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Izvlečki iz novih slovenskih nacionalnih standardov v angleškem jeziku

SIST/TC AVM Avdio, video in večpredstavitveni sistemi ter njihova oprema

SIST EN IEC 60728-101-1:2024 2024-04

(en;fr;de) 72 str. (L)

Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve - 101-1. del: RF-okablenje za dvosmerna domača omrežja z obremenitvami popolnoma digitaliziranih kanalov (IEC 60728-101-1:2023)

Cable networks for television signals, sound signals and interactive services - Part 101-1: RF cabling for two-way home networks with all-digital channels load (IEC 60728-101-1:2023)

Osnova: EN IEC 60728-101-1:2023 ICS: 33.160.01, 33.040.20

(po)

IEC 60728-101-1:2023 provides the requirements and describes the implementation guidelines of RF cabling for two-way home networks; it is applicable to any home network that distributes signals provided by CATV/MATV/SMATV cable networks (including individual receiving systems) having a coaxial cable output. It is also applicable to home networks where some part of the distribution network uses wireless links, for example in place of the receiver cord.

This part of IEC 60728 is therefore applicable to RF cabling for two-way home networks with wired cords or wireless links inside a room and primarily intended for television and sound signals operating between about 5 MHz and 3 300 MHz. The frequency range is extended to 6 000 MHz for distribution techniques that replace wired cords with a wireless two-way communication inside a room (or a small number of adjacent rooms) that uses the 5 GHz to 6 GHz band.

In a building divided into apartment blocks, the distribution of the signals inside the home starts from the home network interface (HNI) up to the system outlet or terminal input. The requirements at the system outlet are given in IEC 60728-101:2016, Clause 5 and the requirements at the HNI are given in IEC 60728-101:2016, Clause 7. In Clause 5 of this document, additional requirements are given.

This document deals with various possibilities to distribute signals in a home network, using coaxial cables, balanced pair cables, fibre optic cables (glass or plastic) and also wireless links inside a room (or a small number of adjacent rooms) to replace wired cords.

This document gives references to basic methods of measurement of the operational characteristics of the home cable network in order to assess its performance.

All requirements refer to the performance limits, which are obtained between the input(s) at the home network interface (HNI) and the output at any system outlet when terminated in a resistance equal to the nominal load impedance of the system, unless otherwise specified. Where system outlets are not used, the above applies to the terminal input.

The present document also provides limits for the accumulation of degradations if the home network is subdivided into a number of parts, using different transmission media (e.g. coaxial cabling, balanced cabling, optical cabling, wireless links).

Clause 5 defines the performance limits measured at system outlet or terminal input for an unimpaired (ideal) test signal applied at the HNI. Under normal operating conditions for any digital channel and meeting these limits, the cumulative effect of the impairment of any single parameter at the HNI and that due to the home network produces signals not worse than the requirements given in IEC 60728-101-2. For digitally modulated signals, the quality requirement is a QEF (quasi error-free) reception.

This document describes the physical layer connection for home networks. Description of protocols required for layer 2 and higher layers is out of the scope of this document. Logical connections between devices within the home network are therefore not always guaranteed.

This International Standard is to be used in conjunction with IEC 60728-101:2016.

SIST EN IEC 60728-101-2:2024

2024-04 (po) (en;fr;de)

31 str. (G)

Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve - 101-2. del: Zahteve za zmogljivost za signale na izhodu sistema pri delovanju pod obremenitvijo vseh digitalnih kanalov (IEC 60728-101-2:2023)

Cable networks for television signals, sound signals and interactive services - Part 101-2: Performance requirements for signals delivered at the system outlet in operation with all-digital channels load (IEC 60728-101-2:2023)

Osnova:EN IEC 60728-101-2:2023ICS:33.160.01, 33.040.20

IEC 60728-101-2:2023 provides the minimum performance requirements to be fulfilled in operation at the system outlet or terminal input and describes the summation criteria for the impairments present in the received signals and those produced by the CATV/MATV/SMATV cable network, including individual receiving systems.

In a building divided into apartment blocks, the signals received by the antennas are distributed by the MATV/SMATV cable network up to the home network interface (HNI); the television signals are then distributed (inside the home) by home networks (HN) of various types up to the system outlet or terminal input. The cable network can support two-way operation, from the system outlet (or terminal input) towards the headend.

The home network can use coaxial cables, balanced pair cables, fibre optic cables (glass or plastic) and also wireless links inside a room (or a small number of adjacent rooms) to replace wired cords.

This part of IEC 60728 is limited to downstream TV broadcast signals received from antennas and is applicable to cable networks intended for television signals, sound signals and interactive services operating between about 5 MHz and 3 300 MHz. The frequency range is extended to 6 000 MHz for home distribution techniques that replace wired cords with a wireless two-way communication inside a room (or a small number of adjacent rooms) that uses the 5 GHz to 6 GHz frequency band.

The main sections of a general CATV/MATV/SMATV system, indicating the parts of the IEC 60728-101 series documents where the relevant performance requirements are indicated.

- The requirements for the signals received at the headend are given in IEC 60728-101:2016, Clause 6.

- The requirements for the CATV/MATV/SMATV cable network, assuming an unimpaired input signal at the input of the headend, up to the system outlet are given in IEC 60728-101:2016, Clause 5.

- The requirements for the CATV/MATV/SMATV cable network up to the home network interface (HNI) are given in IEC 60728-101:2016, Clause 7, assuming an unimpaired input signal at the input of the headend.

- The specific requirements from HNI to the system outlet or terminal input are given in IEC 60728-101-1:2023, Clause 5, assuming an unimpaired input signal at the HNI.

- The requirements at the system outlet in operation are given in Clause 6 of this document.

The expression "in operation" means that the received signals, with their impairments, are applied to the headend input of the CATV/MATV/SMATV cable network. The requirements at the system outlet "in operation" are derived, therefore, by summing the impairments of the various cascaded parts of the system and of the input signal.

When a change of signal format from digital to digital (e.g. from QPSK to QAM) (e.g. as in ETSI EN 300 473) or from digital to analogue (e.g. from DVB-S/S2 to AM-VSB or DVB-T/T2 to AM-VSB) is made at the headend, the summation of the impairments that produce a relaxation of requirements at system outlet does not apply. Such a case will be the equivalence of unimpaired signals applied at the headend input. Therefore, the requirements at system outlet given in IEC 60728-1 apply.

This document also provides references for the basic methods of measurement of the operational characteristics of the downstream cable network in order to assess its performance.

All requirements refer to the performance limits to be achieved in operation at any system outlet when terminated in a resistance equal to the nominal load impedance of the system, unless otherwise specified.

SIST EN IEC 60728-106:2024

2024-04 (po) (en;fr;de) 51 str. (J)

Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve - 106. del: Optična oprema za sisteme z obremenitvami izključno digitaliziranih kanalov (IEC 60728-106:2023) Cable networks for television signals, sound signals and interactive services - Part 106: Optical equipment for systems loaded with digital channels only (IEC 60728-106:2023)

Osnova: EN IEC 60728-106:2023 ICS: 33.060.40

IEC 60728-106:2023 lays down the measuring methods, performance requirements and data publication requirements of optical equipment of cable networks for television signals, sound signals and interactive services loaded with digital channels only.

This document

• applies to all optical transmitters, receivers, amplifiers, directional couplers, isolators, multiplexing devices, connectors and splices used in cable networks;

• covers the frequency range 5 MHz to 3 300 MHz;

· identifies guaranteed performance requirements for certain parameters;

· lays down data publication requirements with guaranteed performance;

• describes methods of measurement for compliance testing.

All requirements and published data relate to minimum performance levels within the specified frequency range and in well-matched conditions as might be applicable to cable networks for television signals, sound signals and interactive services.

SIST EN IEC 60728-113:2024

2024-04(po)(en;fr;de)107 str. (N)Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve - 113. del: Optični sistemiza razpršeno oddajanje signalov z obremenitvami izključno digitaliziranih kanalov (IEC 60728-

113:2023)

Cable networks for television signals, sound signals and interactive services - Part 113: Optical systemsfor broadcast signal transmissions loaded with digital channels only (IEC 60728-113:2023)Osnova:EN IEC 60728-113:2023ICS:33.060.40

IEC 60728-113:2023 is applicable to optical transmission systems for broadcast signal transmission that consist of headend equipment, optical transmission lines, in-house wirings and system outlets. These systems are primarily intended for television and sound signals using digital transmission technology. This document specifies the basic system parameters and methods of measurement for optical distribution systems between headend equipment and system outlets in order to assess the system performance and its performance limits.

In this document, the upper signal frequency is limited to about 3 300 MHz.

The purpose of this part of IEC 60728 is to describe the system specifications of FTTH (fibre to the home) networks for digitally modulated broadcast signal transmission. This document is also applicable to broadcast signal transmission using a telecommunication network if it satisfies the performance of the optical portion of the system defined in this document. This document describes RF transmission for fully digitalized broadcast and narrowcast (limited area distribution of broadcast) signals over FTTH, and introduces the xPON system as a physical layer media. The detailed description of the physical layer is out of scope of this document. The scope is limited to downstream RF video signal transmission over FTTH; IP transport technologies, such as IP Multicast and associate protocols, which require a two-way optical transmission system, are out of scope of this document.

Some interference effects occurring between the telecommunication system and the broadcast system are addressed in Clause 7.

IEC 60728-113:2023 cancels and replaces the first edition published in 2018 and IEC 60728-13-1:2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) IEC 60728-13-1, which deals with the bandwidth expansion for broadcast signal over FTTH systems, has been merged with this document;

b) a table containing the digital signal level at the system outlet has been added.

SIST EN IEC 63474:2024

2024-04 (po) (en;fr;de) 26 str. (F)

Električna in elektronska gospodinjska in pisarniška oprema - Merjenje porabe električne energije v stanju omrežne pripravljenosti na robu omrežja (IEC 63474:2023)

Electrical and electronic household and office equipment - Measurement of networked standby power consumption of edge equipment (IEC 63474:2023)

Osnova: EN IEC 63474:2023

ICS: 35.020, 33.160.01, 97.030, 17.220.20

IEC 63474:2023 specifies methods of measurement of electrical power consumption in networked standby and the reporting of the results for edge equipment.

Power consumption in standby (other than networked standby) is covered by EN 50564, including the input voltage range.

This document also provides a method to test power management and to test whether it is possible to deactivate wireless network connection(s).

This document does not apply to the measurement of electrical power consumption in networked standby for interconnecting equipment.

SIST/TC EMC Elektromagnetna združljivost

| SIST-V CLC Guide 34:2024 | | | SIST-V CLC Guide 24:2010 | |
|--------------------------|------------------|-----------------|-----------------------------------|-----|
| | | | SIST-V CLC Guide 25:2010 | |
| 2024-04 | (ро) | (en) | 40 str. (H) | |
| Vodilo za prip | oravo in uporab | oo harmoniziran | ih in neharmoniziranih standardov | EMC |
| Guide to the c | Irafting and use | e of harmonized | and non-harmonized EMC standar | ds |
| Osnova: | CLC Gui | de 34:2024 | | |
| ICS: | 33.100.0 | 01,01.120 | | |

This CENELEC Guide establishes useful guidelines for the preparation and use of standards in the field of electromagnetic compatibility (EMC) in general, and in particular for the implementation of the EMC Directive and the Radio Equipment Directive (RED). This Guide is intended to be used by Technical Committees.

The purpose of this guide is to give advice on:

- the preparation of dedicated Product and Product Family Standards;

- the application of EMC Standards.

Certification aspects are not covered by this Guide.

NOTE Certification is the action by a third party demonstrating that adequate confidence is provided that a duly identified product, process or service is in conformity with a standard or with other normative documents.

SIST/TC EPR Električni pribor

SIST EN IEC 60669-2-1:2023/AC:2024

2024-04 (po) (en;fr;de) 1 str. (AC)

Stikala za gospodinjstva in podobne nepremične električne inštalacije - 2-1. del: Posebne zahteve - Elektronske kontrolne naprave

Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic control devices

Osnova: EN IEC 60669-2-1:2022/AC:2024-01 ICS: 97.120, 29.120.40

Popravek k standardu SIST EN IEC 60669-2-1:2023

This part of IEC 60669 applies to electronic control devices, a general term to cover electronic switches, home and building electronic systems (HBES) / building automation and control systems (BACS) switches and electronic extension units.

It applies to electronic switches and to HBES/BACS switches, for alternating current (AC) only with a rated switching voltage not exceeding 250 V and a rated current not exceeding 16 A, intended for household and similar fixed electrical installations, either indoors or outdoors.

It also applies to electronic extension units with a rated supply voltage not exceeding 250 V AC and 120 V DC, such as sensors and push buttons.

This document also applies to electronic remote control switches (RCS) and electronic time delay switches (TDS). Particular requirements are given in Annex FF.

Switches including only passive components such as resistors, capacitors, inductors, positive temperature coefficient (PTC) and negative temperature coefficient (NTC) components, varistors, printed wiring boards and connectors are not considered as electronic control devices.

This document also applies to electronic switches and HBES/BACS switches for the operation of lighting equipment circuits and the control of the brightness of lighting equipment (dimmers) as well as the control of the speed of motors (for example, those used in ventilating fans) and for other purposes (for example, heating controls).

The operation and/or control as mentioned above can be transmitted by an electronic signal via several media, for example, powerline (mains), twisted pair, optical fibre, radio frequency, infrared, etc. and are performed:

- intentionally by a person via an actuating member, a key, a card, etc., via a sensing

surface or a sensing unit, by means of touch, proximity, turn, optical, acoustic, thermal;

- by physical means, for example, light, temperature, humidity, time, wind velocity, presence of people; - by any other influence.

This document also applies to electronic control devices which include integrated radio receivers and transmitters.

This document covers only those requirements for mounting boxes which are necessary for the tests on the electronic control devices.

Requirements for general purpose mounting boxes are given in the relevant part, if any, of IEC 60670.

This document is not intended to cover devices falling within the scope of IEC 60730 (all parts).

Electronic control devices complying with this document are suitable for use at ambient temperature not normally exceeding 25 °C but occasionally reaching 35 °C with a lower limit of the ambient air temperature of -5 °C.

NOTE 1 For lower temperatures, see Annex E.

Functional safety aspects are not covered by this document. Functional safety requirements are covered by the standards of the controlled devices.

In locations where special conditions prevail, such as in ships, vehicles and the like and in hazardous locations, for example where explosions are liable to occur, special construction and/or additional requirements may be required.

This document is not intended to cover devices which are designed to be incorporated in appliances or are intended to be delivered together with a specific appliance and which are within the scope of IEC 60730 (all parts) or IEC 61058-1.

Examples of designs of electronic switches and HBES/BACS switches and functions are shown in Annex AA.

Additional requirements for electronic control devices using DLT-technology in accordance with IEC 62756-1 are given in Annex CC.

