab dokumenti: CEN/TS 17719:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17720

Plant biostimulants - Determination of Enterococcaceae

This methodology has been developed to determine enterococci in biostimulants as a single microorganism component or in a mixture with other microorganisms. This document is not applicable to mineral fertilizers that are defined as complementary feeding stuffs composed mainly of minerals and containing at least 40 % crude ash (Council Directive 79/373/EEC) [3].

Keel: en

Alusdokumendid: prEN 17720

Asendab dokumenti: CEN/TS 17720:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17721

Plant biostimulants - Determination of the pH for liquid microbial plant biostimulants/pH in microbial products - Determination of pH

This document specifies a method for laboratory measurement of the pH value in liquid microbial plant biostimulants, using pH electrodes with a glass membrane. Plant biostimulants other than microbial plant biostimulants are excluded from the scope of this document because there is no essential requirement in the Regulation [1] for measuring the pH of non-microbial plant biostimulants.

Keel: en

Alusdokumendid: prEN 17721

Asendab dokumenti: CEN/TS 17721:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17722

Plant biostimulants - Determination of mycorrhizal fungi

This standard was developed to provide a horizontal method for enumeration and genera/species determination [1], [2], [3] of mycorrhizal fungi in microbial plant biostimulant in accordance with the Regulation (EU) 2019/1009 of the European Parliament and of the Council.

Keel: en

Alusdokumendid: prEN 17722
Asendab dokumenti: CEN/TS 17722:2022
Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17723

Plant biostimulants - Determination of chloride

This European Standard establishes the methodology for the determining chlorides in plant biostimulant products in the absence of organic material, in accordance with the Regulation of EU fertilising products.

Keel: en
Alusdokumendid: prEN 17723

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17725

Plant biostimulants - Determination of the quantity (indicated by mass or volume)

This document specifies the methods to be used for the determination of quantity of solid and liquid forms of plant biostimulants in packages, containers or in bulk. This document is not applicable to the quantity determination of: soil improvers, growing media, organic and organo-mineral fertilizers and fertilizing product blends whose main constituent is a growing media or soil improver. The method for quantity determination for these products is given in EN 15761, EN 15238 and EN 12580.

Keel: en
Alusdokumendid: prEN 17725
Asendab dokumenti: CEN/TS 17725:2022

Arvamusküsitluse lõppkuupäev: 30.06.2023

67 TOIDUAINETE TEHNOLOOGIA

prEN 16466-1

Food authenticity - Isotopic analysis of acetic acid and water in vinegar - Part 1: 2H-NMR analysis of acetic acid

This document specifies an isotopic method to control the authenticity of vinegar and food containing vinegar as an ingredient (for example Aceto Balsamico di Modena), with a density below 1,28 g/cm³. This method is applicable on acetic acid of vinegar (from wine, cider, agricultural alcohol, etc.) in order to characterize the botanical origin of acetic acid and to detect adulterations of vinegar using synthetic acetic acid or acetic acid from a non-allowed origin (together with the method described in EN 16466-2). The isotopic analysis of the extracted acetic acid by 2H-NMR is based on a similar method already normalized for wine analysis [10]. The application of this document can involve the use of hazardous substances, operations and equipment. This document does not claim to address all associated safety issues. It is the responsibility of the user of this document to take appropriate measures for the safety and health protection of personnel before use, and to check the applicability of existing national and European rules and regulations.

Keel: en
Alusdokumendid: prEN 16466-1
Asendab dokumenti: EVS-EN 16466-1:2013

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEVS-ISO 19662

Piim. Rasvasisalduse määramine Butüromeetiline meetod (Gerber) Milk -- Determination of fat content -- Acido-butyrometric (Gerber method) (ISO 19662:2018, identical)

See dokument määratleb butüromeetrilise meetodi (Gerber) rasvasisalduse määramiseks piimas. See on rakendatav täispiimale ja osaliselt kooritud piimale. See on samuti rakendatav ametlikult lubatud konservante (kaaliumdikromaat, bronopool) sisaldavale piimale. See ei ole kohaldatav formaliini sisaldava ega homogeenseeristöötluse läbinud piimale.

Keel: en
Alusdokumendid: ISO 19662:2018
Asendab dokumenti: EVS-ISO 2446:2011

Arvamusküsitluse lõppkuupäev: 30.06.2023

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 12594

Bitumen and bituminous binders - Preparation of test samples

This European Standard specifies a method for preparing samples of bituminous binders in order to test their properties.

Keel: en
Alusdokumendid: prEN 12594
Asendab dokumenti: EVS-EN 12594:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 12597

Bitumen and bituminous binders - Terminology

This European Standard defines terms for paving or industrial bitumen of various types and binders derived from bitumen. This European Standard is intended to cover materials only within the scope of CEN/TC 336, i.e. only bitumens and bituminous binders. It should consequently not extend to non-petroleum "hydrocarbon" binders such as coal tar and its derivatives or to natural asphalts. However, some definitions are given for some excluded materials and related terms. The corresponding terms were introduced only when they appeared in a definition of a product or process and when their definition was found necessary for understanding or for avoiding any ambiguity.

Keel: en

Alusdokumendid: prEN 12597

Asendab dokumenti: EVS-EN 12597:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 1426

Bitumen and bituminous binders - Determination of needle penetration

This document specifies a method for determining the consistency of bitumen and bituminous binders. The normal procedure is described for penetrations up to 330 mm × 0,1 mm at 25 °C. The maximum penetration that can be tested is 500 mm × 0,1 mm. **WARNING** The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: prEN 1426

Asendab dokumenti: EVS-EN 1426:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 17963

Natural gas vehicles - LNG vehicle fuelling procedures

This document provides guidelines for safe fuelling operations of vehicles that use liquefied natural gas (LNG) as a fuel for propulsion, covering the activities and procedures to be followed for safe operation. It provides procedures applicable to different fuelling systems and technologies. **NOTE** The document has been based on the consideration that it is the employers' duty to protect the health, safety and welfare of the employees (as organized in Directive 89/391 EEC). As such, it is considered to be the responsibility of the driver's employer to ensure that LNG vehicle drivers are properly trained.

Keel: en

Alusdokumendid: prEN 17963

Arvamusküsitluse lõppkuupäev: 30.06.2023

77 METALLURGIA

prEN 683-2

Aluminium and aluminium alloys - Finstock - Part 2: Mechanical properties

This document specifies the mechanical properties of wrought aluminium and wrought aluminium alloy finstock. The chemical composition limits of these materials are specified in EN 573-3, unless otherwise agreed between supplier and purchaser. The designations of wrought aluminium and wrought aluminium alloys and the temper designations used in this document are specified in EN 573-3, and the temper designations are defined in EN 515.

Keel: en

Alusdokumendid: prEN 683-2

Asendab dokumenti: EVS-EN 683-2:2007

Arvamusküsitluse lõppkuupäev: 30.06.2023

79 PUIDUTEHNOLOOGIA

prEN ISO 12460-3

Wood-based panels - Determination of formaldehyde release - Part 3: Gas analysis method (ISO/FDIS 12460-3:2023)

This document specifies a procedure for determination of accelerated formaldehyde release from uncoated and coated wood-based panels using the gas analysis method. The procedure is also suitable for the testing of other materials (e.g. edge bands, floor coverings, foams, foils, laminated wood products, veneered wood products, coated wood products).

