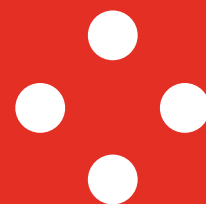


IZVLEČKI V ANGLEŠČINI



Objave SIST • Announcements SIST

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Izvečki iz novih slovenskih nacionalnih standardov v angleškem jeziku

SIST/TC AGO Alternativna goriva iz odpadkov

SIST EN ISO 16559:2022

2022-04 (po) (en;fr;de)

Trdna biogoriva - Slovar (ISO 16559:2022)

Solid biofuels - Vocabulary (ISO 16559:2022)

Osnova: EN ISO 16559:2022

ICS: 01.040.75, 75.160.20

SIST EN ISO 16559:2014

37 str. (H)

This international standard determines the terminology and definitions for solid biofuels. According to the scope of the ISO/TC 238 this standard only includes raw and processed material originating from

- forestry and arboriculture,
- agriculture and horticulture,
- aquaculture

NOTE 1 Raw and processed material includes woody, herbaceous, fruit and aquatic biomass from the sectors mentioned above.

NOTE 2 Chemically treated material does not include halogenated organic compounds or heavy metals at levels higher than those in typical virgin material values or higher than typical values of the country of origin.

Materials originating from different recycling processes of end-of-life-products are not within the scope but relevant terms are included for information. Areas covered by ISO/TC28/SC7 "Liquid biofuels" and ISO/TC193 "Natural gas" are excluded.

Other standards with a different scope than this International Standard may have different definitions than this standard.

SIST/TC AGR Agregati

SIST EN 1744-4:2022

2022-04 (po) (en;fr;de)

Preskusi kemičnih lastnosti agregatov - 4. del: Ugotavljanje občutljivosti polnil za bitumenske mešanice na vodo

Tests for chemical properties of aggregates - Part 4: Determination of water susceptibility of fillers for bituminous mixtures

Osnova: EN 1744-4:2021

ICS: 91.100.15

SIST EN 1744-4:2005

23 str. (F)

This document specifies the procedure for the determination of the water susceptibility of fillers for bituminous mixtures, by separation of filler from a bitumen filler mixture.

A method for the determination of water susceptibility by volume increase and loss of stability of a Marshall specimen is described in Annex A.

SIST/TC AKU Akustika

SIST EN ISO 3382-3:2022

SIST EN ISO 3382-3:2012

2022-04 (po) (en;fr;de) 25 str. (F)

Akustika - Merjenje parametrov prostorske akustike - 3. del: Velike odprte pisarne (ISO 3382-3:2022)
Acoustics - Measurement of room acoustic parameters - Part 3: Open plan offices (ISO 3382-3:2022)

Osnova: EN ISO 3382-3:2022

ICS: 17.140.01, 91.120.20

This document specifies a method for the measurement of room acoustic parameters in unoccupied open-plan offices. It specifies measurement procedures, the apparatus needed, the coverage required, the method for evaluating the data, and the presentation of the test report.

This document describes a group of single-number quantities indicating the room acoustic performance of an open-plan office in a condition when one person is speaking. They focus on spatial decay of speech while the quantities in ISO 3382-2 focus on temporal decay of sound

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

SIST EN IEC 60958-1:2022

SIST EN 60958-1:2008

SIST EN 60958-1:2008/A1:2014

2022-04 (po) (en;fr;de) 33 str. (H)

Digitalni zvokovni vmesnik - 1. del: Splošno (IEC 60958-1:2021)

Digital audio interface - Part 1: General (IEC 60958-1:2021)

Osnova: EN IEC 60958-1:2021

ICS: 35.200, 33.160.30

This part of IEC 60958 describes a serial, uni-directional, self-clocking interface for the interconnection of digital audio equipment for consumer and professional applications.

It provides the basic structure of the interface. Separate documents define items specific to particular applications.

The interface is primarily intended to carry monophonic or stereophonic programmes, encoded using linear PCM and with a resolution of up to 24 bits per sample.

When used for other purposes, the interface is able to carry audio data coded other than as linear PCM coded audio samples. Provision is also made to allow the interface to carry data related to computer software, multimedia technologies, or signals coded using non-linear PCM.

The format specification for these applications is not part of this document.

The interface is intended for operation at audio sampling frequencies of 32 kHz and above. Auxiliary information is transmitted along with the programme.

SIST EN IEC 60958-3:2022

SIST EN 60958-3:2007

SIST EN 60958-3:2007/A1:2010

SIST EN 60958-3:2007/A2:2015

2022-04 (po) (en;fr;de) 70 str. (K)

Digitalni zvokovni vmesnik - 3. del: Porabniške aplikacije (IEC 60958-3:2021)

Digital audio interface - Part 3: Consumer applications (IEC 60958-3:2021)

Osnova: EN IEC 60958-3:2021

ICS: 35.200, 33.160.30

This part of IEC 60958 specifies the consumer application of the interface for the inter connection of digital audio equipment defined in IEC 60958-1.