SIST/TC EVA Električne varovalke

SIST EN 60269-6:2011/A1:2024

2024-04 (po) (en;fr;de) 22 str. (F)

Nizkonapetostne varovalke - 6. del: Dopolnilne zahteve za taljive vložke za zaščito sončnihfotonapetostnih energijskih sistemov - Dodatek A1 (IEC 60269-6:2010/A1:2021 + COR1:2021)Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solarphotovoltaic energy systems (IEC 60269-6:2010/A1:2021 + COR1:2021)Osnova:EN 60269-6:2011/A1:2023ICS:29.120.50

Amandma A1:2024 je dodatek k standardu SIST EN 60269-6:2011.

These supplementary requirements apply to fuse-links for protecting PV strings and PV arrays in equipment for circuits of nominal voltages up to 1 500 V d.c.

Their rated voltage may be up to 1 500 V d.c.

NOTE 1 Such fuse-links are commonly referred to as "PV fuse-links".

NOTE 2 In most cases, a part of the associated equipment serves the purpose of a fuse-base. Owing to the great variety of equipment, no general rules can be given; the suitability of the associated equipment to serve as a fusebase

should be subject to agreement between the manufacturer and the user. However, if separate fusebases or fuse-holders are used, they should comply with the appropriate requirements of IEC 60269 series.

NOTE 3 PV fuse-links protect down stream inverter components such as capacitors or the discharge of capacitors back into the arrays or array wiring up to the rated breaking capacity.

The object of these supplementary requirements is to establish the characteristics of PV fuselinks in such a way that they can be replaced by other fuse-links having the same characteristics, provided that their dimensions are identical. For this purpose, this standard refers in particular to

a) the following characteristics of fuses:

1) their rated values;

their utilisation category;

3) their temperature rises in normal service;

4) their power dissipation;

4) their time-current characteristics;

6) their breaking capacity;

7) their dimensions or size (if applicable).

b) type tests for verification of the characteristics of fuses;

c) the markings on fuses.

SIST EN IEC 60691:2024

2024-04 (po)

50 str. (I)

Termični taljivi vložki - Zahteve in navodilo za uporabo (IEC 60691:2023)Thermal-links - Requirements and application guide (IEC 60691:2023)Osnova:EN IEC 60691:2023ICS:29.120.50

(en;fr;de)

This International Standard is applicable to thermal-links intended for incorporation in electrical appliances, electronic equipment and component parts thereof, normally intended for use indoors, in order to protect them against excessive temperatures under abnormal conditions.

NOTE 1 The equipment is not designed to generate heat.

NOTE 2 The effectiveness of the protection against excessive temperatures logically depends upon the position and method of mounting of the thermal-link, as well as upon the current which it is carrying.

This document may be applicable to thermal-links for use under conditions other than indoors, provided that the climatic and other circumstances in the immediate surroundings of such thermal-links are comparable with those in this standard.

This document may be applicable to thermal-links in their simplest forms (e.g. melting strips or wires), provided that molten materials expelled during function cannot adversely interfere with the safe use of the equipment, especially in the case of hand-held or portable equipment, irrespective of its position.

Annex H of this document is applicable to thermal-link packaged assemblies where the thermallink(s) has already been approved to this standard but packaged in a metallic or non-metallic housing and provided with terminals/wiring leads.

This document is applicable to thermal-links with a rated voltage not exceeding 690 V AC or DC and a rated current not exceeding 63 A.

The objectives of this document are:

a) to establish uniform requirements for thermal-links,

b) to define methods of test, and

c) to provide useful information for the application of thermal-links in equipment.

This document is not applicable to thermal-links used under extreme conditions such as corrosive or explosive atmospheres.

This document is not applicable to thermal-links to be used in circuits on AC with a frequency lower than 45 Hz or higher than 62 Hz.

SIST/TC EXP Električni aparati za eksplozivne atmosfere

SIST EN IEC 60079-17:2024

2024-04 (po) (en;fr;de)

49 str. (I)

Eksplozivne atmosfere - 17. del: Pregledovanje in vzdrževanje električnih inštalacij (IEC 60079-17:2023)

Explosive atmospheres - Part 17: Electrical installations inspection and maintenance (IEC 60079-17:2023)

Osnova: EN IEC 60079-17:2024 ICS: 91.140.50, 29.260.20

This part of the IEC 60079 series applies to users and covers only those factors directly related to the inspection and maintenance of electrical installations specifically designed for hazardous areas, where the hazard may be caused by explosive gas or explosive dust atmospheres.

It does not include:

- other fundamental installation and inspection requirements for electrical installations;

- the verification of electrical equipment;

- protection or ventilation of rooms;

- gas detection systems;

- the repair and overhaul of explosion protected equipment (see IEC 60079-19).

While this standard does not include inspection of safety devices such as used in ventilated rooms (see 60079-13), this standard does include the requirements for inspection and maintenance of individual items of equipment that will be part of such systems, for example motors or sensors.

This standard supplements the requirements for inspection and testing in non-hazardous areas in IEC 60364-6.

NOTE 1 Standards applied at the date of installation might not have been IEC standards.

This standard is intended to be applied where there can be a risk due to the presence of explosive gas or dust mixtures with air or combustible dust layers under normal atmospheric conditions. It does not apply to:

- underground mining areas,

- dusts of explosives,

- pyrophoric substances.

SIST/TC FGA Funkcionalnost gospodinjskih aparatov

SIST EN IEC 63086-2-1:2024

2024-04(po)(en)38 str. (H)Gospodinjski in podobni električni aparati za čiščenje zraka - Metode za merjenje učinkovitost
delovanja - 2-1. del: Posebne zahteve za določitev zmanjšanja delcev (IEC 63086-2-1:2024)
Household and similar electrical air cleaning appliances - Methods for measuring the performance -
Part 2-1: Particular requirements for determination of reduction of particles (IEC 63086-2-1:2024)
Osnova:
EN IEC 63086-2-1:2024
ICS:EN IEC 63086-2-1:2024
97.030, 23.120

This part of IEC 63086 specifies test methods for measuring the performance of electrically powered household and similar air cleaners intended for the reduction of particulate pollutants. NOTE The limits of measurability for the CADR are described in Annex A.

SIST/TC IBLP Barve, laki in premazi

SIST EN ISO 20567-4:20242024-04(po)(en;fr;de)19 str. (E)Barve in laki - Določanje odpornosti premazov proti udarcem kamenja - 4. del: Mobilni preskus z več
udarci na majhni preskusni površini (ISO 20567-4:2023)Paints and varnishes - Determination of stone-chip resistance of coatings - Part 4: Mobile multi-impact
testing on a small testing area (ISO 20567-4:2023)Osnova:EN ISO 20567-4:2024
ICS:87.040

This document specifies a mobile method for evaluating the resistance of automotive finishes to chilled-iron grit projected onto the surface under test to simulate the effect of stone chipping. Results from the test specified in this document are not comparable with results specified in ISO 20567-1.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN IEC 61676:2023/AC:2024

2024-04(po)(en,fr)3 str. (AC)Medicinska električna oprema - Dozimetrijska oprema za posredno merjenje napetosti rentgenske
elektronke v diagnostični radiologiji - Popravek AC (IEC 61676:2023/COR1:2024)Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of x-ray tube
voltage in diagnostic radiology (IEC 61676:2023/COR1:2024)Osnova:EN IEC 61676:2023/AC:2024-02ICS:17.240, 11.040.55, 11.040.50

Popravek k standardu SIST EN IEC 61676:2023.

This document specifies the performance requirements of instruments as used in the NON - INVASIVE MEASUREMENT of X- RAY TUBE VOLTAGE up to 150 kV and the relevant compliance tests. This document also describes the method for CALIBRATION and gives guidance for estimating the

uncertainty in measurements performed under conditions different from those during CALIBRATION . Applications for such measurement are found in diagnostic RADIOLOGY including mammography, COMPUTED TOMOGRAPHY (CT), dental radiology and RADIOSCOPY . This document is not concerned with the safety aspect of such instruments. The requirements for electrical safety applying to them are contained in IEC 61010-1.

SIST/TC IFEK Železne kovine

SIST-TP CEN/TR 18048:2024

2024-04 (po) (en;fr;de) 9 str. (C)

Metode določanja mehanskih lastnosti samolepilnih premaznih sklopov, povezanih z neorientiranimi električnimi jekli

Methods of determination of the mechanical properties of self-bonding coating assemblies related to non-oriented electrical steels

Osnova: CEN/TR 18048:2024 ICS: 77.140.50

This document describes the mechanical testing methods, relevant for self-bonding coating assemblies with non-oriented electrical steels. In particular, it describes the mechanical testing methods, sample preparation, calibration methods, necessary to obtain reliable results that can be considered a reference for quality evaluation.

This document applies only to self-bonding coatings of non-oriented electrical steels.

SIST/TC IOVO Oskrba z vodo, odvod in čiščenje odpadne vode

| SIST EN 1225 | 5-3:2024 | | SIST EN 12255-3:2001 |
|----------------|---------------|----------------------|------------------------------|
| | | | SIST EN 12255-3:2001/AC:2001 |
| 2024-04 | (po) | (en;fr;de) | 37 str. (H) |
| Čistilne napra | ve za odpadno | o vodo - 3. del: Pre | dhodna obdelava |
| Wastewater tr | eatment plant | s - Part 3: Prelimin | ary treatment |
| Osnova: | EN 1225 | 5-3:2024 | - |
| ICS: | 13.060.3 | 0 | |

This document specifies design principles and performance requirements for preliminary wastewater treatment using screens with a mesh size above 50 microns, at plants serving more than 50 PT.

NOTE 1 For micro-screens with a mesh size below 50 microns see EN 12255-16.

NOTE 2 The primary application of this document is for wastewater treatment plants designed for the treatment of domestic and municipal wastewater. However, it contains information that may also be useful for commercial and industrial wastewater pretreatment and for combined sewer overflows (CSO).

This document applies in combination with EN 12255-1 and EN 12255-10.

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN ISO 15589-2:20242024-04(po)(en;fr;de)69 str. (K)Naftna in plinska industrija, vključno z nizkoogljično energijo - Katodna zaščita cevovodov - 2. del:
Cevovodi na morju (ISO 15589-2:2024)Oil and gas industries including lower carbon energy - Cathodic protection of pipeline transportation
systems - Part 2: Offshore pipelines (ISO 15589-2:2024)Osnova:EN ISO 15589-2:2024ICS:75.200

This document specifies requirements and gives recommendations for the pre-installation surveys, design, materials, equipment, fabrication, installation, commissioning, operation, inspection and maintenance of cathodic protection (CP) systems for offshore pipelines for the petroleum, petrochemical and natural gas industries as defined in ISO 13623. Flexible pipelines, in-field flowlines, spools and risers are included in this document. Subsea production and injection equipment and structures are not included in this document.

This document is applicable to carbon steel, stainless steel and flexible metallic pipelines in offshore service.

This document is applicable to retrofits, modifications and repairs made to existing pipeline systems.

This document is applicable to all types of seawater and seabed environments encountered in submerged conditions and on risers up to mean water level.

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN ISO 10364:2024

2024-04(po)(en;fr;de)17 str. (E)Konstrukcijska lepila - Ugotavljanje roka uporabnosti večkomponentnih lepil (ISO 10364:2024)Structural adhesives - Determination of the pot life (working life) of multi-component adhesives (ISO 10364:2024)Osnova:EN ISO 10364:2024ICS:83.180

This document specifies methods for determining the pot life of multi-part adhesives, in order to be able to determine whether the pot life conforms to the minimum specified working life required of an adhesive.

The different methods described in this document to measure the property do not necessarily provide identical results.

The test methods described are suitable for assessing all multi-part adhesives, and especially epoxy based and polyurethane based adhesives, but they are not suitable for some acrylic-based adhesives.

NOTE 1 Some of the methods described in this document can also be suitable for determination of working life of one-part adhesives that react to humidity (e.g. PUR prepolymers).

NOTE 2 This document can also be used for assessing non-structural adhesives.

SIST/TC ISEL Strojni elementi

SIST EN ISO 18183-2:20242024-04(po)(en;fr;de)14 str. (D)Specifikacija geometrijskih veličin izdelka (GPS) - Razdelitev - 2. del: Nominalnii model (ISO 18183-
2:2024)Geometrical product specifications (GPS) - Partition - Part 2: Nominal model (ISO 18183-2:2024)Osnova:EN ISO 18183-2:2024ICS:17.040.40

This document develops partitioning for the nominal model.

SIST EN ISO 18183-3:20242024-04(po)(en;fr;de)28 str. (G)Specifikacija geometrijskih veličin izdelka (GPS) - Razdelitev - 3. del: Metode za specifikacijo in
preverjanje (ISO 18183-3:2024)Geometrical product specifications (GPS) - Partition - Part 3: Methods used for specification and
verification (ISO 18183-3:2024)Osnova:EN ISO 18183-3:2024ICS:17.040.40

This document sets out the procedure (or process) for the partition operations of Geometrical Product Specification and Verification. Profile and Areal surface texture are not within the scope of this document.

SIST/TC ISTP Stavbno pohištvo

SIST EN 13116:2024SIST EN 13116:20022024-04(po)(en;fr;de)7 str. (B)Obešene fasade - Odpornost proti obremenitvi z vetrom - Zahtevane lastnostiCurtain walling - Resistance to wind load - Performance requirementsOsnova:EN 13116:2024ICS:91.060.10

This document specifies the structural performance requirements of curtain walling under wind load, both its fixed and openable parts, under positive and negative static air pressure. This document applies to any curtain walling product as defined in EN 13830.

SIST/TC ITC Informacijska tehnologija

SIST EN 17740:20242024-04(po)(en;fr;de)53 str. (J)Zahteve za poklicne profile pri obdelavi in varovanju osebnih podatkovRequirements for professional profiles related to personal data processing and protectionOsnova:EN 17740:2023ICS:35.030, 03.100.30

The standard defines the requirements related to the professional activity of subjects active in the processing and protection of personal data, namely the intellectual profession that is pursued at different levels of complexity and in different organizational contexts, both public and private. These requirements are specified, starting from the specific tasks and activities identified, in terms of knowledge, skills and competence, in accordance with the European Qualifications Framework - EQF and are expressed in such a way as to facilitate and contribute to harmonize, as far as possible, evaluation and validation processes of learning outcomes.

SIST EN 17799:2024

2024-04(po)(en;fr;de)25 str. (F)Zahteve za varstvo osebnih podatkov za postopke obdelavePersonal data protection requirements for processing operationsOsnova:EN 17799:2023ICS:35.020, 03.160

This document specifies baseline requirements intended to support the data protection certification mechanism requested by Article 42 of the GDPR to demonstrate compliance in accordance with EN ISO/IEC 17065.