Keel: en

Alusdokumendid: ISO/FDIS 12460-3; prEN ISO 12460-3

Asendab dokumenti: EVS-EN ISO 12460-3:2020

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 23739**Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods for chemical analysis of zirconium oxide powders (ISO 23739:2021)**

This document specifies methods for the chemical analysis of zirconium oxide powders used as the raw material for fine ceramics. It stipulates the determination methods of the zirconium, aluminium, barium, calcium, cerium, cobalt, gadolinium, hafnium, iron, magnesium, potassium, silicon, sodium, strontium, titanium and yttrium contents in zirconium oxide powders for fine ceramics. The test sample is decomposed by acid pressure decomposition or alkali fusion. Contents of zirconium and yttrium are determined by using either a precipitation and gravimetric method or an inductively coupled plasma-optical emission spectrometry (ICP-OES) method. Contents of aluminium, barium, calcium, cerium, cobalt, gadolinium, hafnium, iron, magnesium, potassium, silicon, sodium, strontium and titanium are determined by using an ICP-OES method.

Keel: en

Alusdokumendid: ISO 23739:2021; prEN ISO 23739

Asendab dokumenti: EVS-EN 725-12:2001

Arvamusküsitluse lõppkuupäev: 30.06.2023

EN 16867:2020+A1:2021/prA2**Building hardware - Mechatronic door furniture - Requirements and test methods**

1.1 General This document applies to Mechatronic door furniture (MDF) fitted on the door set which gives the possibility to control the locking and/or release part through an electronic authorization means. This can be operable by credentials (i.e. card, code, biometric). The MDF according to this document is combined with locks according to EN 12209, EN 14846, prEN 15685 or may be a part of an emergency exit device according to EN 179, EN 1125 or EN 13637. The MDF may be standalone or linkable to an external control system. The document would allow classifying the MDF upon several characteristics such as category of use, durability, environmental, security, and type of operating device. The suitability of the MDF for use on fire or smoke-door assemblies is determined by fire resistance tests conducted in addition to the performance testing specified by this document. 1.2 Exclusions This document does not cover: - mechatronic cylinders according to EN 15684; - electromechanical operated locks and striking plates according to EN 14846.

Keel: en

Alusdokumendid: EN 16867:2020+A1:2021/prA2

Muudab dokumenti: EVS-EN 16867:2020+A1:2021

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 12594**Bitumen and bituminous binders - Preparation of test samples**

This European Standard specifies a method for preparing samples of bituminous binders in order to test their properties.

Keel: en

Alusdokumendid: prEN 12594

Asendab dokumenti: EVS-EN 12594:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 12597**Bitumen and bituminous binders - Terminology**

This European Standard defines terms for paving or industrial bitumen of various types and binders derived from bitumen. This European Standard is intended to cover materials only within the scope of CEN/TC 336, i.e. only bitumens and bituminous binders. It should consequently not extend to non-petroleum "hydrocarbon" binders such as coal tar and its derivatives or to natural asphalts. However, some definitions are given for some excluded materials and related terms. The corresponding terms were introduced only when they appeared in a definition of a product or process and when their definition was found necessary for understanding or for avoiding any ambiguity.

Keel: en

Alusdokumendid: prEN 12597

Asendab dokumenti: EVS-EN 12597:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 12607-1**Bitumen and bituminous binders - Determination of the resistance to hardening under influence of heat and air - Part 1: RTFOT method**

This part of EN 12607 specifies a method for measuring the combined effects of heat and air on a thin moving film of bitumen or bituminous binder simulating the hardening which most bituminous binders undergo during mixing in an asphalt mixing plant. The method described is not applicable to some modified binders or to those where the viscosity is too high to provide a moving film. In some cases the sample may creep out of the glass container and flow on the heating elements of the oven during testing. The method is suitable for other bituminous binders than paving grade bitumen, but the reference temperature might give excessive hardening that do not resemble real conditions during mixing at the plant. The method may not represent the hardening that

occurs during mixing of warm mix binders. The method is referred to as RTFOT, i.e. Rolling Thin Film Oven Test. WARNING - Use of this European Standard can involve hazardous materials, operations and equipment. This European Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this European Standard to identify the hazards and assess the risks involved in performing this test method and to implement sufficient control measures to protect individual operators (and the environment). This includes appropriate safety and health practices and determination of the applicability of regulatory limitations prior to use. If there is a likelihood of volatile components being present in a binder, this procedure should not be used. It should not be used for cutback bitumen or bituminous emulsions before these products have been stabilized, e.g. in accordance with EN 13074 2.

Keel: en

Alusdokumendid: prEN 12607-1

Asendab dokumenti: EVS-EN 12607-1:2014

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 1426

Bitumen and bituminous binders - Determination of needle penetration

This document specifies a method for determining the consistency of bitumen and bituminous binders. The normal procedure is described for penetrations up to 330 mm × 0,1 mm at 25 °C. The maximum penetration that can be tested is 500 mm × 0,1 mm. WARNING The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: prEN 1426

Asendab dokumenti: EVS-EN 1426:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN 15167-2

Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 2: Assessment and verification of constancy of performance

This document specifies the scheme for the assessment and verification of constancy of performance (AVCP) of ground granulated blast furnace slag, including certification of constancy of performance. The document provides technical rules for the factory production control, further testing of samples taken at the manufacturing plant (autocontrol testing) and the assessment of the performance of the ground granulated blast furnace slag, initial inspection of the manufacturing plant and of the factory production control and audit-testing of samples. It also provides rules for actions to be followed in the event of non-conformity and the requirement for depots. This document is linked with the Annex ZA of the European Standard covering ground granulated blast furnace slag, i.e. EN 15167-1:2006.

Keel: en

Alusdokumendid: prEN 15167-2

Asendab dokumenti: EVS-EN 15167-2:2006

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 16032

Acoustics - Measurement of sound pressure level from service equipment or activities in buildings - Engineering method (ISO/DIS 16032:2023)

ISO 16032:2004 specifies methods for measuring the sound-pressure level produced by service equipment attached to or installed in buildings. It specifically covers measurements on sanitary installations, mechanical ventilation, heating and cooling service equipment, lifts, rubbish chutes, boilers, blowers, pumps and other auxiliary service equipment, and motor-driven car park doors, but can also be applied to other equipment attached to or installed in buildings. The methods are suitable for rooms with volumes of approximately 300 cubic metres or less in e.g. dwellings, hotels, schools, offices and hospitals. The standard is not in general intended for measurements in large auditoria such as concert halls. However, the operating conditions and operating cycles in Annex B can be used in such cases. The service equipment sound-pressure level is determined as the maximum A-weighted and optionally C-weighted sound-pressure level occurring during a specified operation cycle of the service equipment under test, or as the equivalent continuous sound-pressure level determined with a specified integration time. A-weighted and C-weighted values are calculated from octave-band measurements.

Keel: en

Alusdokumendid: ISO/DIS 16032; prEN ISO 16032

Asendab dokumenti: EVS-EN ISO 16032:2004

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 22014

Library objects for architecture, engineering, construction, and use (ISO/DIS 22014:2023)

Recommendations for defining format and content for construction library objects to support project briefing, design, tendering, construction, and management of built assets. It is intended for all professionals and service providers using generic and product specific data, supporting then development of information throughout the process. To develop an International Standard giving principles and definitions for the symbolic and simplified visual presentation of objects in connection with Building Information Modelling (BIM), and their organization into libraries.

Keel: en

Alusdokumendid: ISO/DIS 22014; prEN ISO 22014

Arvamusküsitluse lõppkuupäev: 30.06.2023

93 RAJATISED

prEN IEC 61820-2:2023

Electrical installations for lighting and beaconing of aerodromes - Part 1-2: Particular requirements for series circuits

This part describes requirements based on the IEC 61820-1, complemented with series circuit specific topics.