NOTE When used in a consumer digital processing environment, the interface is primarily intended to carry stereophonic programmes, with a resolution of up to 20 bits per sample, an extension to 24 bits per sample being possible.

SIST EN IEC 63002:2022

SIST EN 63002:2018

2022-04 (po) (en;fr;de) 40 str. (H)

Specifikacije in komunikacijske metode medobratovalnosti zunanjih napajalnikov, ki se uporabljajo pri računalniških in potrošniških elektronskih napravah (IEC 63002:2021)

Interoperability specifications and communication method for external power supplies used with computing and consumer electronics devices (IEC 63002:2021)

Osnova: EN IEC 63002:2021

ICS: 31.020, 35.020

This International Standard defines common charging interoperability guidelines for power sources (external power supplies (EPS) and other Sources) used with computing and consumer electronics devices that implement the IEC 62680-1-3: USB Type-C®1 Cable and Connector Specification.

This document defines normative requirements for an EPS to ensure interoperability, in particular it specifies the data communicated from a power source to a device (Figure 1) and certain safety elements of the EPS, cable, and device. While the requirements focus of this document is on the EPS (External Power Supply) and the behavior at its USB Type-C connector interface, it is also important to comprehend cable assembly and device capabilities and behaviors in order to assure end-to-end charging interoperability. The scope does not apply to all design aspects of an EPS. An EPS compliant with this standard is also expected to follow other applicable global standards and regulatory compliance requirements for aspects such as product safety, EMC and energy efficiency.

This International Standard provides recommendations for the behavior of a device when used with a power source compliant with this document. This International Standard specifies the minimum hardware specification for an EPS implementing IEC 62680-1-3: USB Type-C. This document also specifies the data objects used by a charging system utilizing IEC 62680-1-2: USB Power Delivery Specification to understand the identity, design and performance characteristics, and operating status of an external power supply. IEC 62680-1-2 and IEC 62680-1-3 focus on power delivery applications ranging to 100W for a variety of computing and consumer electronic devices including notebook computers, tablets, smartphones, small form-factor desktops, monitor displays and other related multimedia devices.

Future updates to IEC 62680-1-2 and IEC 62680-1-3 specifications will extend to enable power delivery applications that require more than 100W while remaining within the technical limitations of the USB Type-C cable and connector solution.

This document relies on established mechanical and electrical specifications, and communication protocols specified by IEC 62680-1-2 and IEC 62680-1-3. These specifications support methods for establishing the best performing interoperability between untested combinations of EPS and devices with the aim of improving consumer satisfaction.

Information describing the USB charging interoperability model, overview of USB Type-C and USB Power Delivery specifications, and factors for charging performance are also provided to support implementation of this standard.

SIST EN IEC 63087-1:2022**2022-04 (po) (en;fr;de) 13 str. (D)**

Pomožni slušni aparati in sistemi za aktivno življenje s pomočjo - 1. del: Splošno (IEC 63087-1:2021)

Assistive listening devices and systems for active assisted living - Part 1: General (IEC 63087-1:2021)

Osnova: EN IEC 63087-1:2021

ICS: 33.160.30

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

SIST EN IEC 63246-1:2022**2022-04** (po) (en;fr;de) **20 str. (E)**

Nastavljiva avtomobilska informacijska vzdrževalna storitev (CCIS) - 1. del: Splošno (IEC 63246-1:2021)

Configurable Car Infotainment Service (CCIS) - Part 1: General (IEC 63246-1:2021)

Osnova: EN IEC 63246-1:2021

ICS: 43.040.15

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

SIST EN IEC 63296-1:2022**2022-04** (po) (en;fr;de) **18 str. (E)**

Prenosna multimedijška oprema - Določanje življenjske dobe baterije - 1. del: Zvočniki z lastnim napajanjem (IEC 63296-1:2021)

Portable multimedia equipment - Determination of battery duration - Part 1: Powered loudspeaker equipment (IEC 63296-1:2021)

Osnova: EN IEC 63296-1:2021

ICS: 33.160.50

This document specifies the methods for measuring the battery duration at defined sound pressure levels for continuous music playback of battery powered loudspeaker equipment. A primary battery or secondary battery can be used as a power source for the loudspeaker and its composite equipment. In case of composite equipment this method for the measurement of battery duration can be applied under the condition of powered loudspeaker playback only. NOTE Loudspeakers designed for short hearing distance are not in the scope of this document.

SIST/TC BBB Beton, armirani beton in prednapeti beton**SIST EN 12350-7:2019/AC:2022****2022-04** (po) (en;fr;de) **3 str. (AC)**

Preskušanje svežega betona - 7. del: Vsebnost zraka - Metode s pritiskom - Popravek AC

Testing fresh concrete - Part 7: Air content - Pressure methods

Osnova: EN 12350-7:2019/AC:2022

ICS: 91.100.30

Popravek k standardu SIST EN 12350-7:2019.