It does not however apply to products or management systems destined for processing personal data. This document is applicable to all organizations which, as personal data controllers and/or processors, process personal data, and its objective is to provide a set of requirements supporting such organizations in demonstrating compliance with the EU personal data protection normative framework This document is applicable to all of an organization's processing activities or to a specific subset of these if such a decision does not involve failure to conform with the EU personal data protection normative framework.

This document also provides indications for conformity assessment with the aforementioned requirements.

SIST EN 17905:2024

2024-04

21 str. (F)

Inteligentni transportni sistemi - e-Varnost - e-Klic HLAP v hibridnih omrežnih okoljih s komutiranim vezjem/paketno komutiranim omrežjem

(en;fr;de)

Intelligent transport systems - eSafety - eCall HLAP in hybrid circuit switched/packet switched network environments

| Osnova: | EN 17905:2023 |
|---------|----------------------|
| ICS: | 35.240.60, 03.220.20 |

(po)

In respect of 112-eCall (pan-European eCall) (operating requirements defined in EN 16072), this document defines the additional high level application protocols, procedures and processes required to provide the eCall service whilst there are still both circuit switched and packet switched wireless communication networks in operation.

NOTE The objective of implementing the pan-European in-vehicle emergency call system (eCall) is to automate the notification of a traffic accident, wherever in Europe, with the same technical standards and the same quality of services objectives by using a PLMN (such as ETSI prime medium) which supports the European harmonized 112/E112 emergency number (TS12 ETSI TS 122 003 or IMS packet switched network) and to provide a means of manually triggering the notification of an emergency incident.

SIST EN 17927:2024

2024-04 (po) (en;fr;de) 101 str. (N)

Standard ocenjevanja varnosti za platforme IoT (SESIP) - Učinkovita metodologija za uporabo ocene kibernetske varnosti in ponovno uporabo za povezane izdelke

Security Evaluation Standard for IoT Platforms (SESIP) - An effective methodology for applying cybersecurity assessment and re-use for connected products

Osnova: EN 17927:2023 ICS: 35.240.95, 35.030

This document describes a cybersecurity evaluation methodology, named SESIP, for components of connected ICT products. Security claims in SESIP are made based on the security services offered by those components. Components can be in hardware and software. SESIP aims to support comparability between and reuse of independent security evaluations. SESIP provides a common set of requirements for the security functionality of components which apply to the foundational components of devices that are not application specific. The methodology describes the re-use of evaluation results.

| SIST EN ISO 2154 | 9-5:2024 | | SIST EN ISO 21549-5:2016 | |
|--------------------|-------------|----------------------|-------------------------------|------------------------------|
| 2024-04 | (ро) | (en;fr;de) | 17 str. (E) | |
| Zdravstvena infori | matika - Po | odatki o pacientu na | a zdravstveni kartici - 5. d | el: Identifikacijski podatki |
| (ISO 21549-5:2023 | 3) | | | |
| Health informatics | - Patient l | nealthcard data - Pa | rt 5: Identification data (IS | SO 21549-5:2023) |
| Osnova: | EN ISO 2 | 1549-5:2023 | | |
| ICS: | 35.240.1 | 5, 35.240.80 | | |
| | | | | |

ISO 21549-5:2015 describes and defines the basic structure of the identification data objects held on healthcare data cards, but does not specify particular data sets for storage on devices.

The detailed functions and mechanisms of the following services are not within the scope of this part of ISO 21549 (although its structures can accommodate suitable data objects elsewhere specified):

- security functions and related services that are likely to be specified by users for data cards depending on their specific application, e.g. confidentiality protection, data integrity protection and authentication of persons and devices related to these functions;

- access control services;

- the initialization and issuing process (which begins the operating lifetime of an individual data card, and by which the data card is prepared for the data to be subsequently communicated to it according to this part of ISO 21549).

The following topics are therefore beyond the scope of this part of ISO 21549:

- physical or logical solutions for the practical functioning of particular types of data card;

- the forms that data take for use outside the data card, or the way in which such data are visibly represented on the data card or elsewhere.

| SIST EN ISO/IEC 1 | 8045:2024 | | SIST EN ISO/IEC 18045:2020 | |
|--|-----------------|----------------|-----------------------------------|---------------------------|
| 2024-04 | (ро) | (en;fr;de) | 439 str. (2A) | |
| Informacijska varr | lost, kibernets | ska varnost i | n varovanje zasebnosti - Merila z | a ocenjevanje varnosti IT |
| - Metodologija za | ocenjevanje v | arnosti IT (IS | SO/IEC 18045:2022) | |
| Information security, cybersecurity and privacy protection - Evaluation criteria for IT security - | | | for IT security - | |
| Methodology for IT | security eval | uation (ISO/I | EC 18045:2022) | - |
| Osnova: | EN ISO/IEC | 18045:2023 | · | |
| ICS: | 35.030 | | | |

This document is a companion document to the "Evaluation criteria for IT security", ISO/IEC 15408 (all parts). This document defines the minimum actions to be performed by an evaluator in order to conduct an ISO/IEC 15408 Series evaluation, using the criteria and evaluation evidence defined in the ISO/IEC 15408 Series.

SIST ISO/IEC 27005:2024

2024-04 (po) (en;fr;de)

68 str. (K)

Informacijska varnost, kibernetska varnost in varovanje zasebnosti - Navodila za upravljanje informacijskih varnostnih tveganj

Information security, cybersecurity and privacy protection - Guidance on managing information security risks

Osnova: ISO/IEC 27005:2022 ICS: 03.100.70, 35.030

This document provides guidance to assist organizations to:

- fulfil the requirements of ISO/IEC 27001 concerning actions to address information security risks;

- perform information security risk management activities, specifically information security risk assessment and treatment.

This document is applicable to all organizations, regardless of type, size or sector.

SIST/TC ITEK Tekstil in tekstilni izdelki

SIST EN ISO 105-C12:2024SIST EN ISO 105-C12:2006/AC:20082024-04(po)(en;fr;de)18 str. (E)Tekstilije - Preskušanje barvne obstojnosti - Del C12: Barvna obstojnost proti industrijskemu pranju
(ISO 105-C12:2024)Textiles - Tests for colour fastness - Part C12: Colour fastness to industrial laundering (ISO 105-C12:2024)Osnova:EN ISO 105-C12:2024CI2:2024EN ISO 105-C12:2024CS:59.080.01

This document specifies methods for determining the resistance of the colour of textiles of all kinds exposed to all forms of industrial laundering procedures.

SIST/TC IZL Izolatorji

| SIST EN IEC 61462 | 2:2024 | | | |
|--|--|--|---|---|
| 2024-04 | (ро) | (en;fr;de) | 53 str. (J) | |
| Votli kompozitni iz izmenično napetos metode, merila spr | olatorji - Izola stjo nad 1000 rejemljivosti i | atorji z in brez r) V in enosmer n priporočila za | notranjega nadtlaka za no napetostjo nad 1500 a načrtovanje (IEC 6146 | električno opremo z naznačeno) V - Definicije, preskusne 52:2023) |
| with AC rated volta methods, acceptar | insulators - P ge greater th ice criteria an | ressurized and an 1 000 V AC a id design recom | unpressurized insulator and D.C. voltage greater nmendations (IEC 61462 | rs for use in electrical equipment r than 1500V - Definitions, test 2:2023) |
| Osnova: ICS: | EN IEC 6146 29.080.10 | 52:2023 | | |

This International Standard applies to composite hollow insulators consisting of a load-bearing insulating tube made of resin impregnated fibres, a housing (outside the insulating tube) made of elastomeric material (for example silicone or ethylene-propylene) and metal fixing devices at the ends of the insulating tube. Composite hollow insulators as defined in this standard are intended for general use (unpressurized) or for use with a permanent gas pressure (pressurized). They are intended for use in both outdoor and indoor electrical equipment operating on alternating current with a rated voltage greater than 1 000 V a.c. and a frequency not greater than 100 Hz or for use in direct current equipment with a rated voltage greater than 1 500 V d.c.

The object of this standard is:

- to define the terms used;

- to prescribe test methods;
- to prescribe acceptance criteria.

Hollow insulators are integrated into electrical equipment which is electrically type tested as required by the applicable equipment standard. So, it is not the object of this standard to prescribe dielectric type tests because the withstand voltages and flashover behaviour are not characteristics of the hollow insulator itself but of the apparatus of which it ultimately forms a part.

All the tests in this standard, apart from the thermal-mechanical test, are performed at normal ambient temperature. This standard does not prescribe tests that may be characteristic of the apparatus of which the hollow insulator ultimately forms a part.

Composite hollow insulators are intended for use in electrical equipment, such as, but not limited to: - HV circuit-breakers,

- switch-disconnectors,
- disconnectors,
- station posts,
- disconnecting circuit breakers,
- earthing switches,
- instrument- and power transformers,
- bushings,
- cable terminations.

Additional testing defined by the relevant IEC equipment standard may be required.

SIST EN IEC 62772:2024

2024-04 (po) (en;fr;de) 34 str. (H)

Votli kompozitni podporni izolatorji za postaje z izmeničnimi napetostmi, višjimi od 1000 V, in enosmernimi napetostmi, višjimi od 1500 V - Definicije, preskusne metode in merila sprejemljivosti (IEC 62772:2023)

Composite hollow core station post insulators with a.c. voltage greater than 1 000 V and d.c. voltage
greater than 1 500 V - Definitions, test methods and acceptance criteria (IEC 62772:2023)Osnova:EN IEC 62772:2023ICS:29.080.10

This International Standard applies to composite hollow insulators consisting of a load-bearing insulating tube made of resin impregnated fibres, a housing (outside the insulating tube) made of elastomeric material (for example silicone or ethylene-propylene) and metal fixing devices at the ends of the insulating tube. Composite hollow insulators as defined in this standard are intended for general use (unpressurized) or for use with a permanent gas pressure (pressurized). They are intended for use in both outdoor and indoor electrical equipment operating on alternating current with a rated voltage greater than 1 000 V a.c. and a frequency not greater than 100 Hz or for use in direct current equipment with a rated voltage greater than 1 500 V d.c.

The object of this standard is:

- to define the terms used;

- to prescribe test methods;

- to prescribe acceptance criteria.

Hollow insulators are integrated into electrical equipment which is electrically type tested as required by the applicable equipment standard. So, it is not the object of this standard to prescribe dielectric type tests because the withstand voltages and flashover behaviour are not characteristics of the hollow insulator itself but of the apparatus of which it ultimately forms a part.

All the tests in this standard, apart from the thermal-mechanical test, are performed at normal ambient temperature. This standard does not prescribe tests that may be characteristic of the apparatus of which the hollow insulator ultimately forms a part.

Composite hollow insulators are intended for use in electrical equipment, such as, but not limited to:

- HV circuit-breakers,
- switch-disconnectors,
- disconnectors,
- station posts,
- disconnecting circuit breakers,
- earthing switches,
- instrument- and power transformers,
- bushings,
- cable terminations.

Additional testing defined by the relevant IEC equipment standard may be required.

SIST/TC IŽNP Železniške naprave

SIST EN 16843:20242024-04(po)(en;fr;de)41 str. (I)Železniške naprave - Infrastruktura - Mehanske zahteve za spoje v voznih tirnicahRailway applications - Infrastructure - Mechanical requirements for joints in running railsOsnova:EN 16843:2024ICS:45.080, 93.100

This European Standard deals with mechanical rail joints for flat bottom rails 46 kg/m and over. The scope of this standard is: to

establish requirements for insulated and non-insulated rail joints, for stressed rail (continuous welded rail, CWR) and unstressed rail (jointed track); to define mechanical and electrical requirements for type approval and for acceptance of insulated rail joints which are manufactured in a factory (prefab construction) as well as assembled onsite (site construction). This standard specifies the minimum requirements. Special applications as for instance tram systems may require different demands in certain paragraphs and should be agreed between customer and supplier. The scope also excludes expansion joints (it is covered in EN 13232-8), and special joints in switch constructions.

SIST/TC MEE Oprema za merjenje električne energije in krmiljenje obremenitve

SIST EN IEC 62052-11:2021/A12:2024

2024-04 (po) (en)

3 str. (A)

Oprema za merjenje električne energije - Splošne zahteve, preskusi in preskuševalni pogoji - 11. del: Merilna oprema - Dopolnilo A12

Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment

Osnova: EN IEC 62052-11:2021/A12:2024 ICS: 91.140.50, 17.220.20

Amandma A12:2024 je dodatek k standardu SIST EN IEC 62052-11:2021.

IEC 62052-11:2020 (E) specifies requirements and associated tests, with their appropriate conditions for type testing of AC and DC electricity meters. This document details functional, mechanical, electrical and marking requirements, test methods, and test conditions, including immunity to external influences covering electromagnetic and climatic environments.

This document applies to electricity metering equipment designed to:

• measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC, or 1 500 V DC;

• have all functional elements, including add-on modules, enclosed in, or forming a single meter case with exception of indicating displays;

• operate with integrated displays (electromechanical or static meters);

• operate with detached indicating displays, or without an indicating display (static meters only);

• be installed in a specified matching sockets or racks;

• optionally, provide additional functions other than those for measurement of electrical energy.

Meters designed for operation with Low Power Instrument Transformers (LPITs as defined in the IEC 61869 series) may be tested for compliance with this document and the relevant IEC 62053 series documents only if such meters and their LPITs are tested together as directly connected meters.

This document is also applicable to auxiliary input and output circuits, operation indicators, and test outputs of equipment for electrical energy measurement.

This document also covers the common aspects of accuracy testing such as reference conditions, repeatability and measurement of uncertainty.

This document does not apply to:

• meters for which the voltage line-to-neutral derived from nominal voltages exceeds 1 000 V AC, or 1 500 V DC;

• meters intended for connection with low power instrument transformers (LPITs as defined in the IEC 61869 series of standards) when tested without such transformers;

metering systems comprising multiple devices (except of LPITs) physically remote from one another;
 portable meters;

• meters used in rolling stock, vehicles, ships and airplanes;

laboratory and meter test equipment;

reference standard meters;

· data interfaces to the register of the meter;

· matching sockets or racks used for installation of electricity metering equipment;

• any additional functions provided in electrical energy meters.

This document does not cover measures for the detection and prevention of fraudulent attempts to compromise a meter's performance (tampering).

This second edition cancels and replaces the first edition published in 2003, and its amendment 1:2016. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Removed all meter safety requirements; the meter safety requirements are covered in IEC 62052-31:2015;

b) Included requirements for meter power consumption and voltage requirements from IEC 62053-61; IEC 62053-61 is withdrawn;

c) Included requirements for meter symbols from IEC 62053-52; IEC 62053-52 is withdrawn;

d) Included requirements for meter pulse output devices from IEC 62053-31; IEC 62053-31 is withdrawn; e) Added new requirements and tests including: meters with detached indicating displays, and meters without indicating displays, meter sealing provisions; measurement uncertainty and repeatability; timekeeping accuracy; type tes

SIST/TC MOC Mobilne komunikacije

(en)

SIST EN 303 797 V2.1.1:2024

2024-04(po)(en)23 str. (F)Inteligentni transportni sistemi (ITS) - Dostopovna plast ITS-G5 v frekvenčnem pasu 5 GHz, izdaja 2Intelligent Transport Systems (ITS) - ITS-G5 Access layer in the 5 GHz frequency band, Release 2Osnova:ETSI EN 303 797 V2.1.1 (2024-02)ICS:35.240.60

The present document defines the access layer for ITS-G5 consisting of the physical layer and the data link layer, as part of the ITS station architecture.