Keel: en

Alusdokumendid: 97/252/CDV; prEN IEC 61820-2:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

97 OLME. MEELELAHUTUS. SPORT

prEN 14682

Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications

This European Standard specifies requirements for cords and drawstrings on children's clothing, including disguise costumes and ski apparel, up to the age of 14 years. Within the scope of this European Standard, it is not possible to cover all potential hazards that may create an unsafe garment. Conversely, identifiable specific hazards in certain styles/design of garment might not present a risk for certain age groups. It is recommended that an individual risk assessment be carried out on any garment in order to ensure that it does not present a hazard to the wearer. This European Standard does not apply to the following (see Annex C for rationale): a) child use and care articles, for example bibs, nappies and soother holders; b) shoes, boots and similar footwear; c) gloves, hats, bonnets and scarves; d) neckties designed to be worn with a shirt or blouse; e) belts, with the exception of tied belts which are within scope; f) braces; g) religious clothing; h) celebratory clothing such as that worn at civil or religious ceremonies, national or regional festivals provided this is worn for limited periods and under supervision; i) specialist sportswear and activity wear generally worn for limited periods and under supervision, for example rugby shorts, wet suits, and dancewear, except where those garments are commonly worn as day wear or night wear; j) theatrical costumes used for theatrical performances; k) aprons intended to be worn over day wear, for limited periods and under supervision, to protect clothing from soiling during activities such as painting, cooking, or during meal times; l) bags and purses.

Keel: en

Alusdokumendid: prEN 14682

Asendab dokumenti: EVS-EN 14682:2015

Arvamusküsitluse lõppkuupäev: 30.06.2023

TÖLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standarddilaadsete 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](#).

CEN ISO/TR 8124-8:2016

Mänguasjade ohutus. Osa 8: Vanuse kindlaks määramise suunised

Selles tehnilises aruandes on toodud suunised vähima vanuse kindlaksmääramiseks, millest alates hakkavad lapsed kindlatesse mänguasjade alamkategoriasse kuuluvate mänguasjadega mängima, ning see on eelkõige suunatud tootjatele ja asutustele, kes hindavad mänguasjade vastavust ohutusstandarditele. Samuti võivad seda tehnilist aruannet viitena kasutada lastemängudega tegelevad turustajad, asutused ja organisatsioonid, samuti lasteasutused, õpetajad, muud spetsialistid, kes kasutavad mänguasju oma tavapärase tegevuses, ja tarbijad, et määrata kindlaks mänguasjade sobivus vähima vanuse järgi. Vanus, mil lastel arenevad erinevad võimed, on iga lapse puhul ainuline. Need suunised illustreerivad vanusevahemikke, mille jooksul on tüüpilisel lapsel teatud võimed arenenud. Kuigi vanuserühma määramine mõjutab ohutust, pole need suunised mõeldud konkreetsete ohutusnõuete käsitlemiseks. Konkreetset ohutusnõudet mänguasjadele on esitatud mänguasjade ohutuse standardisarjas ISO 8124 (ja muudes piirkondlikes mänguasjade ohutusstandardites ja määrustes). Näiteks piiravad sellised standardid lämbumisohtu tõttu väikeste osade, sh pallide olemasolu teatud vanuserühmadele mõeldud mänguasjades. Need vanuse kindlaksmääramise suunised põhinevad ekspertide nõuannetel ja laste traditsioonilistel mängimise harjumustel ning võivad erineda riiklikest või piirkondlikest määrustest või direktiividest, mis liigitavad mänguasja või mänguasjade kategooria erinevatesse vanuserühmadesse. Lisas B on toodud üksikasjad selle kohta, kuidas võeti nende vanuse kindlaksmääramise juhiste väljatöötamisel arvesse teavet elektrooniliste mänguasjade ja mänguasjades sisalduva elektroonika kohta.

Keel: et

Alusdokumendid: ISO/TR 8124-8:2016; CEN ISO/TR 8124-8:2016

Kommenteerimise lõppkuupäev: 31.05.2023

EVS-EN 50122-1:2022

Raudteealased rakendused. Püsipaigaldised. Elektriõhutus, maandamine ja tagasisivooluahel.

Osa 1: Kaitsemeetmed elektrilöögi eest

Selles dokumendis määratletakse nõuded kaitsemeetmetele, mis on seotud vahelduv- ja/või alalisvoolu veosüsteemidega seotud püsipaigaldiste ning mis tahes paigaldistega, mida elekterveosüsteem võib ohustada. See hõlmab ka elektrifitseeritud liinidel liikuvate veeremite suhtes kohaldatavaid nõudeid. Samuti kohaldatakse seda kõigi kohtkindlate paigaldiste aspektide suhtes, mis on vajalikud elektriõhutuse tagamiseks elekterveotoitesüsteemide hooldustööde ajal. Seda dokumenti kohaldatakse uute elekterveotoitesüsteemide ja elekterveotoitesüsteemide oluliste muudatuste suhtes, mis käsitlevad järgnevat: a) raudteed; b) juhitavad ühistranspordisüsteemid, näiteks 1) trammiteed, 2) kõrgendatud ja maa-alused raudteed, 3) mägiraudteed, 4) trollibusside süsteemid, 5) kontaktõhuliini süsteemi kasutavate maanteesõidukite elekterveotoitesüsteemid ja 6) kontaktliini süsteemi kasutavad magnethõljuk-süsteemid; c) materjali transpordisüsteemid. Seda dokumenti ei kohaldata järgneva suhtes: a) elekterveotoitesüsteemid allmaakaevandustes, b) kraanad, teisaldatavad platvormid jms sarnased transpordivahendid rööbastel, ajutistel konstruktsioonidel (nt näituse konstruktsioonid), kui neid ei varustata kontaktliini süsteemist otse või trafode kaudu ega ohusta elekterveotoitesüsteem, c) kõisõidukid, d) kõisraudteed, e) olemasolevad veeremid. Selles dokumendis ei täpsustata hooldustööde töökorraldusi. Selles dokumendis toodud elektrilöögi eest kaitsmisega seotud nõudeid kohaldatakse ainult isikute suhtes.

Keel: et

Alusdokumendid: EN 50122-1:2022

Kommenteerimise lõppkuupäev: 31.05.2023

EVS-EN 50122-3:2022

Raudteealased rakendused. Püsipaigaldised. Elektriõhutus, maandamine ja tagasisivooluahel.