Ta evropski standard opisuje metodi za določanje vsebnosti zraka v stisnjenem svežem betonu, ki je izdelan iz običajno težkega agregata ali relativno gostega agregata in pri katerem je deklarirana vrednost D najbolj grobega agregata, ki je dejansko uporabljen v betonu, manjša od 63 mm.

Preskus ni primeren za betone s posedi manj kot 10 mm.

OPOMBA: Nobena od metod se ne uporablja za betone, izdelane iz lahkih agregatov, zračno hlajene plavžne žlindre ali agregatov z visoko poroznostjo, in sicer zaradi magnitude korekcijskega faktorja agregata v primerjavi z vsebnostjo primešanega zraka v betonu.

SIST/TC CES Ceste**SIST EN 12697-15:2022****2022-04** (po) (en;fr;de) **10 str. (C)**

SIST EN 12697-15:2004

Bitumenske zmesi - Preskusne metode - 15. del: Ugotavljanje občutljivosti na segregacijo
Bituminous mixtures - Test methods - Part 15: Determination of the segregation sensitivity

Osnova: EN 12697-15:2022

ICS: 93.080.20

This document specifies a test method for the determination of the mixing quality and the tendency of segregation in composition of hot bituminous mixtures. This test method is considered suitable for mix-design purposes and for client information.

NOTE This test method is based on hot bituminous mixtures. There is no experience for other types of bituminous mixtures, e.g. asphalt concrete with bituminous emulsions.

SIST EN 12697-49:2022

SIST EN 12697-49:2014

2022-04 (po) (en;fr;de) 30 str. (G)

Bitumenske zmesi - Preskusne metode - 49. del: Ugotavljanje tornih sposobnosti po poliranju
Bituminous mixtures - Test methods - Part 49: Determination of friction after polishing

Osnova: EN 12697-49:2022

ICS: 93.080.20

This document describes a test method to determine the friction at 60 km/h after polishing during a fixed number of passes on surfaces of bituminous mixtures samples, or to follow its evolution as a function of the number of polishing passes.

The samples used are either produced in a laboratory or are cores taken from the site.

NOTE This procedure was previously known as Wehner and Schulze method (see [1]).

SIST EN 12697-7:2022

SIST EN 12697-7:2014

2022-04 (po) (en;fr;de) 11 str. (C)

Bitumenske zmesi - Preskusne metode - 7. del: Ugotavljanje gostote bitumenskih preskušancev z žarki gama

Bituminous mixtures - Test methods - Part 7: Determination of the bulk density of bituminous specimens by gamma rays

Osnova: EN 12697-7:2022

ICS: 93.080.20

This document specifies a method for measuring the bulk density of pavement mixtures using a transmission-type gamma radiation test bench.

This method applies to cylindrical specimens or blocks, prepared in a laboratory or cut from a pavement, the thickness and the mass absorption coefficient which is a function of the chemical composition are known. The thickness of the specimen body traversed by the radiation shall be between 30 mm and 300 mm.

The method cannot be applied to materials containing slags, with variable metal content or chemical composition.

NOTE Material containing metal or chemical compositions can affect the absorption of gamma rays.

SIST/TC IEHT Elektrotehnika - Hidravlične turbine

SIST EN IEC 61400-50-3:2022

2022-04 (po) (en) 81 str. (M)

Sistemi za proizvodnjo energije na veter - 50-3. del: Uporaba na gondolo pritrjenih merilnikov LiDAR za meritve vetra (IEC 61400-50-3:2022)

Wind energy generation systems - Part 50-3: Use of nacelle mounted lidars for wind measurements (IEC 61400-50-3:2022)

Osnova: EN IEC 61400-50-3:2022

ICS: 27.180

The purpose of this part of IEC 61400 is to describe procedures and methods that ensure that wind measurements using nacelle-mounted wind lidars are carried out and reported consistently and according to best practice. This document does not prescribe the purpose or use case of the wind measurements. However, as this document forms part of the IEC 61400 series of standards, it is anticipated that the wind measurements will be used in relation to some form of wind energy test or resource assessment. The scope of this document is limited to forward-looking nacelle-mounted wind

lidars (i.e. the measurement volume is located upstream of the turbine rotor). This document aims to be applicable to any type and make of nacelle-mounted wind lidar. The method and requirements provided in this document are independent of the model and type of instrument, and also of the measurement principle and should allow application to new types of nacelle-mounted lidar. This document aims to describe wind measurements using nacelle-mounted wind lidar with sufficient quality for the use case of power performance testing (according to IEC 61400-12-1:2017). Readers of this document should consider that other use cases may have other specific requirements. This document only provides guidance for measurements in flat terrain and offshore as defined in IEC 61400-12-1:2017, Annex B. Application to complex terrain has been excluded from the scope due to limited experience at the time of writing this document. Corrections for induction zone or blockage effects are not included in the scope of this document. However, such correction or uncertainty estimation due to blockage effects may be applied if required by the use case, under the responsibility of the user. The purpose of this document is to provide guidance for wind measurements. HSE requirements (e.g. laser operation) are out of the scope of this document although they are important.