SIST EN IEC 61757-6-1:2024

2024-04

26 str. (F)

Optični senzorji - 6-1. del: Merjenje premikov - Zaznavala premikov na podlagi vlakenske Braggove uklonske mrežice (IEC 61757-6-1:2024)

Fibre optic sensors - Part 6-1: Displacement measurement - Displacement sensors based on fibre Bragg gratings (IEC 61757-6-1:2024)

Osnova: EN IEC 61757-6-1:2024 ICS: 33.180.99

(po)

IEC 61757-6-1:2024 defines the terminology, structure, and measurement methods of optical displacement sensors based on fibre Bragg gratings (FBGs) as the sensing element. This document also specifies the most important features and characteristics of these fibre optic displacement sensors and defines procedures for measuring these features and characteristics.

SIST/TC MOV Merilna oprema za elektromagnetne veličine

| SIST EN 62751-2: | 2014/A2:202 | 4 | | |
|---------------------|-----------------|----------------------|-------------------------------|-----------------------------------|
| 2024-04 | (ро) | (en;fr;de) | 11 str. (C) | |
| Izgubne moči v na | petostnih pre | tvorniških ventilih | za visokonapetos [.] | tne enosmerne sisteme - 2. del: |
| Modularni večnivo | jski pretvornil | ki - Dopolnilo A2 (I | EC 62751-2:2014/ | AMD2:2023) |
| Power losses in vo | ltage sourced | l converter (VSC) v | alves for high-volta | age direct current (HVDC) systems |
| - Part 2: Modular m | nultilevel conv | erters (IEC 62751- | 2:2014/AMD2:202 | 3) |
| Osnova: | EN 62751-2: | 2014/A2:2023 | | |
| ICS: | 29.240.01, 2 | 9.200 | | |

Amandma A2:2024 je dodatek k standardu SIST EN 62751-2:2014.

This part of IEC 62751 gives the detailed method to be adopted for calculating the power losses in the valves for an HVDC system based on the "modular multi-level converter", where each valve in the converter consists of a number of self-contained, two-terminal controllable voltage sources connected in series. It is applicable both for the cases where each modular cell uses only a single turn-off semiconductor device in each switch position, and the case where each switch position consists of a number of turn-off semiconductor devices in series (topology also referred to as "cascaded two-level converter"). The main formulae are given for the two-level "half-bridge" configuration but guidance is also given in Annex A as to how to extend the results to certain other types of MMC building block configuration.

The standard is written mainly for insulated gate bipolar transistors (IGBTs) but may also be used for guidance in the event that other types of turn-off semiconductor devices are used. Power losses in other items of equipment in the HVDC station, apart from the converter valves, are excluded from the scope of this standard. This standard does not apply to converter valves for line-commutated converter HVDC systems.

SIST EN IEC 61139-3:2024

2024-04 (po) (en;fr;de) 368 str. (Z)

Industrijska omrežja - Enožični digitalni komunikacijski vmesnik - 3. del: Brezžične razširitve (IEC 61139-3:2023)

Industrial networks - Single-drop digital communication interface - Part 3: Wireless extensions (IEC 61139-3:2023)

| Osnova: | EN IEC 61139-3:2023 |
|---------|---------------------------|
| ICS: | 25.040.40, 35.110, 35.200 |

IEC 61139-3:2023 specifies a wireless single-drop digital communication interface (SDCI wireless). This is an extension to the single-drop digital communication interface (SDCI) technology that is specified in IEC 61131-9.

This document specifies the wireless communication services and protocol (physical layer, data link layer and application layer in accordance with the ISO/OSI reference model) for W-Masters and W-Devices.

NOTE This document does not cover the integration into higher level systems such as fieldbuses.

SIST EN IEC 61557-7:2022/A1:2024

2024-04 (po) (en;fr;de) 7 str. (B)

Električna varnost v nizkonapetostnih razdelilnih sistemih za izmenične napetosti do 1 000 V in enosmerne napetosti do 1 500 V - Oprema za preskušanje, merjenje ali nadzorovanje zaščitnih ukrepov - 7. del: Fazno zaporedje - Dodatek A1

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence

| Usnova: | EN IEC 61557-7:2022/A1:2023 |
|---------|-------------------------------|
| ICS: | 29.240.01.29.080.01.17.220.20 |

Amandma A1:2024 je dodatek k standardu SIST EN IEC 61557-7:2022.

This part of IEC 61557 specifies the requirements applicable to measuring equipment for testing the phase sequence in three-phase distribution systems. Indication of the phase sequence can be mechanical, visual and/or audible.

This document does not apply to additional measurements for other quantities. It does not apply to monitoring relays.

NOTE Common worldwide three-phase distribution systems are depicted in IEC 61010-1.

(en;fr;de)

SIST EN IEC 61800-3:2024

2024-04

133 str. (0)

Električni pogonski sistemi z nastavljivo hitrostjo - 3. del: Zahteve za elektromagnetno združljivost in posebne preskusne metode za PDS in strojna orodja (IEC 61800-3:2022)

Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods for PDS and machine tools (IEC 61800-3:2022)

| Osnova: | EN IEC 61800-3:2023 |
|---------|---------------------|
| ICS: | 33.100.01, 29.200 |

(po)

IEC 61800-3:2022 specifies electromagnetic compatibility (EMC) requirements for adjustable speed power drive systems (PDSs) and machine tools (MTs). A PDS is an AC or DC motor drive including an electronic converter. Requirements are stated for AC and DC PDSs and MTs with input and/or output voltages (line-to-line voltage), up to 35 kV AC RMS. This document applies to equipment of all power ratings.

As a product EMC standard, this document can be used for the assessment of PDS and MT. It can also be used for the assessment of complete drive modules (CDM) or basic drive modules (BDM).

Traction applications and electric vehicles are excluded. Equipment which is defined as group 2 in CISPR 11:2015 is excluded.

This document does not give requirements for the electrical machine which converts power between the electrical and mechanical forms within the PDS. Requirements for rotating electrical machines are covered by the IEC 60034 series. In this document, the term "motor" is used to describe the electrical machine, whether rotary or linear, and regardless of the direction of power flow.

This document is applicable to BDMs, CDMs, PDSs and MTs with or without radio function. However, this document does not specify any radio transmission and reception requirements.

This document defines the minimum requirements for emission and immunity in the frequency range from 0 Hz to 400 GHz. Tests are not required in frequency ranges where no requirements are specified. This fourth edition cancels and replaces the third edition published in 2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

> extension of the scope to machine tools with one or more embedded PDS;

> extension of the frequency range for radiated immunity tests to 6 GHz;

(en;fr;de)

> general updates in the normative part and the informative annexes

SIST EN IEC 61800-5-1:2024

2024-04 (po)

446 str. (2A)

Električni pogonski sistemi z nastavljivo hitrostjo - 5-1. del: Varnostne zahteve - Električne, toplotne in energijske (IEC 61800-5-1:2022 + COR1:2023)

Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy (IEC 61800-5-1:2022 + COR1:2023)

| | 0 112022 : 0011112020) |
|---------|------------------------|
| Osnova: | EN IEC 61800-5-1:2023 |
| ICS: | 29.200, 29.160.30 |

This part of IEC 61800 specifies requirements for adjustable speed electrical power drive systems (PDS) or their elements, with respect to electrical, thermal, fire, mechanical, energy and other relevant hazards. It does not cover the driven equipment except for interface requirements. It applies to adjustable speed electrical PDS which include the power conversion, basic drive module (BDM)/complete drive module (CDM) control, and a motor or motors.

Excluded are traction and electric vehicle BDM/CDM.

It applies to low-voltage adjustable speed electrical PDS intended to feed a motor or motors from a BDM/CDM connected to phase-to-phase voltages of up to and including 1,0 kV AC (50 Hz or 60 Hz) and up to and including 1,5 kV DC.

It also applies to high-voltage adjustable speed electrical PDS intended to feed a motor or motors from a BDM/CDM connected to phase-to-phase voltages of up to and including 35 Kv AC (50 Hz or 60 Hz) and up to and including 52 kV DC.

NOTE 1 At the time of publication of this document, the technical upper voltage limit for DC motors is 2,25 kV DC.

NOTE 2 Above voltage and frequency limits reflect the scope of IEC 61800-1 and IEC 61800-2.

NOTE 3 For adjustable speed electrical PDS not covered by the scope of this document, applicable requirements of other standards, for example IEC 62477-1 and IEC 62477-2, can be used.

This document also applies to PDS which intentionally emit or receive radio waves for the purpose of radio communication.

Motors for driven equipment (see Figure 1) are covered by IEC 60034 (all parts).

(en;fr;de)

NOTE 4 In some cases, safety requirements of the PDS (for example, protection against access to hazardous parts) can necessitate the use of special components and/or additional measures.

SIST EN IEC 61800-5-3:2024

2024-04

108 str. (N)

Električni pogonski sistemi z nastavljivo hitrostjo - 5-3. del: Varnostne zahteve - Funkcionalne, električne in okoljske zahteve za kodirnike (IEC 61800-5-3:2021)

Adjustable speed electrical power drive systems - Part 5-3: Safety requirements - Functional, electrical and environmental requirements for encoders (IEC 61800-5-3:2021)

Osnova: EN IEC 61800-5-3:2023 ICS: 29.200

(po)

This part of IEC 61800, which is a product standard, specifies requirements and makes recommendations for the design and development, integration and validation of safety-related encoder (Encoder(SR)) in terms of their functional safety considerations, electrical safety and environmental conditions. It applies to Encoder(SR), being sensors as part of a PDS(SR).

NOTE 1 The term "integration" refers to the Encoder(SR) itself, not to its incorporation into the safety-related application.

This document can also be referred to and used for Encoder(SR) in any other safety-related application, for example safety-related position monitoring.

NOTE 2 This document specifies only complementary functional safety, electrical safety and environmental condition requirements that are not clearly provided by other parts of the IEC 61800 series.

This document is applicable where functional safety of an encoder is claimed and the Encoder(SR) is operating mainly in the high demand or continuous mode.

NOTE 3 While low demand mode operation is possible for an Encoder(SR), this document concentrates on high demand and continuous mode. Safety sub-functions implemented for high demand or continuous mode can also be used in low demand mode. Requirements for low demand mode are given in IEC 61508 (all parts) [2]. Some guidance for the estimation of average probability of dangerous failure on demand (PFDavg) value is provided in IEC 61800-5-2:2016, Annex F.

The requirements of IEC 61800-5-2:2016 for PDS(SR) apply to Encoder(SR) as applicable. This document includes additional or different requirements for Encoder(SR). It sets out safetyrelated considerations of Encoder(SR) in terms of the framework of IEC 61508 (all parts), and introduces requirements for Encoder(SR) as subsystems of a safety-related system. It is intended to facilitate the realisation of the electrical/electronic/programmable electronic (E/E/PE) and mechanical parts of an Encoder(SR).

Manufacturers and suppliers of Encoder(SR) will, by using the normative requirements of this document, indicate to users (system integrator, original equipment manufacturer) the safety performance of the Encoder(SR). This will facilitate the incorporation of Encoder(SR) into safety-related control systems using the principles of IEC 61508 (all parts), and possibly its specific sector implementations (for example IEC 61511 (all parts) [3], IEC 61513 [4],

IEC 62061 [5] or ISO 13849-1 and ISO 13849-2 (see Clause 2).

By applying the requirements from this document, the corresponding requirements of IEC 61508 (all parts) that are necessary for an Encoder(SR) are fulfilled.

This document does not specify requirements for:

- the functional properties of an Encoder(SR) without any safety relevance;
- · the hazard and risk analysis of a particular application;
- the identification of safety sub-functions for that application;
- · the initial allocation of SILs to those safety sub-functions;
- the driven equipment except for interface arrangements;
- secondary hazards (for example from failure in a production or manufacturing process);
- the Encoder(SR) manufacturing process;
- the validity of signals and commands to the Encoder(SR); and
- security aspects (e.g. cyber security or Encoder(SR) security of access).

NOTE 4 The functional safety requirements of an Encoder(SR) are dependent on the application, and can be considered as a part of the overall risk assessment of the installation. Where the supplier of the Encoder(SR) is not responsible for the driven equipment, the installation designer is responsible for the risk assessment, and for specifying the functional and safety integrity requirements of the Encoder(SR). This document applies to Encoder(SR) implementing safety sub-functions with a SIL not greater than SIL 3.

This document provides additional information for Encoder(SR) claiming conformity with ISO 13849-1:2015.

SIST EN IEC 62453-302:2024

2024-04 (po) (en;fr;de) 39 str. (H)

Specifikacija vmesnika orodja procesne naprave (FDT) - 302. del: Integracija komunikacijskih profilov - IEC 61784 CPF 2 (IEC 62453-302:2023)

Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2 (IEC 62453-302:2023)

Osnova: EN IEC 62453-302:2023 ICS: 35.240.50, 25.040.40

This part of IEC 62453 provides information for integrating the CIP^M technology into the FDT interface specification (IEC 62453-2). Communication Profile Family 2 (commonly known as CIP^M1) defines communication profiles based on IEC 61158-2 Type 2, IEC 61158-3-2, IEC 61158-4-2, IEC 61158-5-2, IEC 61158-6-2, and IEC 62026-3. The basic profiles CP 2/1 (ControlNet^M2), CP 2/2 (EtherNet/IP^M3), and CP 2/3 (DeviceNet^M1) are defined in IEC 61784-1 and IEC 61784-2. An additional communication profile (CompoNet^M1), also based on CIP^M, is defined in IEC 62026-7.

This part of IEC 62453 specifies communication and other services.

This specification neither contains the FDT specification nor modifies it.

SIST EN IEC 62453-71:2024

2024-04

(po) (en;fr;de) 75 str. (L)

Specifikacija vmesnika orodja procesne naprave - 71. del: OPC UA informacijski model za orodje procesne naprave (IEC 62453-71:2023)

Field device tool (FDT) interface specification - Part 71: OPC UA Information Model for FDT (IEC 62453-71:2023)

| Osnova: | EN IEC 62453-71:2023 |
|---------|----------------------|
| ICS: | 25.040.40, 35.240.50 |

This part of IEC 62453 specifies an OPC UA Information Model to represent the device information based on FDT-defined device integration.