Osa 3: Alalis- ja vahelduvvoolu veosüsteemide vastastikused koostoimed

Selles dokumendis määratletakse nõuded statsionaarsete paigaldiste elektriõhutusega seotud kaitsemeetmetele, kui on mõistlikult tõenäoline, et vahelduv- ja alalisvoolu elekterveotoitesüsteemide vastastikuse koostoime tagajärjel tekivad inimestele või seadmetele ohtlikud pinged või voolud. Peale selle kehtib see ka kõikidele aspektidele püsipaigaldistel, mis on vajalikud elektriõhutuse tagamiseks hooldustöödel elekterveotoitesüsteemides. Vastastikuse koostoime liigid võivad olla järgmised: — vahelduv- ja alalisvoolu elekterveotoitesüsteemide paralleelne kasutamine; — vahelduv- ja alalisvoolu elekterveotoitesüsteemide ristumine; — rööbaste, hoonete või muude rajatiste ühiskasutus; — vahelduvvoolu ja alalisvoolu elekterveotoitesüsteemide vahelised süsteemide eraldamise sektioonid. Käsitlusala piirneb põhisageduslike pingete ja voolude galvaanilise, induktiivse ja mahtuvusliku sidumisega ning nende superpositsiooniga. See dokument kehtib kõikide uute liinide, laienduste ja olemasolevate liinide kõikidele olulistele muudatustele järgmiste elekterveotoitesüsteemide korral: a) raudteed; b) juhitavad ühistranspordi süsteemid, näiteks: 1) trammiteed, 2) kõrgendatud ja maa-alused raudteed, 3) mägiraudteed, 4) magnetlevitatsiooni süsteemid, milles kasutatakse kontaktliini süsteemi, 5) trollibusside süsteemid ja 6) maanteesõidukite elektrilised veojõu toitesüsteemid, milles kasutatakse kontaktõhuliini süsteemi; c) materjalide transpordisüsteemid. Dokument ei kehti järgmistel juhtudel: a) allmaakaevanduste elekterveotoitesüsteemid; b) kraanad, teisaldatavad platvormid ja sarnased rööbastel transpordiseadmed, ajutised konstruktsioonid (nt näituserajatised), kuivõrd neid ei varustata kontaktliini süsteemist otse või trafode kaudu ja neid ei ohusta raudteede elekterveotoitesüsteem; c) rippuvad kõisraudteed; d) kõisraudteed; e) hoolduse korrad või eeskirjad. Selles

dokumendis esitatud eeskirju võib rakendada ka elektrititseerimata rööbasteede vastastikusele koostoimele, juhul kui vahelduv- või alalisvoolu elekterveotoitesüsteemidest võivad tekkida ohtlikud pinged või voolud.

Keel: et

Alusdokumendid: EN 50122-3:2022

Kommenteerimise lõppkuupäev: 31.05.2023

EVS-EN IEC 55015:2019+A11:2020

Elektrivalgustite ja nendetaoliste seadmete raadiohäiringu-tunnussuuruste piirväärtused ja mõõtemetodid

See standard kohaldub alljärgnevatest seadmetest tulenevatele kiiruslikele ja juhtivuslikele raadiosageduslikele häiringutele: — valgusseadmetele (3.3.16); — multifunktsionaalsete seadmete valgustiosale, mille puhul valgustamine on põhifunktsioon; MÄRKUS 1: Näiteks nähtava valgusega kommunikatsiooni valgustusseadmetele, meelelahutusvalgustitele — kodutarbijate ja mittetööstuslike rakenduste ultraviolet- ja infrapunakiirguse seadmetele; — reklaamisiltidele; MÄRKUS 2 Näiteks neoontoruga reklaamisiltidele. — dekoratiivvalgustusele; — hädaolukorra siltidele. Selle standardi käsitluselast on välja jäetud: — komponendid ja moodulid, mis on mõeldud valgustusseadmesse ja mis ei ole kasutaja poolt vahetatavad; MÄRKUS 3 Sisseehitatud juhtseadiste kohta vt. CISPR 30 (kõik osad). — valgustusseadmed, mis töötavad ISM-sagedusalas (nagu on määratletud ITU Raadioeeskirja Resolutsioonis 63 (1979)); — õhusõidukite ja lennuvälja rajatiste (lennurajad, teenindusrajatised, platvormid) valgustusseadmed; — video sildid; — paigaldised; — eraldiseisev ja valgustusseadmesse sisseehitatud aparaat, mille elektromagnetilise ühilduvuse nõuded on raadiosagedusalas põhjalikult sõnastatud mõnes teises CISPR-i standardis, isegi kui need sisaldavad sisseehitatud valgustusfunktsiooni. MÄRKUS 4 Välistuse näited on: — sisseehitatud valgustusseadmed taustvalgustuseks, skaala valgustamiseks ja signaliseerimiseks; — SSL-ekraanid — õhupuhasid, külmikud, sügavkülmikud; — valguskoopiamašinaid, projektorid; — maanteeõidukite valgustus (CISPR 12 käsitlusala). Kaetud sagedusvahemik on 9 kHz kuni 400 GHz. Sagedustel, mille limiite dokumendis toodud pole, ei pea mõõtmisi tegema. Multifunktsionaalsed seadmed, millele kohalduvad samal ajal eri jaotised selles või mõnes muus standardis, peavad vastama iga jaotise/standardi klauslile vastava funktsiooni toimides. Selle standardi alusel ei ole vaja standardi käsitluselast välja jäävatele valgustit kui teisest funktsiooni sisaldavate seadmete valgustusfunktsioonile eraldi hindamist teha, kui on kindlustatud, et valgustusfunktsioon oli töös seadmele kohalduva standardi nõuetele vastavushindamisel. MÄRKUS 5 Seadmed, kus valgustus on teine funktsioon, on näiteks õhupuhasid, ventilaatorid, külmikud, sügavkülmikud, ahjud ja taustvalgustusega telerid. Selles dokumendis toodu kiirgushäiringute nõuded ei ole mõeldud rakendamiseks tahtlikule emissioonile raadiosaatjast (ITU definitsiooni järgi) ega tahtliku saatmisega kaasnevale kõrvalkiirgusele. Kui ülejäänud dokumendis kasutatakse terminit „valgusseade“ või „EUT“ mõeldakse selle all elektrivalgustit ja sarnaseid seadmeid, mis jäävad vastavalt ülaltoodud tingimustele selle dokumendi käsitluselasse.

Keel: et

Alusdokumendid: EVS-EN IEC 55015:2019; EVS-EN IEC 55015:2019/A11:2020

Kommenteerimise lõppkuupäev: 31.05.2023

prEVS-ISO 15553

Vee kvaliteet. Veest Cryptosporidium ootsüstide ja Giardia tsüstide isoleerimine ning identifitseerimine

See rahvusvaheline standard täpsustab meetodi, mis on rakendatav Cryptosporidium'i ootsüstide ja Giardia tsüstide avastamiseks ja loendamiseks vees. See on rakendatav pinna- ja põhjavee, töödeldud vee, mineraalvee, basseini- ja puhkeveekogude vee uurimisel. See meetod ei võimalda identifitseerida liigi tasandil, päritolu peremeesliiki ega määrata võimaliku Cryptosporidium ootsüsti või Giardia tsüsti elujulisust või nakkavust. Need protseduurid on mõeldud kasutamiseks kogunud analüüsijate tegijatele, kes on enne analüüsi alustamist edukalt läbinud pädevuse kontrollid. Lisaks peaksid selliste analüüsijate tegijad jätkama pädevuse demonstreerimist, kontrollides korrapäraste ajavahemike järel külviproove ja osaledes välistes kvaliteeditagamise skeemides. MÄRKUS Võib esineda Cryptosporidium'i või Giardia'i morfoloogiaga sarnaseid kehasid ja neid võib segi ajada ootsüstide või tsüstidega. Tulemusi tuleb tõlgendada ettevaatlikult. Kui tekib kahtlus ootsüstide või tsüstide identiteedis või kui saadakse ebatavaliselt kõrge tulemus, on soovitatav lasta alusklaase uurida teiste laborite ekspertidel, et leide kinnitada või ümber lükata.

Keel: et

Alusdokumendid: ISO 15553:2006

Kommenteerimise lõppkuupäev: 31.05.2023

prEVS-ISO 2789

Informatsioon ja dokumentatsioon. Rahvusvaheline raamatukogustatistika

See standard sisaldab juhiseid raamatukogu- ja infoteenuste osutajatele statistika kogumiseks ja esitamiseks eesmärgiga: — esitada andmeid rahvusvaheliseks aruandluseks; — tagada riikidevaheline vastavus nende statistiliste näitajate puhul, mida raamatukogude juhised sageli kasutavad, ent mida rahvusvahelised aruanded ei hõlma; — edendada head tava kasutada statistikat raamatukogu- ja infotöö korraldamisel.