SIST/TC IEMO Električna oprema v medicinski praksi

SIST EN IEC 61223-3-7:2022

2022-04 (po) (en) **44 str. (I)**

Vrednotenje in rutinsko preskušanje v medicinskih oddelkih za slikanje - 3-7. del: Preskusi sprejemljivosti in konstantnosti - Slikovni učinek rentgenske opreme za računalniško tomografijo s stožčastim snopom (IEC 61223-3-7:2021)

Evaluation and routine testing in medical imaging departments - Part 3-7: Acceptance and constancy tests - Imaging performance of X-ray equipment for dental cone beam computed tomography (IEC 61223-3-7:2021)

Osnova: EN IEC 61223-3-7:2022

ICS: 11.040.50

This part of IEC 61223 applies to DENTAL CONE-BEAM COMPUTED TOMOGRAPHY X-RAY EQUIPMENT, hereafter also called DENTAL CBCT EQUIPMENT, that conforms to IEC 60601-2-63:2012+AMD1:2017+AMD2:2021.

NOTE 1 DENTAL CBCT EQUIPMENT is a subset of DENTAL EXTRA-ORAL X-RAY EQUIPMENT.

NOTE 2 DENTAL EXTRA-ORAL X-RAY EQUIPMENT can provide one or more of PANORAMIC, CEPHALOMETRIC, tomosynthesis and DENTAL CBCT imaging modalities, all of which are in the scope of the IEC 60601-2-63 basic safety and performance standard.

This document applies to ACCEPTANCE TESTS and CONSTANCY TESTS on DENTAL CONE-BEAM COMPUTED TOMOGRAPHY X-RAY EQUIPMENT.

The aim of ACCEPTANCE TESTS is to verify compliance of the installation or MAJOR SERVICE ACTION with specifications affecting the image quality, RADIATION OUTPUT and PATIENT positioning. The requirements specified in this document are minimal requirements. The MANUFACTURER can establish criteria for the tests described here that exceed the levels contained in this document. CONSTANCY TESTS are performed to ensure that the functional performance of ME EQUIPMENT meets established criteria and to enable the early recognition of changes in the properties of components of the ME EQUIPMENT, and to verify compliance with specifications affecting the image quality, RADIATION OUTPUT and PATIENT positioning.

This document also contains requirements for the ACCOMPANYING DOCUMENTS associated with ACCEPTANCE AND CONSTANCY TESTING of the DENTAL CBCT EQUIPMENT.

This document does not apply to:

- aspects of thermal, EMD (electromagnetic disturbances), mechanical and electrical safety;
- aspects of mechanical, electrical and software performance, unless they are essential for performing the ACCEPTANCE TESTS and CONSTANCY TESTS, and directly affect image quality, RADIATION OUTPUT and PATIENT positioning.

NOTE 3 Such aspects are generally addressed by IEC 60601-1 (all parts).

Equipment in the scope of IEC 61223-3-5 is excluded from the scope of this document.

DENTAL EXTRA-ORAL X-RAY EQUIPMENT can provide modalities which are in the scope of IEC 61223-3-4. In this case, the respective clauses of the IEC 61223-3-4 apply.

The object of this document is to establish:

- the essential parameters which describe the performance of DENTAL CBCT EQUIPMENT with regard to the image quality, RADIATION OUTPUT and PATIENT positioning;
- methods of testing and whether measured quantities related to those parameters comply with the specified requirements.

These methods rely on non-invasive measurements performed once the installation or a MAJOR SERVICE ACTION is completed.

SIST EN IEC 81001-5-1:2022

2022-04 (po) (en) **59 str. (J)**

Programska oprema ter varnost, učinkovitost in zaščita informacijskih sistemov v zdravstvu - 5-1. del: Varnost - Dejavnosti življenjskega cikla izdelka (IEC 81001-5-1:2021)

Health software and health IT systems safety, effectiveness and security - Part 5-1: Security - Activities in the product life cycle (IEC 81001-5-1:2021)

Osnova: EN IEC 81001-5-1:2022

ICS: 11.040.01, 35.030, 35.240.80

1.1 Purpose

This document defines the LIFE CYCLE requirements for development and maintenance of HEALTH SOFTWARE needed to support conformity to IEC 62443-4-1 - taking the specific needs for HEALTH SOFTWARE into account. The set of PROCESSES, ACTIVITIES, and TASKS described in this document establishes a common framework for secure HEALTH SOFTWARE LIFE CYCLE PROCESSES.

[Fig. 1]

The purpose is to increase the information SECURITY of HEALTH SOFTWARE by establishing certain ACTIVITIES and TASKS in the HEALTH SOFTWARE LIFE CYCLE PROCESSES and also by increasing the SECURITY of SOFTWARE LIFE CYCLE PROCESSES themselves.