SIST EN IEC 62477-1:20242024-04(po)(en;fr;de)257 str. (T)Varnostne zahteve za močnostne elektronike pretvorniške sisteme in opreme - 1. del: Splošno (IEC
62477-1:2022)Safety requirements for power electronic converter systems and equipment - Part 1: General (IEC
62477-1:2022)Osnova:EN IEC 62477-1:2023
29.200

This part of IEC 62477 applies to power electronic converter systems (PECS), any specified accessories, and their components for electronic power conversion and electronic power switching, including the means for their control, protection, monitoring and measurement, such as with the main purpose of converting electric power, with rated system voltages not exceeding 1 000 V AC or 1 500 V DC.

This document also applies to PECS which intentionally emit or receive radio waves for the purpose of radio communication.

This document can also be used as a reference standard for product committees producing product standards for:

• adjustable speed electric power drive systems (PDS);

· standalone uninterruptible power systems (UPS);

low voltage stabilized DC power supplies;

bidirectional power converters.

For PECS and their specified accessories for which no product standard exists, this document provides minimum requirements for safety aspects.

This document has the status of a group safety publication in accordance with IEC Guide 104 for power electronic converter systems for solar, wind, tidal, wave, fuel cell or similar energy sources.

According to IEC Guide 104, one of the responsibilities of technical committees is, wherever applicable, to make use of basic safety publications and/or group safety publications in the preparation of their product standards.

Guidance for use of this group safety publication for product committees is given in Annex S. This document

· establishes a common terminology for safety aspects relating to PECS,

• establishes minimum requirements for the coordination of safety aspects of interrelated parts within a PECS,

• establishes a common basis for minimum safety requirements for the PECS portion of products that contain PECS,

• specifies requirements to reduce risks of fire, electric shock, thermal, energy and mechanical hazards, during use and operation and, where specifically stated, during service and maintenance, and

• specifies minimum requirements to reduce risks with respect to PECS designed as pluggable and permanently connected equipment, whether it consists of a system of interconnected units or independent units, subject to installing, operating and maintaining the PECS in the manner prescribed by the manufacturer.

This document does not cover

• telecommunications apparatus other than power supplies to such apparatus,

(en;fr;de)

• functional safety aspects as covered by, for example, IEC 61508 (all parts), and

• electrical equipment and systems for railways applications and electric vehicles.

SIST EN IEC 63376:2024

2024-04

73 str. (L)

Sistem za energijsko upravljanje industrijskih objektov (FEMS) - Funkcije in informacijski tokovi (IEC 63376:2023)

Industrial facility energy management system (FEMS) - Functions and information flows (IEC 63376:2023)

Osnova: EN IEC 63376:2023 ICS: 25.040.01

(po)

This International Standard specifies the functions and the information flows of industrial Facility Energy Management System (FEMS). Generic functions are defined for the FEMS, to enable upgrading traditional Energy Management System (EMS) from visualization of the status of energy consumption to automation of energy management defining a closer relation with other management and control systems. A generic method to classify the FEMS functions will be explained. The information exchange between the FEMS and other systems such as Manufacturing Operations Management (MOM), Manufacturing Execution System (MES) and Enterprise Resource Planning (ERP) will be outlined.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST EN ISO 18335:20242024-04(po)(en;fr;de)14 str. (D)Naftni in sorodni proizvodi - Določanje kinematične viskoznosti z izračunom iz izmerjene dinamične
viskoznosti in gostote - Metoda z viskozimetrom pri konstantnem tlaku (ISO 18335:2024)Petroleum products and related products - Determination of kinematic viscosity by calculation from the
measured dynamic viscosity and density - Method by constant pressure viscometer (ISO 18335:2024)Osnova:EN ISO 18335:2024ICS:75.080

This document specifies a procedure for determining dynamic viscosity, η , and density, ρ , for the calculation of kinematic viscosity, v, of middle distillate fuels, fatty acid methyl ester fuels (FAME) and mixtures thereof, up to 60 % with middle distillate fuels, and lubricating oils (e.g. base oils, formulated oils), and synthetics, using a constant pressure viscometer. The range of kinematic viscosities covered in this test method is from 0,5 mm2/s to 2 000 mm2/s, with precision at 40 °C from 1,0 mm2/s to 1 286 mm2/s, and precision at 100 °C from 3,0 mm2/s to 157 mm2/s.

The result obtained using the procedure described in this document depends on the rheological behaviour of the sample. This document is predominantly applicable to liquids whose shear stress and shear rate are proportional (Newtonian flow behaviour). However, if the viscosity changes significantly with the shear rate, comparison with other measuring methods is only permissible at similar shear rates.

SIST/TC NES Nevarne snovi

 SIST EN 16637-1:2024
 SIST-TS CEN/TS 16637-1:2019

 2024-04
 (po)
 (en;fr;de)
 55 str. (J)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - 1. del: Navodilo za določanje preskusov izluževanja in dodatnih korakov preskušanja

Construction products - Assessment of release of dangerous substances - Part 1: Guidance for the determination of leaching tests and additional testing steps

Osnova: EN 16637-1:2023 ICS: 13.020.99, 91.100.01

(1) This European Standard allows the identification of the appropriate leaching test method for the determination of the release of RDS from construction products into soil, surface water and groundwater. This document provides a stepwise procedure for the determination of appropriate release tests, including:

a) determination of the test method based on general product properties;

b) choice of the test method using specific product properties.

(2) Furthermore, this European Standard gives general guidance for CEN Technical Product Committees and EOTA WGs on basic aspects (sampling, sample preparation and storage, eluate treatment, analysis of eluates and documentation) to be specified in the relevant product standards or ETAs.

(3) Metallic products and coatings on metallic products are not considered in the determination scheme of this Technical Specification since the test methods in EN 16637-2 (tank test) and EN 16637-3 (column test) are not appropriate for the testing of these construction products due to a different release mechanism (solubility control).

NOTE See Annex F.

(4) It is assumed that intermittent contact with water (e. g. exposure to rainwater) is tested - by convention - as permanent contact.

For some coatings, (e. g. some renders with organic binders according to EN 15824 [4]) in intermittent contact to water, physical and chemical properties might be altered in permanent contact with water. These products are not considered in the determination scheme of this Technical Specification since the test method in EN 16637-2 is not appropriate for the testing of these construction products (in this case EN 16105 might be an alternative method).

SIST EN 16637-2:2024 SIST-TS CEN/TS 16637-2:2014 2024-04 (po) (en;fr;de) 72 str. (L) Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - 2. del: Horizontalni dinamični preskus izluževanja s površine

Construction products - Assessment of release of dangerous substances - Part 2: Horizontal dynamic surface leaching test

| Osnova: | EN 16637-2:2023 | |
|---------|----------------------|--|
| ICS: | 13.020.99, 91.100.01 | |

1) This European Standard specifies a Dynamic Surface Leaching Test (DSLT) which is aimed at determining the release per unit surface area as a function of time of inorganic and/or non-volatile organic substances from a monolithic, plate- or sheet-like product, when it is put into contact with an aqueous solution (leachant). The test method is not suitable for substances that are volatile under ambient conditions.

(2) This test is a parameter specific test focusing on identifying and specifying parameter specific properties tested under specified conditions. It is not aimed at simulating real situations. The application of results to specific intended conditions of use may be established by means of modelling (not included in this Technical Specification).

(3) The modification for granular construction products with low hydraulic conductivity (Annex A) applies for granular particles with so little drainage capacity between the grains that percolation in percolation tests and in practice is nearly impossible.

(4) The test method applies to more or less regularly shaped test portions consisting of monolithic test pieces with minimum dimensions of 40 mm in all directions (volume > 64 000 mm3 (64 cm3)). It also applies to plate- or sheet-like products with surface areas of minimum 10 000 mm2 (100 cm2) exposed to the leachant. Products designed to drain water (e.g. draining tiles, porous asphalt) and monolithic granular products according to EN 16637-1, Table 1, are also tested by this test method. All products to be tested are assumed to maintain their integrity over a time frame relevant for the considered intended use.

(5) Metals, metallic coatings and organic coatings on metals are excluded from the scope of EN 16637-2 because the principles of this test (diffusion) are not obeyed by these products. Guidance on the need for testing of these products is under consideration.

(6) For some coatings (e.g. some renders with organic binders according to EN 15824) in intermittent contact to water, physical and chemical properties might be changed in permanent contact with water. For these products EN 16637-2 is not appropriate.

(7) Guidance on the applicability of the test method to a given product is outlined in EN 16637-1.

NOTE 1 This test method is only applicable if the product is chemically stable and the matrix does not dissolve. For construction products that may be used in contact with water this usually should not be the case as construction products should then be dimensionally stable. If a product may substantially wear in its intended use, the test cannot provide proper information. If the product contains a substantial amount of water-soluble compounds, e.g. gypsum or anhydrite, the matrix may (partially) dissolve and lead to dimensional instability of the test piece. In this case the test standard also cannot be used.

NOTE 2 Volatile organic substances include the low molecular weight substances in mixtures such as mineral oil.

NOTE 3 It is not always possible to optimize test conditions simultaneously for inorganic and organic substances and optimum test conditions may also vary between different groups of organic substances. Test requirements for organic substances are generally more stringent than those for inorganic substances. The test conditions suitable for measuring the release of organic substances will generally also be applicable to inorganic substances.

SIST EN 16637-3:2024

SIST-TS CEN/TS 16637-3:2017

2024-04 (po) 70 str. (K)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - 3. del: Horizontani preskus precejanja v koloni s tokom navzgor

(en;fr;de)

Construction products - Assessment of release of dangerous substances - Part 3: Horizontal up-flow percolation test

| , Osnova: | EN 16637-3:2023 |
|--------------|----------------------|
| ICS: | 13.020.99, 91.100.01 |

(1) This European Standard specifies an Up-flow Percolation Test (PT) which is applicable to determine the leaching behaviour of inorganic and non-volatile organic substances from granular construction products. The test is not suitable for substances that are volatile under ambient conditions. The construction products are subjected to percolation with water as a function of liquid to solid ratio under specified percolation conditions. The method is a once-through column leaching test.

(2) This up-flow percolation test is performed under specified test conditions for construction products and does not necessarily produce results that mimic specific intended use conditions. This test method produces eluates, which can subsequently be characterized by physical, chemical and ecotoxicological methods according to existing standard methods. The results of eluate analysis are presented as a function of the liquid/solid ratio. The test results enable the distinction between different leaching behaviour.

NOTE 1 Volatile organic substances include the low molecular weight substances in mixtures such as mineral oil.

NOTE 2 It is not always possible to adjust test conditions simultaneously for inorganic and organic substances and test conditions may also vary between different groups of organic substances. Test conditions for organic substances are generally more stringent than those for inorganic substances. The test conditions are generally described in a way that they fit testing organic substances and are also applicable to inorganic substances depending on the set-up.

NOTE 3 For ecotoxicity testing, eluates representing the release of both inorganic and organic substances are needed. In this document, ecotoxicological testing is meant to include also genotoxicological testing.

Construction products that exhibit a saturated hydraulic conductivity of about 10-8 m/s or higher can usually be subjected to this test.

This procedure is also applicable to materials showing solidification in the column, if the final hydraulic conductivity is within the specified range. Inert granular material should not be added to improve permeability in order to enable their testing.

NOTE 4 This procedure is generally not applicable to products that are easily biologically degradable and products reacting with the leachant, leading, for example, to excessive gas emission or excessive heat release, impermeable hydraulically bound products or products that swell in contact with water.

| SIST EN 1668 | 7:2024 | | SIST EN 16687:2015 | |
|----------------|----------------|------------------------|--------------------------------|---------|
| 2024-04 | (po) | (en,fr,de) 90 str. (M) | | |
| Gradbeni proiz | zvodi - Ocenje | vanje sproščanja ne | varnih snovi - Terminologija | |
| Construction p | products - Ass | essment of release o | of dangerous substances - Term | inology |
| Osnova: | EN 1668 | 7:2023 | | |
| ICS: | 13.020.9 | 9, 91.100.01, 01.04 |).91 | |

This document defines terms used in the field of the assessment of the release, and the content, of dangerous substances from/in construction products.

The terms are classified under the following main headings:

- Terms related to products and substances (general; soil, groundwater and surface water; indoor air);

Terms related to sampling and sample preparation;

- Terms related to test procedures and test results (general; soil, groundwater and surface water; indoor air, radiation).

An alphabetical index is provided.

NOTE Further terms generally concerning the development and application of technical specifications for construction products which fall under the scope of the construction products regulation (CPR) are listed in Annex A; their definitions are given in a Glossary by the European Commission, DG Enterprise and Industry (2014).

 SIST EN 17195:2024
 SIST-TS CEN/TS 17195:2019

 2024-04
 (po)
 (en;fr;de)
 29 str. (G)

 Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Analiza anorganskih snovi v izlužkih

 Construction products - Assessment of release of dangerous substances - Analysis of inorganic

 substances in eluates

 Osnova:
 EN 17195:2023

 ICS:
 13.020.99, 91.100.01

This European Standard specifies analytical methods for the determination of major, minor and trace elements and of anions in aqueous eluates from construction products. It refers to the following 67 elements:

Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), caesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr) and to the following four anions: Cl-, Br-, F-, SO42-.

This document also describes how to measure general parameters like pH, electrical conductivity, DOC/TOC.

The methods in this European Standard are applicable to construction products.

NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045.

The selection of analytical methods to be applied is based on the required sensitivity of the method, which is provided for all substance – analytical procedure combinations.

| SIST EN 1719 | 6:2024 | | SIST-TS CEN/TS 17196:2019 |
|--------------|--------|------------|---------------------------|
| 2024-04 | (po) | (en;fr;de) | 21 str. (F) |

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Razklop z zlatotopko za analizo anorganskih snovi

Construction products - Assessment of release of dangerous substances - Digestion by aqua regia for subsequent analysis of inorganic substances

Osnova: EN 17196:2023 ICS: 13.020.99, 91.100.01

This European Standard specifies methods for obtaining the aqua regia digestible content of construction products. Solutions produced by this method are for analysis by inductively coupled plasma mass spectrometry (ICP-MS) and inductively coupled spectrometry (ICP-OES) for the following 67 elements:

Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), caesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr).

Solutions produced by the methods are suitable for analysis by cold vapour atomic absorption or fluorescent spectrometry (CV-AAS, CV-AFS), for mercury (Hg).

The method in this European Standard is applicable to construction products.

Digestion with aqua regia will not necessarily accomplish total decomposition of the sample.

The extracted analyte concentrations may not necessarily reflect the total content in the sample.

NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045.