Keel: et

Alusdokumendid: ISO 2789:2022

Kommenteerimise lõppkuupäev: 31.05.2023

ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

Allpool on toodud teave eelmise EVS Teataja avaldamise järel Eesti Standardimis- ja Akrediteerimiskeskusele esitatud algupärase standardite ja standardiladsete dokumentide koostamis-, muutmis- ja uustöötlustepanekute kohta, millega algatatakse Eesti algupärase dokumendi koostamise protsess.

Rohkem infot koostatava dokumendi kohta saab EVS-i standardiosakonnast: 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](#).

EVS 933:2022/prA1

Juhised kantavate tulekustutite kontrolliks ja hoolduseks ning nõuded hoolduspunktidele Inspection and maintenance instructions for portable fire extinguishers and requirements for service points

Standardi EVS 933:2022 muudatus.

Muudab dokumenti: EVS 933:2022

Koostamisetpaneku esitaja: Päästeamet

prEVS 670

Kaubapõlevkivi Commercial oil shale

Selles Eesti standardis määratakse kvaliteeditunnuste normid ja kvaliteedigrupid kaevandatud põlevkivile kui kaubale ehk kaubapõlevkivile, mida kasutatakse kui kütust ja tooret.

Asendab dokumenti: EVS 670:1998

Koostamisetpaneku esitaja: EVS/TK 57 "Põlevkivi ja põlevkiviproduktide töötlemine"

prEVS 8

Infotehnoloogia reeglid eesti keele ja kultuuri keskkonnas Requirements on information technology in the environment of the Estonian language and culture

Standardi uustöötluste peamine eesmärk on Eesti ja eesti keele kultuuriandmestiku ja lokaadi võimalikult üldistatud esitamine, et tagada standardi pikaajaline kasutus. Uustöötlus viib sisse parandused EVS 8:2008/AC:2011, uuendab pangakontode numbrite kirjelduse ning parandab tõlkevead.

Asendab dokumenti: EVS 8:2008

Asendab dokumenti: EVS 8:2008/AC:2011

Koostamisetpaneku esitaja: EVS/TK 04

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatusena on pikendatud järgmiste standardite kehtivus:

EVS 585:2007

Isikukood. Struktuur

Personal code. Structure

Käesolev standard määrab kindlaks isikukoodi koostise ja struktuuri kasutamiseks Eesti rahvastikuregistris ning teistes isikuregistris ja dokumentides.

Kehtima jätmise alus: EVS/TK 04 otsus 02.03.2023 2-5/13 ja teade pikendamisküsitlusest 15.03.2023 EVS Teatajas

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 60510-2-5:2006

Methods of measurement for radio equipment used in satellite earth stations - Part 2: Measurements for sub-systems - Section five: Frequency modulators

Methods are given for the measurement of the electrical characteristics of frequency modulators. Furthermore, where possible, only measurements involving the basic modulator are considered, excluding the baseband section comprising the pre-emphasis network and the networks associated with sound sub-carrier signals, pilot signals and auxiliary signals.

Keel: en

Alusdokumendid: IEC 60510-2-5:1992; EN 60510-2-5:1994

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60510-2-6:2006

Methods of measurements for radio equipment used in satellite earth stations - Part 2: Measurements for sub-systems - Section six: Frequency demodulators

Methods are given for the measurement of the electrical characteristics of frequency demodulators. Threshold and carrier-to-noise measurements are included because these are essential for satellite systems. Where possible, only measurements involving the basic demodulator are considered, excluding the equipment comprising the de-emphasis network and the networks associated with sound sub-carrier signals, pilot signals and auxiliary signals.

Keel: en

Alusdokumendid: IEC 60510-2-6:1992; EN 60510-2-6:1994

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60510-3-4:2006

Methods of measurement for radio equipment used in satellite earth stations - Part 3: Methods of measurement on combinations of sub-systems - Section four: Measurements for frequency division multiplex (f.d.m.) transmission

This section deals with baseband-to-baseband measurements for frequency division multiplex (f.d.m.) telephony. These measurements are additional to those given in part 1, section four of this publication, which are common to telephony and to television, for example group-delay and amplitude/frequency characteristics.

Keel: en

Alusdokumendid: IEC 60510-3-4:1992; EN 60510-3-4:1994

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-1-1:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 1: General

The conditions of measurement and the methods of measuring the characteristics given in this part of the standard are common to terrestrial radio-relay and satellite earth station systems using digital modulation. These test methods are general and are applicable to systems of all capacities and the tests to be made should be agreed between the parties concerned.

Keel: en

Alusdokumendid: IEC 60835-1-1:1990; EN 60835-1-1:1992

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-1-2:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 2: Basic characteristics

Deals with the measurement of basic characteristics common to terrestrial radio-relay systems and satellite earth stations. These basic characteristics apply to all of the frequency ranges employed in the radio systems.

Keel: en

Alusdokumendid: IEC 60835-1-2:1992 + A1:1995; EN 60835-1-2:1993 + A1:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-1-3:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 3: Transmission characteristics

Deals with methods of measurement of the characteristics which may be of importance for the transmission performance of microwave systems with digital modulation. The need to carry out any particular measurement and the limits to be met depend, for example, on the bit rate and the method of modulation.

Keel: en

Alusdokumendid: IEC 60835-1-3:1992; EN 60835-1-3:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-1-3:2006/A1:2006

Amendment 1 - Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 3: Transmission characteristics

Deals with methods of measurement of the characteristics which may be of importance for the transmission performance of microwave systems with digital modulation. The need to carry out any particular measurement and the limits to be met depend, for example, on the bit rate and the method of modulation.

Keel: en

Alusdokumendid: IEC 60835-1-3:1992/A1:1995; EN 60835-1-3:1995/A1:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-1-4:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 4: Transmission performance

Deals with the measurement of transmission performance and applies to simulated digital microwave transmission systems or sub-systems.

Keel: en

Alusdokumendid: IEC 60835-1-4:1992; EN 60835-1-4:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-1-4:2006/A1:2006

Amendment 1 - Methods of measurement for equipment used in digital microwave radio transmission systems - Part 1: Measurements common to terrestrial radio-relay systems and satellite earth stations - Section 4: Transmission performance

Deals with the measurement of transmission performance and applies to simulated digital microwave transmission systems or sub-systems.

Keel: en

Alusdokumendid: IEC 60835-1-4:1992/A1:1995; EN 60835-1-4:1995/A1:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-1:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 1: General

This part of the standard, which is supplementary to Part 1, IEC 835-1-1, describes methods of measurement applicable to terrestrial radio-relay systems using digital modulation.

Keel: en

Alusdokumendid: IEC 60835-2-1:1990; EN 60835-2-1:1992

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-10:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section ten: Overall system performance

Deals with measurements to be carried out during factory acceptance tests and type approval tests on a complete simulated digital radio-relay system, following tests on the individual parts of the system.

Keel: en

Alusdokumendid: IEC 60835-2-10:1992; EN 60835-2-10:1993

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-11:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 11: Cross-polarization interference canceller

This section of IEC 835-2 deals with measurement for cross-polarization interference cancellers (XPIC) used in digital microwave radio-relay systems.