It is important to maintain an appropriate balance of the key properties SAFETY, effectiveness and SECURITY as discussed in IEC 81001-1.

This document excludes specification of ACCOMPANYING DOCUMENTATION contents.

1.2 Field of application

This document applies to the development and maintenance of HEALTH SOFTWARE by a MANUFACTURER, but recognizes the critical importance of bi-lateral communication with organizations (e.g. HDOs) who have SECURITY responsibilities for the HEALTH SOFTWARE and the systems it is incorporated into, once the software has been developed and released. The IEC/ISO 81001-5 series of standards (for which this is part 1, is therefore being designed to include future parts addressing SECURITY that apply to the implementation, operations and use phases of the LIFE CYCLE for organizations such as HDOs.

Medical device software is a subset of HEALTH SOFTWARE. Therefore, this document applies to:

- Software as part of a medical device;
- Software as part of hardware specifically intended for health use;
- Software as a medical device (SaMD); and
- Software-only PRODUCT for other health use.

Note: In this document, the scope of software considered part of the LIFE CYCLE ACTIVITIES for secure HEALTH SOFTWARE is larger and includes more software (drivers, platforms, operating systems) than for SAFETY, because for SECURITY the focus will be on any use including foreseeable unauthorized access rather than just the INTENDED USE.

[Fig. 2]

1.3 Conformance

HEALTH SOFTWARE conformance with this document is defined as implementing all of the PROCESSES, ACTIVITIES, and TASKS identified in the normative parts of this document - with the exception of Annex F.

Conformance of TRANSITIONAL HEALTH SOFTWARE with Annex F of this document is defined as only implementing the PROCESSES, ACTIVITIES, and TASKS identified in Annex F of this document.

Conformance is determined by inspection and establishing traceability of the PROCESSES, ACTIVITIES and TASKS required.

The quality management system may be implemented according to ISO 13485 or other equivalent quality management system standards.

IEC 62304 specifies ACTIVITIES, based on the software SAFETY classification. The required ACTIVITIES are indicated in the normative text of IEC 62304 as "[Class A, B, C]", "[Class B, C]" or "[Class C]", indicating that they are required selectively depending on the classification of the software to which they apply. The requirements in this document have a special focus on information SECURITY and therefore do not follow the concept of SAFETY classes. For conformity to this document the selection of ACTIVITIES is independent of SAFETY classes.

Implementing the PROCESSES, ACTIVITIES and TASKS specified in this document is sufficient to implement the PROCESS requirements of IEC 62443-4-1. MANUFACTURERS may implement the specifications for Annex E in order to achieve full conformity to IEC 62443-4-1.

This document requires establishing one or more PROCESSES that comprise of identified ACTIVITIES. The LIFE CYCLE PROCESSES shall implement these ACTIVITIES. None of the requirements in this document requires to implement these ACTIVITIES as one single PROCESS or as separate PROCESSES. The ACTIVITIES specified in this document will typically be part of an existing LIFE CYCLE PROCESS.

SIST/TC IFEK Železne kovine

SIST EN 10202:2022

SIST EN 10202:2002
SIST EN 10202:2002/AC:2004

2022-04 (po) (en;fr;de) 63 str. (K)

Hladno valjani jekleni izdelki za embalažo - Elektrolizno pokositreni in pokromani izdelki
Cold reduced tinmill products - Electrolytic tinsplate and electrolytic chromium/chromium oxide coated steel

Osnova: EN 10202:2022

ICS: 77.140.50

This document specifies requirements for tinmill products in the form of sheets or coils. Tinmill products consist of single and double reduced low carbon mild steel electrolytically coated with either tin (tinsplate) or chromium/chromium oxide (ECCS) or (ECCS-RC) (see 3.3).

Single reduced tinmill products are specified in nominal thicknesses that are multiples of 0,005 mm from 0,16 mm up to and including 0,49 mm. Double reduced tinmill products are specified in nominal thicknesses that are multiples of 0,005 mm from 0,12 mm up to and including 0,29 mm.

NOTE 1 Other thicknesses can be ordered upon agreement.

This document applies to coils and sheets cut from coils in nominal minimum widths of 600 mm.

NOTE 2 Standard width coils for specific uses, e.g. tabstock, can be slit into narrow strip for supply in coil form.