SIST EN 17197:2024SIST-TS CEN/TS 17197:2019+AC:20192024-04(po)(en;fr;de)45 str. (l)Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Analiza anorganskih snovi po razklopuin v izlužkih - Analiza z optično emisijsko spektrometrijo z induktivno sklopljeno plazmo (ICP-OES)Construction products - Assessment of release of dangerous substances - Analysis of inorganicsubstances in digests and eluates - Analysis by inductively coupled plasma optical emissionspectrometry (ICP-OES)

| Osnova: | EN 17197:2023 |
|---------|---------------------------------|
| ICS: | 71.040.50, 13.020.99, 91.100.01 |

This European Standard specifies the method for the determination of major, minor and trace elements in aqua regia and nitric acid digests and in eluates of construction products by Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES). It refers to the following 44 elements:

Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), chromium (Cr), cobalt (Co), copper (Cu), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), phosphorus (P), potassium (K), praseodymium (Pr), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), thallium (TI), thorium (Th), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), zinc (Zn), and zirconium (Zr).

For the determination of low levels of As, Se and Sb, hydride generation may be applied. This method is described in Annex D.

NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045.

The method in this European Standard is applicable to construction products and validated for the product types listed in Annex D.

| SIST EN 17200:20 | 24 | SI | ST-TS CEN/TS 172 | 00:2019+AC:2019 |
|-------------------------------|--------------------------------|--|----------------------------------|---|
| 2024-04 | (ро) | (en;fr;de) | 35 str. (H) | |
| Gradbeni proizvod | i - Ocenjevan | ije sproščanja nevarn | ih snovi - Anali | za anorganskih snovi po razklopu |
| in v izlužkih - Anal | za z masno s | spektrometrijo z indu | ktivno sklopljer | no plazmo (ICP-MS) |
| Construction produces in elua | ucts - Assess tes and diges | ment of release of da sts - Analysis by induc | ngerous substa tively coupled | ances - Analysis of inorganic plasma mass spectrometry (ICP- |
| MS) | c | | | |
| Osnova: | EN 17200:2 | .023 | | |
| ICS: | 13.020.99, 9 | 91.100.01 | | |

This European Standard specifies the method for the determination of major, minor and trace elements in aqua regia and nitric acid digests and in eluates of construction products by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS). It refers to the following 67 elements:

aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), caesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (TI), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr).

NOTE 1 Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045.

The working range depends on the matrix and the interferences encountered.

NOTE 2 The limit of detection of most elements will be affected by their natural abundance, ionization behaviour, on abundance of isotope(s) free from isobaric interferences and by contamination (e.g. handling and airborne). Handling contaminations are in many cases more important than airborne ones. The limit of detection will be higher in cases where the determination is likely to be interfered (see Clause 4) or in case of memory effects (see e.g. EN ISO 17294-1:2006, 8.2).

The method in this Standard is applicable to construction products and validated for the product types listed in Annex B.

| SIST EN 17201:2024 | | | SIST-TS CEN/TS 17201:2019+AC:2019 |
|--------------------|--|---------|-----------------------------------|
| | | <i></i> | •••··/=· |

2024-04 (po) (en;fr;de) 20 str. (E)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Vsebnost anorganskih snovi - Metode za analizo po razklopu z zlatotopko

Construction products - Assessment of release of dangerous substances - Content of inorganic substances - Methods for analysis of agua regia digests

| Osnova: | EN 17201:2023 |
|---------|----------------------|
| ICS: | 13.020.99, 91.100.01 |

This European Standard specifies analytical methods for the determination of major, minor and trace elements in aqua regia digests of construction products. It refers to the following 67 elements:

Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), cesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladiu m (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (TI), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr).

The methods in this European Standard are applicable to construction products.

NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045.

The selection of analytical methods to be applied is based on the required sensitivity of the method, which is provided for all combinations of substance and analytical procedure.

| SIST EN 17331 | :2024 | | SIST-TS CEN/TS 17331:2019 | |
|----------------|---------------|----------------------|-------------------------------|-------------------------|
| 2024-04 | (ро) | (en;fr;de) | 22 str. (F) | |
| Gradbeni proiz | vodi - Ocenje | vanje sproščanja nev | varnih snovi - Vsebnost orgai | nskih snovi - Metode za |

ekstrakcijo in analizo

Construction products - Assessment of release of dangerous substances - Content of organic substances - Methods for extraction and analysis

Osnova: EN 17331:2023

ICS: 13.020.99, 91.100.01

This document specifies existing methods for the determination of the content of specific organic substances in construction products. The following parameters are covered: BTEX, biocides, dioxins, furans and dioxin-like PCBs, mineral oil, nonylphenols, PAH, PCB, PCP, PBDE, and short-chain chlorinated paraffins. The methods listed in this document come from different fields and are suitable for organic substances in organic extracts from all types of constructions products. The methods in this document are validated for the product types listed in Annex A.

v izlužkih

NOTE Construction products include e.g. mineral-based products, bituminous products, wood-based products, polymer-based products and metals. This document includes analytical methods for all matrices except metals.

| SIST EN 17332:2024 | | SIST-TS CEN/TS 17332:2019 | | |
|--------------------|----------------|---------------------------|------------------------------------|---------------|
| 2024-04 | (ро) | (en;fr;de) | 23 str. (F) | |
| Gradbeni proiz | zvodi - Ocenje | vanje sproščanja nev | arnih snovi - Analiza organskih sr | novi v izlužk |
| Construction n | products - Ass | essment of release o | f dangerous substances - Analvsis | of organic |

substances in eluates

EN 17332:2023 Osnova: ICS: 13.020.99, 91.100.01

This document specifies existing methods for the determination of specific organic substances in aqueous eluates from leaching of construction products.

The following parameters are covered: pH, electrical conductivity, biocides, bisphenol A, BTEX, dioxins and furans, DOC, epichlorohydrin, mineral oil, nonylphenols, PAH, PBDE, PCB, dioxin-like PCB, PCP, phenols and phthalates.

The methods in this document come from different fields, mainly the analysis of water, and are applicable for the eluates from construction products. They are validated for eluates of the product types listed in Annex A.

NOTE Construction products include e.g. mineral-based products, bituminous products, wood-based products, polymer-based products and metals. This document includes analytical methods for all matrices except metals.

The selection of the method to be applied is based on the product matrix and the required sensitivity.

SIST EN 17844:2024

2024-04 (po) (en;fr;de) 39 str. (H)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Določanje policikličnih aromatskih ogljikovodikov (PAH) ter benzena, toluena, etilbenzena in ksilena (BTEX) - Metoda plinske kromatografije z masno spektrometrijo

Construction products - Assessment of release of dangerous substances - Determination of the content of polycyclic aromatic hydrocarbons (PAH) and of benzene, toluene, ethylbenzene and xylenes (BTEX) -Gas chromatographic method with mass spectrometric detection

EN 17844:2023 Osnova: ICS: 13.020.99, 91.100.01

This document describes two methods for determining the content of polycyclic aromatic hydrocarbons (PAH) and one method for determining the content of benzene, toluene, ethylbenzene and xylenes (BTEX) with gas chromatography with mass spectrometric detection (GC-MS).

See Annex A (normative) for lists of PAH and BTEX that can be determined with this document. This document is intended to be used for construction products.

In a number of cases additional analysis with high performance liquid chromatography (HPLC) can be necessary to determine a number of compounds. To determine PAH multiple liquid-liquid extraction is used to remove interfering compounds, e.g. maltenes. The tests that led to this document were carried out on different types of roofing material, bitumen and bituminous binders as well as asphalt including one tar containing asphalt (see [Van De Weghe at el., 2018] and [García-Ruiz et al., 2020]).

The detectability limit of the methods for individual compounds in roofing material, asphalt and tar containing asphalt for PAH is 0,5 mg/kg to 1,5 mg/kg and for BTEX 0,1 mg/kg.

SIST EN 17845:2024

2024-04 (po) (en;fr;de) 33 str. (H) Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Določanje ostankov biocidov s tekočinsko kromatografijo in tandemsko masno spektrometrijo (LC-MS/MS) Construction products - Assessment of release of dangerous substances - Determination of biocide residues using liquid chromatography with mass spectrometric detection (LC-MS/MS) Osnova: EN 17845:2023 ICS: 71.040.50, 13.020.99, 91.100.01

This document describes a method for the determination of the content of biocides in construction products, (either finished (dried) or in a ready-to-use state) and in eluates thereof, using liquid chromatography and tandem mass spectrometric detection (LC-MS/MS).

For content analysis liquid chromatography with UV-detection can also be used, if sufficient sensitivity and selectivity is ensured (see Annex A (normative)).

The method in this document is validated for the product types listed in Annex D (informative). For eluate analysis quantification limits of $0,1 \mu g/l$ can be achieved.

SIST-TP CEN/TR 18043:2024

2024-04 (po) (en) 30 str. (G)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Prednosti in slabosti metod za poročanje o morebitnem sproščanju nevarnih snovi v tla, podzemno ali površinsko vodo in notranji zrak

Construction products - Assessment of release of dangerous substances - Pros and cons of methods for communicating the potential release of dangerous substances into soil, groundwater or surface water and indoor air

| Osnova: | CEN/TR 18043:2024 |
|---------|----------------------|
| ICS: | 91.100.01, 13.020.99 |

This document describes the pros and cons for the different methods for reporting the potential release of dangerous substances into soil, groundwater or surface water and indoor air, which are:

level (or declared values); and

classes;

as defined in the Construction Products Regulation (CPR).

In addition, the pros and cons of additional methods based on discussion in CEN/TCs and WGs are described, which are:

– categories; and

manufacturer's declaration.

SIST-TS CEN/TS 17985:2024

2024-04 (po) (en;fr;de) 19 str. (E)

Gradbeni proizvodi - Ocenjevanje sproščanja nevarnih snovi - Metode določevanja N-nitrozaminov v vzorcih zraka, pridobljenih v skladu s standardom EN 16516

Construction Products - Assessment of release of dangerous substances - Methods for the

determination of N-nitrosamines in air samples derived by EN 16516

Osnova: CEN/TS 17985:2023 ICS: 91.100.01, 13.040.20

This document describes a test procedure for sampling, elution, detection, and quantification of Nnitrosamines in air samples derived from a test chamber according to EN 16516:2017+A1:2020. The following N-nitrosamines are covered:

-Nitrosodimethylamine, CAS No. 62-75-9,

- N-Nitrosomethylethylamine, CAS No. 10595-95-6,
- N-Nitrosodiethylamine, CAS No. 55-18-5,
- N-Nitrosodipropylamine, CAS No. 621-64-7,
- N-Nitrosodiisopropylamine, CAS No. 601-77-4,
- N-Nitrosodibutylamine, CAS No. 924-16-3,
- N-Nitrosopiperidine, CAS No. 100-75-4,
- N-Nitrosopyrrolidine, CAS No. 930-55-2 and
- N-Nitrosomorpholine, CAS No. 59-89-2.

SIST/TC OGS Ogrevanje, hlajenje in prezračevanje stavb

SIST EN ISO 16484-1:2024

2024-04 (po) (en;fr;de)

Sistemi za avtomatizacijo in regulacijo stavb - 1. del: Specifikacija projekta in izvedba (ISO 16484-

1:2024)

Building automation and control systems (BACS) - Part 1: Project specification and implementation (ISO 16484-1:2024)

30 str. (G)

Osnova: EN ISO 16484-1:2024 ICS: 97.120, 35.240.67

ISO 16484-1:2010 specifies guiding principles for project design and implementation and for the integration of other systems into the building automation and control systems (BACS).

ISO 16484-1:2010 specifies the phases required for the BACS project, including:

design (determination of project requirements and production of design documents including technical specifications),

engineering (detailed function and hardware design),

installation (installing and commissioning of the BACS), and

completion (handover, acceptance and project finalization).

ISO 16484-1:2010 also specifies the requirements for as-built documentation and training.

ISO 16484-1:2010 is not applicable to operation and maintenance, nor is it applicable to retro or continuous commissioning, including a commissioning authority.

SIST/TC OVP Osebna varovalna oprema

| SIST EN 1294 | 1:2024 | | SIST EN 12941:1999 | |
|----------------|-----------------|-----------------------|---------------------------|---------------------------------|
| | | | SIST EN 12941:1999/A1:2 | 2004 |
| | | | SIST EN 12941:1999/A2:2 | 2009 |
| 2024-04 | (ро) | (en;fr;de) | 41 str. (I) | |
| Oprema za va | rovanje dihal - | Napajana oprema | za filtriranje z vgrajeni | m ohlapno prilegajočim dihalnim |
| vmesnikom - 2 | Zahteve, presk | ušanje, označevan | ie | |
| Respiratory pr | otective device | es - Powered filterir | ng devices incorporatin | g a loose fitting respiratory |
| interface Dec | wiromonto too | ting marking | . | |

interface - Requirements, testing, marking Osnova: EN 12941:2023 ICS: 13.340.30

This document specifies minimum requirements for powered filtering Respiratory Protective Devices (RPD) incorporating a loose fitting respiratory interface (RI). It does not cover devices designed for use in circumstances where there is or might be an oxygen deficiency (concentration in oxygen less than a volume fraction of 17 %).

Escape RPD are not covered by this document.

Laboratory and practical performance tests are included for the assessment of compliance with the requirements.

SIST/TC PCV Polimerne cevi, fitingi in ventili

 SIST EN 12201-1:2024
 SIST EN 12201-1:2011

 2024-04
 (po)
 (en;fr;de)
 29 str. (G)

 Cevni sistemi iz polimernih materialov za oskrbo z vodo in za odvodnjavanje in kanalizacijo pod tlakom - Polietilen (PE) - 1. del: Splošno
 Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) - Part 1: General

 Osnova:
 EN 12201-1:2024

 ICS:
 93.030, 91.140.60, 23.040.05

This document specifies materials and the general aspects of polyethylene (PE) pressure piping systems (mains and service pipes) for buried or above ground applications, intended for the conveyance of water for human consumption, raw water prior to treatment, drains and sewers under pressure, vacuum sewer systems, and water for other purposes, with the exception of industrial application.

NOTE 1 For PE components intended for the conveyance of water intended for human consumption and raw water prior to treatment attention is drawn to Clause 6 of this document. Components manufactured for water for other purposes, drains and sewers, and vacuum systems are possibly not suitable for water supply for human consumption.

NOTE 2 Industrial application is covered by EN ISO 15494 [6].

The intended use includes sea outfalls, laid in water and pipes suspended below bridges.

It also specifies the test parameters for the test methods referred to in this document.

In conjunction with EN 12201-2, EN 12201 3, EN 12201 4 and EN 12201 5, this document is applicable to PE pipes, fittings and valves, their joints and joints with components of PE and other materials intended to be used under the following conditions:

allowable operating pressure, PFA, up to 25 bar;

an operating temperature of 20 °C as a reference temperature.

NOTE 3 For applications operating at constant temperatures greater than 20 °C and up to and including 50 °C, see Annex A.

The EN 12201 series covers a range of allowable operating pressures and gives requirements concerning colours.