Keel: en

Alusdokumendid: IEC 60835-2-11:1996; EN 60835-2-11:1997

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-2:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 2: Antenna

This section of IEC 835-2 gives methods of measurement of the electrical characteristics of antennas used in terrestrial radio-relay systems at frequencies above 1 GHz.

Keel: en

Alusdokumendid: IEC 60835-2-2:1994; EN 60835-2-2:1994

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-3:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 3: RF branching networks

Deals with methods of measurement for branching networks used in digital radio-relay systems.

Keel: en

Alusdokumendid: IEC 60835-2-3:1992; EN 60835-2-3:1993

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-4:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 4: Transmitter/receiver including modulator/demodulator

Deals with methods of measurement for transmitters including modulators, and receivers including demodulators, used in digital radio-relay systems. Measurements for adaptive equalizers are given in IEC 60835-2-8.

Keel: en

Alusdokumendid: IEC 60835-2-4:1993; EN 60835-2-4:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-4:2006/A1:2006

Amendment 1 - Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 4: Transmitter/receiver including modulator/demodulator

Deals with methods of measurement for transmitters including modulators, and receivers including demodulators, used in digital radio-relay systems. Measurements for adaptive equalizers are given in EN 60835-2-8.

Keel: en

Alusdokumendid: IEC 60835-2-4:1993/A1:1997; EN 60835-2-4:1995/A1:1997

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-5:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 5: Digital signal processing sub-system

Deals with the methods of measurement on a digital radio signal processing sub-system.

Keel: en

Alusdokumendid: IEC 60835-2-5:1993; EN 60835-2-5:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-6:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 6: Protection switching

This measurement methods for an N+1 switching configuration are also applicable to N+2 switching arrangements, to 1+1, twin-path and hot standby arrangements.

Keel: en
Alusdokumendid: IEC 60835-2-6:1995; EN 60835-2-6:1995
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-7:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 7: Diversity switching and combining equipment

This section of IEC 835-2 deals with measurements for diversity equipment used in digital microwave systems. For the purpose of this section, diversity equipment is assumed to consist of the circuits for switching and/or combining the diversity channels, excluding the channel equipment itself, i.e transmitters, receivers, modulators demodulators, etc. although these may also be involved in the measurements.

Keel: en
Alusdokumendid: IEC 60835-2-7:1994; EN 60835-2-7:1994
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-8:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 8: Adaptive equalizer

The measurements are intended to characterize the system equalizer in the presence of selective fading and may also be performed on systems without adaptive equalizers.

Keel: en
Alusdokumendid: IEC 60835-2-8:1993; EN 60835-2-8:1993
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-8:2006/A1:2006

Amendment 1 - Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 8: Adaptive equalizer

The measurements are intended to characterize the system equalizer in the presence of selective fading and may also be performed on systems without adaptive equalizers.

Keel: en
Alusdokumendid: IEC 60835-2-8:1993/A1:1996; EN 60835-2-8:1993/A1:1996
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-2-9:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 2: Measurements on terrestrial radio-relay systems - Section 9: Service channels

Deals with measurements pertaining to the service channels used in digital microwave radio-relay systems. Two basic methods are commonly used for the transmission of service channel signals (that is voice, supervisory and control signals).

Keel: en
Alusdokumendid: IEC 60835-2-9:1995; EN 60835-2-9:1995
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-1:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section one: General

Describes measurements for satellite earth stations. Should be used in conjunction with IEC 835-1-1.

Keel: en
Alusdokumendid: IEC 60835-3-1:1990; EN 60835-3-1:1992
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-10:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 10: Terminal equipment TDMA traffic earth station

Deals with methods of measurement on Time Division Multiple Access (TDMA) terminal equipment. There are various types of TDMA systems which may differ, for instance, in the bit rate, the frame/burst format, and/or the acquisition and synchronisation scheme. The methods of measurement are described as generally as possible so that they may be applicable to various TDMA terminal equipment used in many international and regional satellite systems.

Keel: en
Alusdokumendid: IEC 60835-3-10:1994; EN 60835-3-10:1994
Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-11:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 11: Service channel equipment for SCPC-PSK transmission

Deals with measurements carried out on service channel equipment utilizing SCPC-PSK (single-channel-per-carrier, phase-shift-keying) terminals. The measurements described are applicable to service channel equipment with voice interface.

Keel: en

Alusdokumendid: IEC 60835-3-11:1995; EN 60835-3-11:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-12:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 12: Overall system performance

Describes methods of measurement on overall system performances on satellite earth stations.

Keel: en

Alusdokumendid: IEC 60835-3-12:1993; EN 60835-3-12:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-13:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 13: VSAT systems

This section of IEC 835-3 deals with measurement methods applicable to very small aperture terminals (VSATs) of data transmit/receive type both in the star network (many VSATs controlled by the hub earth station) and in the point to point network. Some clauses may also be applicable to the receive-only type VSATs. This section does not handle the measurements of the hub earth stations' equipment.

Keel: en

Alusdokumendid: IEC 60835-3-13:1996; EN 60835-3-13:1996

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-14:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 14: Earth stations for satellite news gathering (SNG)

This section of IEC 835-3 deals with measurement methods applicable to satellite news gathering (SNG) terminals.

Keel: en

Alusdokumendid: IEC 60835-3-14:1996; EN 60835-3-14:1996

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-2:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 2: Antenna

Gives definitions and methods of measurement of the electrical characteristics of satellite earth-station antennas for frequencies above about 1 GHz. The methods are applicable to reflector type antennas for digital and analog signal transmission.

Keel: en

Alusdokumendid: IEC 60835-3-2:1995; EN 60835-3-2:1996

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-4:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 4: Low noise amplifier

Describes methods of measurement on low-noise amplifiers used in satellite earth stations.

Keel: en

Alusdokumendid: IEC 60835-3-4:1993; EN 60835-3-4:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-5:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 5: Up and down converters

This section of IEC 835-3 describes methods of measurement of the electrical characteristics of up-converters and down-converters used in satellite earth station transmitters and receivers with digital modulation.

Keel: en

Alusdokumendid: IEC 60835-3-5:1994; EN 60835-3-5:1994

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-6:2002

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 6: High power amplifiers

This section of IEC 835-3 defines and describes the measurements normally carried out on high-power amplifiers used in satellite earth station transmitters.

Keel: en

Alusdokumendid: IEC 60835-3-6:1996; EN 60835-3-6:1996

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-7:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 7: Figure-of-merit of receiving system

Describes several methods of measuring the figure-of-merit (G/T) of the receiving systems of earth stations.

Keel: en

Alusdokumendid: IEC 60835-3-7:1995; EN 60835-3-7:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

EVS-EN 60835-3-9:2006

Methods of measurement for equipment used in digital microwave radio transmission systems - Part 3: Measurements on satellite earth stations - Section 9: Terminal equipment SCPC-PSK

Deals with methods of measurement on single-channel-per-carrier, phase-shift-keying, (SCPC-PSK) terminal equipment utilizing PCM encoding. The SCPC-PSK terminal may be used in a pre-assigned mode or integrated in a demand assignment multiple access (DAMA) network.

Keel: en

Alusdokumendid: IEC 60835-3-9:1993; EN 60835-3-9:1995

Tühistamisküsitluse lõppkuupäev: 31.05.2023

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.