SIST EN ISO 683-3:2022

SIST EN ISO 683-3:2019

2022-04 (po) (en;fr;de) 45 str. (I)

Toplotno obdelana, legirana in avtomatna jekla - 3. del: Cementacijska jekla (ISO 683-3:2022)
Heat-treatable steels, alloy steels and free-cutting steels - Part 3: Case-hardening steels (ISO 683-3:2022)

Osnova: EN ISO 683-3:2022

ICS: 77.140.20, 77.140.10

This document specifies the technical delivery requirements for – semi-finished products, hot formed (e.g. blooms, billets, slabs) (see NOTE 1), – bars (see NOTE 1), – wire rod, – finished flat products, and – hammer or drop forgings (see NOTE 1) manufactured from the case-hardening non-alloy or alloy steels listed in Table 3 and supplied in one of the heat-treatment conditions given for the different types of products in Table 1 and in one of the surface conditions given in Table 2. The steels are, in general, intended for the manufacture of case-hardened machine parts. NOTE 1 Hammer-forged semi-finished products (blooms, billets, slabs, etc.), seamless rolled rings and hammerforged bars are covered under semi-finished products or bars and not under the term "hammer and drop forgings". NOTE 2 For International Standards relating to steels conforming with the requirements for the chemical composition in Table 3, however, supplied in other product forms or treatment conditions than given above or intended for special applications, and for other related International Standards, see the Bibliography.

SIST/TC IHPV Hidravlika in pnevmatika

SIST EN 558:2022

SIST EN 558:2017

2022-04 (po) (en;fr;de) 53 str. (J)

Industrijski ventili - Vgradne dolžine kovinskih ventilov za cevovode s prirobnicami - Ventili, označeni po PN in Class

Industrial valves - Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems - PN and Class designated valves

Osnova: EN 558:2022

ICS: 23.060.01

This document specifies the "face-to-face" (FTF) and "centre-to-face" (CTF) dimensions for PN and Class designated metal valves used in flanged pipe systems.

This document covers valves with the following PN, Class and DN values:

- PN 2,5; PN 6; PN 10; PN 16; PN 25; PN 40; PN 63; PN 100; PN 160; PN 250; PN 320; PN 400;

- Class 125; Class 150; Class 250; Class 300; Class 600; Class 900; Class 1 500; Class 2 500;

- DN 10; DN 15; DN 20; DN 25; DN 32; DN 40; DN 50; DN 65; DN 80; DN 100; DN 125; DN 150; DN 200; DN 250; DN 300; DN 350; DN 400; DN 450; DN 500; DN 600; DN 700; DN 750; DN 800; DN 900; DN 1 000; DN 1050; DN 1 200; DN 1 400; DN 1 600; DN 1 800; DN 2 000.

For valves in other shell materials than metal the same FTF and CTF dimensions may be used.

For relationship between DN and NPS, see Annex B.

SIST ISO 7425-1:2022

SIST ISO 7425-1:1997

2022-04 (po) (en;fr;de) 13 str. (D)

Fluidna tehnika - Hidravlika - Mere in tolerance gnezd za z elastomerom - prednapeta plastična tesnila - 1. del: Gnezda batnih tesnilk

Hydraulic fluid power cylinders - Dimensions and tolerances of housings for elastomer-energized, plastic-faced seals - Part 1: Piston seal housings

Osnova: ISO 7425-1:2021

ICS: 23.100.20

This document specifies the dimensions and associated tolerances for a series of hydraulic cylinder piston seal housings to accommodate elastomer-energized, plastic-faced seals used in reciprocating applications.

This document does not stipulate details of seal design, since the manner of construction of seals varies with each manufacturer. The design and material of the seals, and any associated anti-extrusion components, are determined by conditions such as temperature and pressure.

This document only applies to the dimensional characteristics of products manufactured in accordance with this document. It does not apply to their functional characteristics.

SIST ISO 7425-2:2022

SIST ISO 7425-2:1997

2022-04 (po) (en;fr;de) 13 str. (D)

Fluidna tehnika - Hidravlika - Mere in tolerance gnezd za z elastomerom - prednapeta plastična tesnila - 2. del: Gnezda batničnih tesnilk

Hydraulic fluid power cylinders - Dimensions and tolerances of housings for elastomer-energized, plastic-faced seal - Part 2: Rod seal housings

Osnova: ISO 7425-2:2021

ICS: 23.100.20

This document specifies the dimensions and associated tolerances for a series of hydraulic cylinder rod seal housings to accommodate elastomer-energized, plastic-faced seals used in reciprocating applications.

This document does not stipulate details of seal design, since the manner of construction of seals varies with each manufacturer. The design and material of the seals, and any incorporated anti-extrusion components, are determined by conditions such as temperature and pressure.

This document only applies to the dimensional characteristics of products manufactured in accordance with this document. It does not apply to their functional characteristics.

SIST/TC IMKF Magnetne komponente in feritni materiali

SIST EN IEC 63182-3:2022

2022-04 (po) (en) **15 str. (D)**

Jedra iz magnetnega prahu - Smernice o merah in mejnih vrednostih površinskih nepravilnosti - 3. del: E-jedra

Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 3: E-cores

Osnova: EN IEC 63182-3:2022

ICS: 29.100.10

This part of IEC 63182 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of E-cores made of metallic magnetic powder, the essential dimensions of coil formers to be used with them as well as the effective parameter values to be used in calculations involving them, and gives guidelines on allowable limits of surface irregularities applicable to E-cores. This document is a specification useful in the negotiations between magnetic powder core suppliers and users about surface irregularities. The use of "derived" standards which give more detailed specifications of component parts while still permitting compliance with this document is discussed in Annex A.