NOTE 4 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

SIST EN 12201-2:2024 2024-04 (po)

a)

b)

SIST EN 12201-2:2011+A1:2013

2024-04(po)(en;fr;de)31 str.(G)Cevni sistemi iz polimernih materialov za oskrbo z vodo in za odvodnjavanje in kanalizacijo podtlakom - Polietilen (PE) - 2. del: Cevi

Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) - Part 2: Pipes

| Osnova: | EN 12201-2:2024 |
|---------|------------------------------|
| ICS: | 93.030, 91.140.60, 23.040.05 |

This document specifies the characteristics of pipes made from polyethylene (PE) for buried and above ground applications, intended for the conveyance of water for human consumption, raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes.

NOTE 1 For PE components intended for the conveyance of water for human consumption and raw water prior to treatment attention is drawn to 6.3 of this document. Components manufactured for water for general purposes, drainage and sewerage are possibly not suitable for water supply for human consumption.

For use in contaminated soils special consideration is taken for pipes intended for the transport of water intended for human consumption or raw water prior to treatment.

NOTE 2 Pipes constructions including barrier layers are not covered by this document. ISO 21004 provides an alternative solution for use in contaminated soils [9].

It also specifies the test parameters for the test methods referred to in this document.

In conjunction with Part 1 and Parts 3 to 5 of EN 12201, it is applicable to PE pipes, their joints and to joints with components of PE and other materials intended to be used under the following conditions:

- a) allowable operating pressure, PFA, up to 25 bar);
- b) an operating temperature of 20 °C as a reference temperature;
- c) buried in the ground;
- d) sea outfalls;
- e) laid in water;

f) above ground, including pipes suspended below bridges.

NOTE 3 For applications operating at constant temperatures greater than 20 °C and up to 40 °C, see prEN 12201-1:2021, Annex A

EN 12201 series covers a range of allowable operating pressures and gives requirements concerning colours.

This document specifies three types of pipe:

PE pipes (outside diameter dn) including any identification stripes;

- PE pipes with co-extruded layers on either or both the outside and/or inside of the pipe (total outside diameter dn) as specified in Annex B, where all layers have the same MRS rating. A coextruded pipe made of a combination of PE 100 and PE 100-RC layers are regarded as PE 100 and marked accordingly.

- PE pipes (outside diameter dn) with a peelable, contiguous thermoplastics additional layer on the outside of the pipe ('coated pipe') as specified in Annex C.

NOTE 4 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

NOTE 5 Assessment of the resistance to slow crack growth of the PE pipe compound used for the manufacture of products to this document is required in accordance with prEN 12201-1:2021, Table 2.

SIST EN 12201-3:2011+A1:2013 43 str. (I)

2024-04 (po) (en;fr;de)

Cevni sistemi iz polimernih materialov za oskrbo z vodo in za odvodnjavanje in kanalizacijo pod tlakom - Polietilen (PE) - 3. del: Fitingi

Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) - Part 3: Fittings

| Osnova: | EN 12201-3:2024 |
|---------|------------------------------|
| ICS: | 93.030, 91.140.60, 23.040.45 |

This document specifies the characteristics of fittings made from polyethylene (PE) for buried and above ground applications, intended for the conveyance of water for human consumption, raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes.

NOTE 1 For PE components intended for the conveyance of water for human consumption and raw water prior to treatment, attention is drawn to 6.6 of this document. Components manufactured for water for other purposes, drainage and sewerage are possibly not suitable for water supply for human consumption.

It also specifies the test parameters for the test methods referred to in this document.

In conjunction with Parts 1, 2, 4 and 5 of EN 12201, it is applicable to PE fittings, their joints and to joints with components of PE and other materials intended to be used under the following conditions:

- a) allowable operating pressure, PFA, up to 25 bar);
- b) an operating temperature of 20 °C as a reference temperature;
- c) buried in the ground;
- d) sea outfalls;
- e) laid in water;

f) above ground, including pipes suspended below bridges.

NOTE 2 For applications operating at constant temperature greater than 20 °C and up to 40 °C, see prEN 12201 1:2021, Annex A.

The EN 12201 series covers a range of allowable operating pressures and gives requirements concerning colours.

NOTE 3 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

These fittings can be of the following types:

- a) fusion fittings;
- 1) electrofusion fittings;

2) spigot end fittings (for butt fusion using heated tools and electrofusion socket fusion);

3) socket fusion fittings (see Annex A);

- b) mechanical fittings;
- 1) compression fittings;

- 2) flanged fittings;
- c) fabricated fittings (see Annex B).

SIST EN 12201-4:2024

SIST EN 12201-4:2012 27 str. (G)

2024-04(po)(en;fr;de)27 str. (G)Cevni sistemi iz polimernih materialov za oskrbo z vodo ter za odvodnjavanje in kanalizacijo podtlakom - Polietilen (PE) - 4. del: Ventili za oskrbo z vodo

Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) -Part 4: Valves for water supply systems

Osnova: EN 12201-4:2024

ICS: 93.030, 91.140.60, 23.060.01

This document specifies the characteristics of valves or valve bodies made from polyethylene (PE) for buried and above ground applications, intended for the conveyance of water for human consumption, raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes.

It is applicable to isolating unidirectional and bi-directional valves with spigot ends or electrofusion sockets intended to be fused with PE pipes or fittings conforming to prEN 12201 2 and prEN 12201 3 respectively.

Valves made from materials other than PE, designed for the supply of water, drainage and sewerage under pressure conforming to the relevant standards can be used in PE piping systems according to EN 12201, provided that they have PE connections for butt fusion or electrofusion ends, including integrated material transition joints, conforming to prEN 12201 3.

NOTE 1 For valves or valve bodies intended for drainage and sewerage under pressure, additional specifications/tests could be necessary according to the requirements of the purchaser, especially for the chemical resistance of the components in contact with the fluids and functioning characteristics.

NOTE 2 For PE components intended for the conveyance of water for human consumption and raw water prior to treatment attention is drawn to 5.4. Components manufactured for water for other purposes are possibly not suitable for water supply for human consumption.

It also specifies the test parameters for the test methods referred to in this document.

NOTE 3 Valves made from material other than polyethylene (PE) designed for the supply of water intended for human consumption to a relevant standard(s) can be used in PE piping systems conforming to EN 12201 when they have relevant PE connection for butt fusion or electrofusion ends (see prEN 12201 3:2021).

In conjunction with Parts 1, 2, 3 and 5 of EN 12201 it is applicable to PE valves, their joints and to joints with components of PE and other materials intended to be used under the following conditions:

- a) allowable operating pressure, PFA, up to 25 bar);
- b) an operating temperature of 20 °C as a reference temperature;
- c) buried in the ground;
- d) sea outfalls;
- e) laid in water;

f) above ground, including pipes suspended below bridges.

NOTE 4 For applications operating at constant temperature greater than 20 °C and up to 40 °C, see prEN 12201 1:2021, Annex A.

EN 12201 covers a range of allowable operating pressures and gives requirements concerning colours and additives.

NOTE 5 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

This Part of EN 12201 covers valves for pipes with a nominal outside diameter dn \leq 400 mm.

SIST EN 12201-5:2024SIST EN 12201-5:20112024-04(po)(en;fr;de)15 str.(D)Cevni sistemi iz polimernih materialov za oskrbo z vodo in za odvodnjavanje in kanalizacijo podtlakom - Polietilen (PE) - 5. del: Ustrezanje zahtevam za uporabnost sistemaPlastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) -Part 5: Fitness for purpose of the systemOsnova:EN 12201-5:2024ICS:93.030, 91.140.60, 23.040.05

This document specifies the characteristics of the fitness for purpose of the assembled piping systems intended for the conveyance of water intended for human consumption, raw water prior to treatment, drainage and sewerage under pressure, vacuum sewer systems, and water for other purposes.

It also specifies the method of preparation of test piece joints, and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions.

NOTE 1 For PE components intended for the conveyance of water for human consumption and raw water prior to treatment attention is drawn to the introduction of this document. Components manufactured for water for other purposes are possibly not suitable for water supply for human consumption.

It specifies the test parameters for the test methods referred to in this document.

NOTE 2 This document is intended only to be used by the product manufacturer to assess the performance of components according to prEN 12201 2, prEN 12201 3, or prEN 12201 4 when joined together under normal and extreme conditions. It is not intended for on-site testing of pipe systems. In conjunction with Parts 1 to 4 of prEN 12201 it is applicable to PE pipes, fittings, valves, their joints

and to joints with components of other materials intended to be used under the following conditions:

a) allowable operating pressure, PFA, up to 25 bar);

b) an operating temperature of 20 °C as a reference temperature for design purposes;buried in the ground;

- d) sea outfalls;
- e) laid in water;

f) above ground, including pipes suspended below bridges.

(en;fr;de)

NOTE 3 For applications operating at constant temperatures greater than 20 °C up to 40 °C, see prEN 12201 1:2021, Annex A.

The EN 12201 series covers a range of allowable operating pressures and gives requirements concerning colours.

NOTE 4 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national guidance or regulations and installation practices or codes.

SIST EN ISO 7510:2024

2024-04

SIST EN 637:1997 **12 str. (C)**

Cevni sistemi iz polimernih materialov - Sestavni deli iz polimernih materialov, ojačenih s steklenimi vlakni (GRP) - Določanje količine sestavin (ISO 7510:2017)

Plastics piping systems - Glass-reinforced plastics (GRP) components - Determination of the amounts of constituents (ISO 7510:2017)

| Osnova: | • | EN ISO 7510:2024 |
|---------|---|-------------------|
| ICS: | | 83.120, 23.040.20 |

(po)

This document specifies a method for the determination of constituent materials of a test sample cut from a glass-reinforced plastics (GRP) component intended for use in a piping system. It includes determination of resin, glass, aggregate and filler contents.

It is also applicable to the determination of the type and arrangement of the reinforcements. If used to determine the amounts of constituent materials in layered constructions it may be necessary to separate the laminate layers by cutting or splitting and testing each separately.

SIST/TC PIP Pigmenti in polnila

SIST EN ISO 3549:2024SIST EN ISO 3549:20032024-04(po)(en;fr;de)29 str.(G)Cinkovi pigmenti v prahu za barve - Specifikacije in preskusne metode (ISO 3549:2024)Zinc dust pigments for paints - Specifications and test methods (ISO 3549:2024)Osnova:EN ISO 3549:2024ICS:87.060.10

This document specifies the requirements and corresponding test methods for zinc dust pigments suitable for use in protective coatings.

SIST/TC PKG Preskušanje kovinskih gradiv

 SIST EN ISO 6508-1:2024

 2024-04
 (po)
 (en;fr;de)
 38 str. (H)

 Kovinski materiali - Preskus trdote po Rockwellu - 1. del: Preskusna metoda (ISO 6508-1:2023)
 Metallic materials - Rockwell hardness test - Part 1: Test method (ISO 6508-1:2023)

 Osnova:
 EN ISO 6508-1:2023
 ICS:
 77.040.10

This document specifies the method for Rockwell regular and Rockwell superficial hardness tests for scales A, B, C, D, E, F, G, H, K, 15N, 30N, 45N, 15T, 30T, and 45T for metallic materials and is applicable to stationary and portable hardness testing machines. For specific materials and/or products, other specific International Standards apply (e.g. ISO 3738-1

For specific materials and/or products, other specific International Standards apply (e.g. ISO 3/38-1 and ISO 4498).

| SIST EN ISO 6508- | 3:2024 | | | |
|---------------------------------|--------------------------|--------------------|------------------------|--------------------------------|
| 2024-04 | (ро) | (en;fr;de) | 25 str. (F) | |
| Kovinski materiali - 3:2023) | Preskus trdo | ote po Rockwellu | - 3. del: Umerjanje p | rimerjalnih ploščic (ISO 6508- |
| Metallic materials - | Rockwell har | rdness test - Part | 3: Calibration of refe | rence blocks (ISO 6508-3:2023) |
| Osnova: ICS: | EN ISO 6508 77.040.10 | 3-3:2023 | | |

This document specifies a method for the calibration of reference blocks to be used for the indirect and daily verification of Rockwell hardness testing machines and indenters, as specified in ISO 6508-2. This document also specifies requirements for Rockwell machines and indenters used for calibrating reference blocks and specifies methods for their calibration and verification.

Attention is drawn to the fact that the use of hard metal for ball indenters is considered to be the standard type of Rockwell indenter ball.

SIST/TC SKA Stikalni in krmilni aparati

SIST EN IEC 62271-100:2021/AC:20242024-04(po)(en)3 str. (AC)Visokonapetostne stikalne in krmilne naprave - 100. del: Odklopniki za izmenični tok - Popravek AC(IEC 62271-100:2021/COR3:2024)High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/COR3:2024)0snova:EN IEC 62271-100:2021/AC:2024-02ICS:29.130.10

Popravek k standardu SIST EN IEC 62271-100:2021.

This part of IEC 61557 specifies the requirements applicable to measuring equipment for testing the phase sequence in three-phase distribution systems. Indication of the phase sequence can be mechanical, visual and/or audible.

This document does not apply to additional measurements for other quantities. It does not apply to monitoring relays.

NOTE Common worldwide three-phase distribution systems are depicted in IEC 61010-1.

SIST/TC TLP Tlačne posode

SIST EN 14025:2024

SIST EN 14025:2018 SIST EN 14025:2018/AC:2020

2024-04 (po) (en;fr;de) 64 str. (K)

Cisterne za prevoz nevarnega blaga - Kovinske cisterne pod tlakom - Konstruiranje in izdelava Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction Osnova: EN 14025:2023 ICS: 23.020.20, 13.300

This document specifies the minimum requirements for the design and construction of metallic pressure tanks for the transport of dangerous goods by road and rail and sea. It is not applicable to gravity-discharge tanks according to RID/ADR 6.8.2.1.14 (a).

This document includes requirements for openings, closures and structural equipment; it does not cover requirements of service equipment. For tanks for the transport of cryogenic liquids, EN 13530-1 and EN 13530-2 apply.

Design and construction of pressure tanks according to the Scope of this document are primarily subject to the requirements of RID/ADR, Subsections 6.8.2.1, 6.8.3.1 and 6.8.5, as relevant. In addition, the relevant requirements of RID/ADR, Table A, columns 12 and 13, to Chapters 3.2, 4.3 and Subsection 6.8.2.4 apply. For the structural equipment RID/ADR, Subsections 6.8.2.2 and 6.8.3.2 apply, as relevant. The definitions of RID/ADR, Subsection 1.2.1, are referred to. For portable tanks see also RID/ADR, Chapter 4.2 and Sections 6.7.2 and 6.7.3. In addition, the relevant requirements of RID/ADR, Table A, Columns 10 and 11 to Chapters 3.2, 4.2, and Sections 6.7.2 and 6.7.3 apply. The paragraph numbers above relate to the 2017 issue of RID/ADR which are subject to regular revisions. This can lead to temporary non-compliances with EN 14025.

This document is applicable to liquefied gases including LPG; however for a dedicated LPG standard see EN 12493.