EN ISO 15083:2020/A11:2023

Väikelaevad. Pilsli pumbasüsteemid Small craft - Bilge-pumping systems

Eeldatav avaldamise aeg Eesti standardina 06.2023

EN 1999-1-1:2023

Eurocode 9 - Design of aluminium structures - Part 1-1: General rules

Eeldatav avaldamise aeg Eesti standardina 01.2025

EN 1999-1-2:2023

Eurocode 9 - Design of aluminium structures - Part 1-2: Structural fire design

Eeldatav avaldamise aeg Eesti standardina 01.2025

EN 1999-1-3:2023

Eurocode 9 - Design of aluminium structures - Part 1-3: Structures susceptible to fatigue

Eeldatav avaldamise aeg Eesti standardina 01.2025

EN 1999-1-4:2023

Eurocode 9 - Design of aluminium structures - Part 1-4: Cold-formed structural sheeting

Eeldatav avaldamise aeg Eesti standardina 01.2025

EN 1999-1-5:2023

Eurocode 9 - Design of aluminium structures - Part 1-5: Shell structures

Eeldatav avaldamise aeg Eesti standardina 01.2025

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 860-5:2023

Tehniliste paigaldiste termiline isoleerimine. Osa 5: Torustike, mahutite ja seadmete isoleerimine. Isolatsiooni paksuse määramine

Thermal insulation of technical equipment - Part 5: Insulation of pipes, vessels and equipment. Dimensioning

See standard on osa EVS 860 standardisarjast, mis on koostatud tehniliste paigaldiste isolatsiooni valdkonnaga kokkupuutuvatele ettevõtetele ja eraisikutele, kes teostavad isolatsioonitöid ja isoleerimiseks vajalikke eeltöid, tellijatele, projekteerijatele, seadmete ja torustike valmistajatele ning isolatsioonimaterjalide tarnijatele. Standardisari sobib kasutamiseks ka üldehituses, nii era- kui ka riigisektoris. See standard käsitleb torustike, mahutite ja seadmete soojus- ja külmaisolatsiooni isolatsiooni paksuse määramist, sisaldades isolatsiooni paksuste tabeleid.

EVS-EN 13084-9:2022

Konstruktiivselt iseseisvad korstnad. Osa 9: Kasutusaegne haldus. Järelevalve, ülevaatus, hooldus, parandus ja aruandlus: nõutavad tegevused ja meetmed

Free-standing chimneys - Part 9: Lifetime management - Monitoring, inspection, maintenance, remedial and reporting; Operations and actions required

See dokument sisaldab kasutusaegse halduse üldnõudeid ja põhikriteeriumeid igat liiki konstruktiivselt iseseisvate korstende puhul, hõlmates järelevalvet, ülevaatus, hooldust, remonti, aruandlust ning vajalikke meetmeid ja protseduure. See dokument kehtib kõigile EN 13084 sarja alla kuuluvatele tuulekaitseintele, ühekordsetele korstendele, tornidele, mastidele ja vooderdistele. Kasutusaegne haldus võtab arvesse konstruktiivselt iseseisvate korstende algupärast ehitus- ja tööprojekti töötingimustes ja muid meetmeid kinnitamaks, et mehaaniline vastupidavus ja stabiilsus ning kasutusohutus on jätkuvalt kavandatud tasemel, nagu oli eeldatud ja/või kohandatud muutuste kohaselt konstruktsiooni ja/või seda ümbritseva keskkonna käitamisele kehtestatud nõuetes. MÄRKUS EN 13084 sarja muudes osades tuuakse välja reeglid, mille kohaselt saab kasutada korstnatooted standardi EN 1443 (ja seotud tootestandardite) kohaselt konstruktiivselt iseseisvate korstende puhul.

EVS-EN 62920:2017+A11+A1:2021

Fotoelektrilised toitevõimsuse genereerimissüsteemid. Toitemuunduriseadmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid

Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment (IEC 62920:2017 + IEC 62920:2017/A1:2021)

See dokument määratleb elektromagnetilise ühilduvuse (EMÜ) nõuded toitemuunduriseadmetele (TMS) (nt AV-AV, AV-VV ja VV-AV), mis on ette nähtud kasutamiseks fotoelektrilistes (FE) toitesüsteemides koos AV-sidestusega elektrienergia salvestusseadmetega või ilma nendeta. Selles dokumendis kaetud TMS võib olla võrguga vastastiktoimeline, mis on terminina tuntud kui „võrguga sünkroniseeritud toitemuundur (VSTM)“, või eraldiseisev. Seda võib toita ühest või mitmest fotoelektrilisest moodulist, grupeerituna erinevates maatriks-konfiguratsioonides, ja võib olla ette nähtud kasutamiseks koostöös akudega või muul kujul energiasalvestitega. MÄRKUS Mikroinverteri näiteks on VSTM, mida toidetakse ühest fotoelektrilisest moodulist. See dokument ei kata üksnes TMS-id, millised on ühendatud avalikku madalpinge VV-võrku või muusse madalpingelisse avalikku VV-võrgu paigaldisse, aga ka kesk- või kõrgepinge VV-võrku ühendatavad TMS-id koos pinget alandava toitetrafo või ilma selleta. Selles dokumendis on määratletud nõuded kesk- või kõrgepinge VV-võrku ühendatavale TMS-ile. Siiski, mõned võrguga ühendamise seisukohast olulised nõuded on kajastatud teistes, elektritoite kvaliteeti või mõnede riikide endi võrgueeskirju määratlevates standardites. MÄRKUS FE süsteemides kasutatavaid AV-AV muundureid selles dokumendis ei käsitleta. Need võivad tuua kaasa elektromagnetilist häirumist, tingituna AV sidendite juhtivuslikest häiringutest. TMS-i hinnatakse EMÜ nõuetega tüübikatsetusena katsetuskohas. Selles dokumendis esitatakse TMS-i katsetusmeetodid ja katsetuste tingimused, samuti nõuded emissioonile ja häiringutaluvusele, kuid mitte fotoelektrilistele moodulitele ega muudele fotoelektrilise süsteemi ülesehituses hõlmatud komponentidele. Kui katsetuskoha tehniliste tingimuste tõttu ei ole katsetuskohas võimalik näidata vastavust EMÜ nõuetele, võib TMS-i hinnata kasutusasukohas, näiteks tootja valdustes või väljal, kus TMS liidetakse fotoelektrilisse toitesüsteemi. Siiski, kasutusasukohas hindamiseks on dokumendis CISPR 11 määratletud vaid nõuded kõrgsageduslikule emissioonile.

EVS-EN IEC 61547:2023

Üldvalgustusseadmed. Elektromagnetilise ühilduvuse häiringutaluvusnõuded

Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2020)

See elektromagnetilise häiringutaluvuse nõudeid määratlev IEC 61547 osa kohaldub valgustusseadmetele, mis kuuluvad IEC tehnilise komitee 34 käsitluslasse, sealhulgas valgusallikatele, valgustitele ja moodulitele. Selle dokumendi käsitlusalast on välja jäetud — komponendid ja moodulid, mis on ette nähtud valgustusseadmesse sisse ehitamiseks ja pole lõppkasutaja poolt asendatavad; — seadmed, millele on elektromagnetilise ühilduvuse nõuded raadiosageduslikus vahemikus määratletud põhjalikult teiste toodete häiringutaluvuse standardites, isegi kui need sisaldavad sisseehitatud valgustusfunktsiooni. MÄRKUS Näited väljajäetud seadmetest on — seadmed, millesse on sisse ehitatud taustvalguse, skaalavalguse ja signaalvalguse jaoks mõeldud valgustusseadised; — tahkis-valgusekraanid; — õhupuhastid, külmikud, sügavkülmikud; — koopiamašinasid, projektorid; — püsipaigaldiste elektronilülitid; — liiklusvahendite valgustusseadmed (CISPR 12 käsitlusalas); — õhusõidukite ja