SIST/TC IMKG Mehanizacija za kmetijstvo in gozdarstvo

SIST EN ISO 17962:2015/A1:2022

2022-04 (po) (en;fr;de) **11 str. (C)**

Kmetijski stroji - Oprema za sejanje - Zmanjšanje vplivov izpuhov iz pnevmatskih sistemov na okolje - Dopolnilo A1 (ISO 17962:2015/Amd 1:2021)

Agricultural machinery - Equipment for sowing - Minimization of the environmental effects of fan exhaust from pneumatic systems - Amendment 1 (ISO 17962:2015/Amd 1:2021)

Osnova: EN ISO 17962:2015/A1:2022

ICS: 65.060.30

Amandma A1:2022 je dodatek k standardu SIST EN ISO 17962:2015.

Ta mednarodni standard (tehnična specifikacija) določa različna sredstva za zmanjšanje vplivov izpuhov iz pnevmatskih sistemov za kmetijsko opremo za podtlačno setev (sejanje) obloženih semen. Uporabe načel projektiranja, izračunov in metod preskušanja so sprejemljivi načini zmanjšanja vplivov izpuhov. Uporablja se za sisteme za podtlačno sejanje (setev), kjer se lahko »prašni« (ubežni) material iz obloge semen zmeša z vhodnim zrakom ventilatorja in izpusti v ozračje. Ta mednarodni standard (tehnična specifikacija) se ne uporablja za: – transportne sisteme med glavnim zbiralnikom in oddaljenimi merilniki, kjer se zrak izpusti pri oddaljenih merilnikih; – transportne sisteme, kjer je merilnik ob glavnem zbiralniku in je izpust zraka ob napravi za odpiranje pri tleh. Ta mednarodni standard (tehnična specifikacija) se ne uporablja za pnevmatsko opremo za sejanje, ki je bila izdelana, preden je bil standard objavljen. OPOMBA: Veljajo lahko strožje nacionalne ali lokalne zahteve. OPOMBA: Primeri sistemov so prikazani v dodatku D.

SIST/TC IPKZ Protikorozijska zaščita kovin

SIST EN ISO 10270:2022

SIST EN ISO 10270:2008

2022-04 (po) (en;fr;de) **24 str. (F)**

Korozija kovin in zlitin - Preskušanje vodne korozije cirkonijevih zlitin za uporabo v jedrskih reaktorjih (ISO 10270:2022)

Corrosion of metals and alloys - Aqueous corrosion testing of zirconium alloys for use in nuclear power reactors (ISO 10270:2022)

Osnova: EN ISO 10270:2022

ICS: 27.120.99, 77.060

This document specifies: a) the determination of mass gain; b) the surface inspection of products of zirconium and its alloys when corrosion is tested in water at 360 °C or in steam at or above 400 °C; c) the performance of tests in steam at 10,3 MPa. This document is applicable to wrought products, castings, powder metallurgy products and weld metals. This method has been widely used in the development of new alloys, heat-treating practices and for the evaluation of welding techniques. It is applicable for use in its entirety to the extent specified for a product acceptance test, rather than merely a means of assessing performance in service.

SIST EN ISO 9220:2022

SIST EN ISO 9220:1999

2022-04 (po) (en;fr;de) **19 str. (E)**

Kovinske prevleke - Merjenje debeline prevleke - Postopek z vrstičnim elektronskim mikroskopom (ISO 9220:2022)

Metallic coatings - Measurement of coating thickness - Scanning electron microscope method (ISO 9220:2022)

Osnova: EN ISO 9220:2022

ICS: 17.040.20, 25.220.40

This document specifies a destructive method for the measurement of the local thickness of metallic and other inorganic coatings by examination of cross-sections with a scanning electron microscope (SEM). The method is applicable for thicknesses up to several millimetres, but for such thick coatings it is usually more practical to use a light microscope (see ISO 1463). The lower thickness limit depends on the achieved measurement uncertainty (see Clause 10). NOTE The method can also be used for organic layers when they are neither damaged by the preparation of the cross-section nor by the electron beam during imaging

SIST/TC IPMA Polimerni materiali in izdelki

SIST EN ISO 10365:2022

SIST EN ISO 10365:1998

2022-04 (po) (en;fr;de) **10 str. (C)**

Lepila - Označevanje glavnih načinov porušitev (ISO 10365:2022)

Adhesives - Designation of main failure patterns (ISO 10365:2022)

Osnova: EN ISO 10365:2022

ICS: 83.180

This document specifies the designations for the main types of failure pattern of bonded assemblies and illustrates, through diagrams, their respective appearances.

This document applies to all mechanical tests performed on a bonded assembly, regardless of the nature of the adherends and adhesive which make up the assembly.