If not otherwise specified, provisions which take up the whole width of the page apply to all kind of tanks. Provisions contained in a single column apply only to:

-tanks according to RID/ADR Chapter 6.8 (left-hand column);

-portable tanks according to RID/ADR Chapter 6.7 (right-hand column).

(en)

SIST/TC TPD Tekoči in plinasti dielektriki

SIST EN IEC 60567:2024

2024-04 (po)

65 str. (K)

Z oljem polnjena električna oprema - Vzorčenje prostih plinov in analiziranje prostih in raztopljenih plinov - Napotek

Oil-filled electrical equipment - Sampling of free gases and analysis of free and dissolved gases -Guidance

Osnova: EN IEC 60567:2024 ICS: 29.040.10

IEC 60567:2023 deals with the techniques for sampling free gases from gas-collecting relays from power transformers. Three methods of sampling free gases are described. The techniques for sampling oil from oil-filled equipment such as power and instrument transformers, reactors, bushings, oil-filled cables and oil-filled tank-type capacitors are no longer covered by this document, but are instead described in IEC 60475:2022, 4.2. Before analysing the gases dissolved in oil, they are first extracted

from the oil. Three basic methods are described, one using extraction by vacuum (Toepler and partial degassing), another by displacement of the dissolved gases by bubbling the carrier gas through the oil sample (stripping) and the last one by partition of gases between the oil sample and a small volume of the carrier gas (headspace). The gases are analysed quantitatively after extraction by gas chromatography; a method of analysis is described. Free gases from gas-collecting relays are analysed without preliminary treatment.

SIST/TC TRM Terminologija

 SIST IEC 60050-741:2024

 2024-04
 (po)
 (en,fr)
 38 str. (H)

 Mednarodni elektrotehniški slovar - 741. del: Internet stvari
 International Electrotechnical Vocabulary (IEV) – Part 741: Internet of Things (IoT)

 Osnova:
 IEC 60050-741:2020
 S5.240.95, 01.040.35

IEC 60050-741:2020 provides a definition of Internet of Things along with related terms and definitions. It has the status of a horizontal standard in accordance with IEC Guide 108:2006. This terminology is consistent with the terminology developed in the other specialized parts of the IEV.

SIST/TC TRS Tehnično risanje, veličine, enote, simboli in grafični simboli

SIST EN ISO 6284:2024SIST EN ISO 6284:20022024-04(po)(en;fr;de)19 str. (E)Tehnična dokumentacija izdelkov - Gradbena dokumentacija - Prikaz omejenih deviacij (ISO
6284:2023)Frikaz omejenih deviacij (ISO
6284:2023)Technical product documentation - Construction documentation - Indication of limit deviations (ISO
6284:2023)Osnova:EN ISO 6284:2024
01.110, 01.100.30

This document specifies methods for the indication of limit deviations on construction documents.

SIST/TC VAZ Varovanje zdravja

SIST EN ISO 11139:2018/A1:2024

2024-04 (po) (en;fr;de) 19 str. (E)

Sterilizacija izdelkov za zdravstveno nego - Slovar izrazov, ki se uporabljajo pri sterilizaciji in ustrezni opremi ter pri procesnih standardih - Dopolnilo A1: Spremenjeni in dodatni izrazi in definicije (ISO 11139:2018/Amd 1:2024)

Sterilization of health care products - Vocabulary of terms used in sterilization and related equipment and process standards - Amendment 1: Amended and additional terms and definitions (ISO 11139:2018/Amd 1:2024)

Osnova: EN ISO 11139:2018/A1:2024 ICS: 11.080.01, 01.040.11

Amandma A1:2024 je dodatek k standardu SIST EN ISO 11139:2018.

This International Standard defines terms in the field of sterilization of healthcare products used in the standards developed by ISO/TC 198 "Sterilization of healthcare products", CEN/TC 204 "Sterilization of medical devices", and CEN/TC 102 "Sterilizers and associated equipment for processing of medical devices".

| SIST EN ISO 12417 | 7-1:2024 | S | IST EN ISO 12417-1:2 | 015 |
|----------------------|---------------|------------------------|----------------------|------------------------------|
| 2024-04 | (ро) | (en;fr;de) | 57 str. (J) | |
| Vsadki (implantati) | za srce in ož | žilje ter zunajtelesni | pretočni sistemi | Žilni medicinski kombinirani |
| proizvodi/zdravila - | 1. del: Sploš | ne zahteve (ISO 124 | 417-1:2024) | |
| Cardiovascular imp | lants and ext | racorporeal system: | s - Vascular device | -drug combination products - |
| Part 1: General requ | irements (IS | 0 12417-1:2024) | | |
| Osnova: | EN ISO 1241 | 7-1:2024 | | |
| ICS: | 11.040.40 | | | |

This document specifies requirements for vascular device-drug combination products (VDDCPs). With regard to safety, this document outlines requirements for intended performance, design attributes, materials, design evaluation, manufacturing, sterilization, packaging and information supplied by the manufacturer.

For implanted products, this document is intended to be used as a supplement to ISO 14630, which specifies general requirements for the performance of non-active surgical implants. This document is intended to be used as a supplement to relevant device-specific standards, such as the ISO 25539 series specifying requirements for endovascular devices. Requirements listed in this document also address VDDCPs that are not permanent implants.

NOTE 1 Due to variations in the design of combination products covered by this document and due to the relatively recent development of some of these combination products, acceptable standardized in vitro test results and clinical study results are not always available. As further scientific and clinical data become available, appropriate revision of this document can be necessary.

This document applies to delivery systems or parts of the delivery system that are an integral component of the vascular device and that are drug-covered (e.g. drug-covered balloon catheters and drug-covered guidewires).

This document does not apply to devices whose PMOA provide a conduit for delivery of a drug (e.g. infusion catheters), unless they contain a drug component that is intended to have an ancillary action to the device part (e.g. antimicrobial coated infusion catheter).

This document does not apply to procedures and devices used prior to and following the introduction of the VDDCP (e.g. balloon angioplasty devices) that do not affect the drug-related aspects of the device.

This document does not provide a comprehensive pharmacological evaluation of VDDCPs.

NOTE 2 Some information about the requirements of certain national and regional authorities is given in Annex B.

The connection of absorbable components of VDDCPs (e.g. coatings) with drug-related aspects of the device are addressed in this document. This document does not provide an exhaustive list of the degradation and other time-dependent aspects of absorbable implants and coatings.

NOTE 3 For more information on absorbable coatings, refer to ISO/TS 17137 and ASTM F3036-13. This document does not address issues associated with viable or non-viable biological materials such as tissues, cells or proteins.

This document does not address issues associated with active surgical implants (i.e. implants that require power not generated by the human body or gravity).

SIST/TC VGA Varnost električnih aparatov za gospodinjstvo in podobne namene

SIST EN IEC 60335-2-119:20242024-04(po)(en)23 str. (F)Gospodinjski in podobni električni aparati - Varnost - 2-119. del: Posebne zahteve za komercialne
vakumske pakirne naprave (IEC 60335-2-119:2021)Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for
commercial vacuum packaging appliances (IEC 60335-2-119:2021)Osnova:EN IEC 60335-2-119:2024ICS:97.030, 13.120

This clause of Part 1 is replaced by the following.

This part of IEC 60335 deals with the safety of commercial electric packaging appliances using vacuum conditions for food preservation, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

These appliances are not intended for household and similar purposes. They are used for commercial preservation of food in areas not open to the public, for example in kitchens of restaurants, canteens, hospitals and in commercial enterprises such as bakeries and butcheries.

Examples of appliances that are within the scope of this standard are:

- chamber vacuum packaging appliances;

- vacuum packaging appliances.

These appliances may be provided with a film-sealing function.

This standard also deals with the hygiene aspects of appliances.

As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by users. However, in general, it does not consider young children playing with the appliance.

Attention is drawn to the fact that:

- for appliances intended to be used in vehicles or onboard ships or aircraft, additional requirements may be necessary;

- in many countries, additional requirements for appliances incorporating pressure vessels are specified;

- in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities.

This standard does not apply to:

- appliances which operate with injection in the vacuum chamber of inert gas with an oxygen content exceeding 21 %;

- appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);

- vacuum packaging appliances for household and similar use (IEC 60335-2-45);

- battery-operated appliances.

2024-04

SIST EN IEC 60335-2-119:2024/A11:2024 (po)

20 str. (E)

Gospodinjski in podobni električni aparati - Varnost - 2-119. del: Posebne zahteve za komercialne vakumske pakirne naprave - Dopolnilo A11

Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for

commercial vacuum packaging appliances

EN IEC 60335-2-119:2024/A11:2024 Osnova: ICS: 97.030, 13.120

Amandma A11:2024 je dodatek k standardu SIST EN IEC 60335-2-119:2024.

(en)

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- appliances intended to be used in locations where special conditions prevail, such as the

presence of a corrosive or explosive atmosphere (dust, vapour or gas);

- vacuum packaging appliances for household and similar use (IEC 60335-2-45);

- battery-operated appliances.

SIST/TC VSN Varnost strojev in naprav

SIST EN 1417:20242024-04(po)(en;fr;de)56 str. (J)Stroji za predelavo gume in plastike - Dvovaljni gnetilniki - Varnostne zahtevePlastics and rubber machines - Two-roll mills - Safety requirementsOsnova:EN 1417:2023ICS:83.200

This European Standard deals with all significant hazards, hazardous situations and events relevant to two-roll mills for the processing of rubber and/or plastics, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European Standard covers two-roll mills as defined in 3.1.

This European Standard does not deal with the design of a local exhaust ventilation system that may be necessary in specific applications of the machine not known by the manufacturer.

This European Standard is not applicable to two-roll mills manufactured before the date of its publication as an European Standard.

SIST-TP CEN ISO/IEC TR 25060:2024

2024-04 (po) (en;fr;de) 28 str. (G)

Sistemi in programska oprema - Zahteve za kakovost in vrednotenje sistemov in programske opreme (SQuaRE) - Splošni okvir za skupni industrijski format (CIF) za podatke, povezane z uporabnostjo (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)

Osnova: CEN ISO/TR 25060:2023 ICS: 35.080

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.

SS EIT Strokovni svet SIST za področja elektrotehnike, informacijske tehnologije in telekomunikacij

SIST EN IEC 63203-402-3:20242024-04(po)(en)19 str. (E)Nosljive elektronske naprave in tehnologije - 402-3. del: Merjenje zmogljivosti nosljivih izdelkov za
fitnes - Preskusne metode za ugotavljanje točnosti srčnega utripa (IEC 63203-402-3:2024)
Wearable electronic devices and technologies - Part 402-3: Performance measurement of fitness
wearables - Test methods for the determination of the accuracy of heart rate (IEC 63203-402-3:2024)
Osnova:Osnova:EN IEC 63203-402-3:2024
97.220.01, 59.080.80, 31.080.99

IEC 63203-402-3:2024 specifies terms, a measurement protocol, and a test to evaluate the accuracy of wearables that measure heart rate with a photoplethysmography (PPG) sensor. While this document can be used to measure a variety of different devices claiming to report heart rate, care will be taken when testing in countries that differentiate between heart rate and pulse rate. This measurement protocol is not intended to evaluate medical devices associated with the IEC 60601 series or ISO 80601 series.

SS SPL Strokovni svet SIST za splošno področje

SIST EN 2997-004:2024

2024-04(po)(en;fr;de)12 str. (C)Aeronavtika - Konektorji, električni, okrogli, priključeni z navojnim obročkom, odporni ali neodporni
proti ognju, s stalno delovno temperaturo med -65 °C in 175 °C, stalno 200 °C, najvišjo 260 °C - 004.
del: Pritrditev z zaklepom matice - Standard za proizvod

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fireresistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 004: Jam-nut mounted receptacle - Product standard

Osnova: EN 2997-004:2024 ICS: 31.220.10, 49.060

This document specifies the characteristics of jam-nut mounted receptacles in the family of circular electrical connectors coupled by threaded ring.

It applies to the class defined in Table 4.

For contacts, filler plugs, and rear accessories associated with this receptacle, see EN 2997-002. For plugs and protective covers, see EN 2997-008 and EN 2997-009 respectively. For spare jam-nuts and o-rings, see EN 2997-012 and EN 2997-013 respectively.

SIST EN 2997-006:2024

2024-04 (po) (en;fr;de) 11 str. (C)

Aeronavtika - Konektorji, električni, okrogli, priključeni z navojnim obročkom, odporni ali neodporni proti ognju, s stalno delovno temperaturo med –65 °C in 175 °C, stalno 200 °C, najvišjo 260 °C - 006. del: Neprepustna pritrditev z matico - Standard za proizvod

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire resistant or non fireresistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 006: Hermetic jam-nut mounted receptacle - Product standard

| Osnova: | EN 2997-006:2024 |
|---------|-------------------|
| ICS: | 31.220.10, 49.060 |

This document specifies the characteristics of hermetic jam-nut mounted receptacles in the family of circular electrical connectors coupled by threaded ring.

It applies to the class defined in Table 4.

For plugs and protective covers, see EN 2997-008 and EN 2997-009 respectively. For spare jam-nuts and O-rings, see EN 2997-012 and EN 2997-013 respectively.

SIST EN 3375-008:2024

2024-04 (po) (en;fr;de) 15 str. (D) Aeronavtika - Električni kabli za digitalni prenos podatkov - 008. del: Enojni oplet - Štirižilni zvezdasti kabel, 100 ohmov (Quad cable) - Tip KD - Standard za proizvod

Aerospace series - Cable, electrical, for digital data transmission - Part 008: Single braid - Star Quad 100 Ohms - Type KD - Product standard

Osnova: EN 3375-008:2024 ICS: 29.060.20, 49.060

This document specifies the dimensions, tolerances, required characteristics and the mass of an AWG 24 shielded quad cable, type KD, intended for high speed (100 Mbit/s) full duplex Ethernet networks. Linked to this particular application, the operating temperatures of the cable are between -65 °C and 125 °C.

The cable resists a long-term temperature between −65 °C and +200 °C.

Moreover, cable materials are compatible with 200 °C peak exposure.

This cable is laser markable, this marking satisfies the requirements of EN 3838.

The characteristics impedance is $(100 \pm 15) \Omega$.

SIST EN 3645-002:2024

2024-04 (po) (en;fr;de) 54 str. (J)

Aeronavtika - Konektorji, električni, okrogli, zaščiteni kontakt, hitra spojka z navojem, stalna delovna temperatura 175 °C ali 200 °C - 002. del: Specifikacija lastnosti in razporeditev kontaktov Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 002: Specification of performance and contact arrangements

| Osnova: | EN 3645-002:2024 |
|---------|-------------------|
| ICS: | 31.220.10, 49.060 |

This document defines the performances and contact arrangements for threaded ring coupling circular connectors, fire resistant or non-fire resistant, intended for use in a temperature range from -65 °C to 175 °C or 200 °C continuous.



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