lennuväljarajatiste valgustusseadmed. Seevastu mitmeotstarbeliste seadmete korral, millel valgustusfunktsioon töötab sõltumata teistest funktsioonidest, tuleb selle dokumendi elektromagnetilise ühilduvuse nõudeid kohaldada üksnes valgustusfunktsioonile. Juhtmevaba kaugjuhtimisfunktsiooniga valgustusseadmed kuuluvad samuti selle dokumendi käsitlusalas. Katsetused piirduvad siiski ainult valgustusfunktsiooni kontrollimisega. Raadio valdkonda kuuluvaid nähtusi, nagu sageduse stabiilsus või parasiitkiirgused, ei kontrollita. NÄIDE Värvsuse ja/või valgustugevuse juhtimine juhtmevaba liidese kaudu peab pärast häiringutaluvuskatsetust jääma algsel viisil toimivaks. Selle dokumendi käsitlusalasse kuulub ka valgustusseade, mis ühildub süsteemide või paigaldistega, välja arvatud ühendus tavalise toitevõrguga. Selle dokumendi nõuded põhinevad standardis IEC 61000-6-1:2016 sätestatud nõuetel kodu-, kaubandus- ja väiketööstuskeskonna jaoks, kuid on kohandatud valgustusvaldkonna jaoks. Võib eeldada, et valgustusseadmed, mis täidavad selle dokumendi nõudeid, töötavad rahuldavalt ka teistes keskkondades. Mõningatel erijuhtudel võib võtta kasutusele meetmeid, et tagada kõrgendatud häiringutaluvus. Selles dokumendis ei ole mõistlik hakata käsitlema kõiki neid võimalusi. Sellised nõuded saab kehtestada tarnija ja ostja vahelises lepingus.

EVS-EN ISO 7704:2023

Vee kvaliteet. Nõuded külvipõhiste meetoditega mikroorganismide otseseks loendamiseks kasutatavate membraanfiltrite toimivuse kontrollimiseks

Water quality - Requirements for the performance testing of membrane filters used for direct enumeration of microorganisms by culture methods (ISO 7704:2023)

Selles dokumendis määratakse kindlaks nõuded filtrile kinni jäämiseks kasutatavate membraanfiltrite toimivuse kontrolliks, millele järgneb mikroorganismide otsene loendamine kultiveerimismeetoditega. See dokument kehtib membraanfiltrite kohta, mida kasutatakse filtrile kinni jäämiseks, millele järgneb konkreetsete mikroorganismide otsene loendamine tahkel söötmel või muudel söötmeid sisaldavatel seadmetel, nagu absorbeerivad padjad [19]. See dokument ei kehti kontsentreerimiseks ja elueerimiseks kasutatavate membraanfiltrite ega kvalitatiivsete meetodite kohta. Need kontrollid kehtivad membraanfiltrite kohta, mis on ette nähtud erinevat tüüpi vee mikrobioloogiliseks analüüsiks, näiteks — joogivesi, pudelivesi ja muud tüüpi vesi, milles on eeldatavasti väike arv mikroorganisme; — vesi, milles on eeldatavasti suurem arv mikroorganisme, näiteks pinnavesi ja töödeldud vesi. Need kontrollid on mõeldud selleks, et demonstreerida kogu süsteemi (membraanfilter koos söötme, sealhulgas filtreerimisetaapiga) sobivust, mida on vaja konkreetseteks katseteks, mis on kirjeldatud viidetes [3], [6], [8], [10], [12] ja [13]. See dokument rakendub — membraanfiltrite tootjatele; — mikrobioloogia laboritele, mis kasutavad oma katsetes membraanfiltrite või annavad neid teistele lõppkasutajatele.

EVS-EN ISO 8655-1:2022

Kolbmahumõõtevahendid. Osa 1: Terminoloogia, üldnõuded ja soovitusel kasutajale Piston-operated volumetric apparatus - Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2022)

Selles dokumendis määratletakse üldnõuded kolbmahumõõtevahenditele (ingl piston-operated volumetric apparatus, POVA). Seda saab kasutada pipettide, bürettide, lahjendajate, dosaatorite ja käsitsi juhitavate täppislaborisüstalde jaoks. Lisaks määratleb see kolbmahumõõtevahendite kasutamise tingimused ja annab kasutajatele soovitusi. See dokument ei kehti inimestel kasutamiseks mõeldud meditsiinivahendite, nt meditsiiniliste süstalde kohta.

EVS-EN ISO 8655-3:2022

Kolbmahumõõtevahendid. Osa 3: Büretid Piston-operated volumetric apparatus - Part 3: Burettes (ISO 8655-3:2022)

Selles dokumendis määratletakse — metrooloogilised nõuded, — maksimaalselt lubatavad hälbed, — nõuded märgistamisele ja — kasutajatele edastatav teave bürettidele. See dokument on rakendatav bürettidele, mille nimimaht on kuni 100 ml, mis on ette nähtud valitud mahu väljastamiseks (Ex).

EVS-EN ISO 8655-5:2022

Kolbmahumõõtevahendid. Osa 5: Dosaatorid Piston-operated volumetric apparatus - Part 5: Dispensers (ISO 8655-5:2022)

Selles dokumendis määratletakse — metrooloogilised nõuded, — maksimaalselt lubatavad hälbed, — nõuded märgistamisele ja — kasutajatele edastatav teave dosaatoritele. See dokument on rakendatav dosaatoritele, mille nimimaht on 1 µl kuni 200 ml, mis on ette nähtud valitud mahu väljastamiseks (Ex).

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.

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN 62920:2017	Fotoelektrilised genereerimissüsteemid. Elektriliste muundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid	Fotoelektrilised toitevõimsuse genereerimissüsteemid. Toitemuundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid
EVS-EN 62920:2017/A1:2021	Fotoelektrilised genereerimissüsteemid. Elektriliste muundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid	Fotoelektrilised toitevõimsuse genereerimissüsteemid. Toitemuundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid
EVS-EN 62920:2017/A11:2020	Fotoelektrilised genereerimissüsteemid. Elektriliste muundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid	Fotoelektrilised toitevõimsuse genereerimissüsteemid. Toitemuundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid
EVS-EN 62920:2017+A11+A1:2021	Fotoelektrilised genereerimissüsteemid. Elektriliste muundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid	Fotoelektrilised toitevõimsuse genereerimissüsteemid. Toitemuundurseedmete elektromagnetilise ühilduvuse nõuded ja katsetusmeetodid

UUED EESTIKEELSE PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 13084-9:2022	Free-standing chimneys - Part 9: Lifetime management - Monitoring, inspection, maintenance, remedial and reporting; Operations and actions required	Konstruktiivselt iseseisvad korstnad. Osa 9: Kasutusaegne haldus. Järelevalve, ülevaatus, hooldus, parandus ja aruandlus: nõutavad tegevused ja meetmed
EVS-EN ISO 8655-1:2022	Piston-operated volumetric apparatus - Part 1: Terminology, general requirements and user recommendations (ISO 8655-1:2022)	Kolbmahumõõtevahendid. Osa 1: Terminoloogia, üldnõuded ja soovitusel kasutajale
EVS-EN ISO 8655-3:2022	Piston-operated volumetric apparatus - Part 3: Burettes (ISO 8655-3:2022)	Kolbmahumõõtevahendid. Osa 3: Büretid
EVS-EN ISO 8655-5:2022	Piston-operated volumetric apparatus - Part 5: Dispensers (ISO 8655-5:2022)	Kolbmahumõõtevahendid. Osa 5: Dosaatorid