SIST EN ISO 11339:2022

SIST EN ISO 11339:2011

2022-04 (po) (en;fr;de) **13 str. (D)**

Lepila - T-preskus luščenja za lepljenje dveh gibkih lepljencev (ISO 11339:2022)

Adhesives - T-peel test for flexible-to-flexible bonded assemblies (ISO 11339:2022)

Osnova: EN ISO 11339:2022

ICS: 83.180

This document specifies a T-peel test for the determination of the peel resistance of an adhesive by measuring the peeling force of a T-shaped bonded assembly of two flexible adherends. This test procedure does not provide design information. NOTE This method was originally developed for use with metal adherends but other, flexible, adherends can also be used.

SIST EN ISO 15527:2022

SIST EN ISO 15527:2019

2022-04 (po) (en;fr;de) 18 str. (E)

Polimerni materiali - Kompresijsko brizgane polietilenske plošče (PE-UHMW, PE-HD) - Zahteve in preskusne metode (ISO 15527:2022)

Plastics - Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) - Requirements and test methods (ISO 15527:2022)

Osnova: EN ISO 15527:2022

ICS: 83.140.10

This document specifies the requirements and test methods for solid flat compression-moulded sheets of polyethylene (PE-UHMW and PE-HD, see ISO 1043-1) without fillers or reinforcing materials. It applies only to thicknesses from 10 mm to 200 mm

SIST EN ISO 8985:2022

SIST EN ISO 8985:1999

2022-04 (po) (en;fr;de) 31 str. (G)

Polimerni materiali - Termoplastični kopolimer etilena in vinil acetata (EVAC-kopolimer) - Ugotavljanje deleža vinil acetata (ISO 8985:2022)

Plastics - Ethylene/vinyl acetate copolymer (EVAC) thermoplastics - Determination of vinyl acetate content (ISO 8985:2022)

Osnova: EN ISO 8985:2022

ICS: 83.080.20

This document specifies two categories of method for the determination of the vinyl acetate (VAC) content of ethylene/vinyl acetate (EVAC) copolymer, for use in the designation of such copolymers according to ISO 21301-1. One category is referred to as "reference methods", the other as "test methods". The "reference methods" are used to calibrate the method used for the determination of the vinyl acetate content of ethylene/vinyl acetate copolymers. The "test methods" are other methods which can be used for the determination if they are calibrated using one of the reference methods described in Clause 4, provided they show a certain permissible repeatability.

SIST/TC ISEL Strojni elementi**SIST ISO 6691:2022****2022-04 (po) (en;fr;de) 32 str. (G)**

Termoplastični polimeri za drsne ležaje - Razvrstitev in poimenovanje

Thermoplastic polymers for plain bearings - Classification and designation

Osnova: ISO 6691:2021

ICS: 83.080.20, 21.100.10

This document specifies a classification and designation system for a selection of the most common unfilled thermoplastic polymers for plain bearings.

The unfilled thermoplastic polymers are classified on the basis of appropriate levels of distinctive properties, additives and information about their application for plain bearings. The designation system does not include all properties; thermoplastic polymers having the same designation cannot therefore be interchanged in all cases.

It also provides an outline of the properties and applications of the most common unfilled thermoplastic polymers as well as listing some of the fundamental parameters that influence the selection of thermoplastic polymers for use for plain bearings.

NOTE In the further course of the work, it is intended to prepare standards on "thermosetting polymers" and "mixed polymer for plain bearings."

SIST ISO 7905-2:2022

2022-04 (po) (en;fr;de) **8 str. (B)**

Drsni ležaji - Utrujanje ležaja - 2. del: Preskušanje kovinskega drsnega materiala z vzorčnim valjem
Plain bearings - Bearing fatigue - Part 2: Test with a cylindrical specimen of a metallic bearing material

Osnova: ISO 7905-2:2021

ICS: 21.100.10

This document specifies Φ° method for the determination of the endurance limit in fatigue of bearing materials alone (not attached to steel backing).

SIST-TP ISO/TR 10657:2022

2022-04 (po) (en;fr;de) **44 str. (I)**

Zapisek razlag k standardu ISO 76

Explanatory notes on ISO 76

Osnova: ISO/TR 10657:2021

ICS: 21.100.20

This document specifies supplementary background information regarding the derivation of formulae and factors given in ISO 76:2006.

SIST/TC ISS SPL.GPO Gradnja stavb

SIST ISO 21542:2022

SIST ISO 21542:2012

2022-04 (po) (en;fr;de) **177 str. (R)**

Gradnja stavb - Dostopnost in uporabnost grajenega okolja

Building construction - Accessibility and usability of the built environment

Osnova: ISO 21542:2021

ICS: 11.180.01, 91.060.01

This document specifies a range of requirements and recommendations for the elements of construction, building assemblies, components, fittings and products that relate to the design and constructional aspects of usability and accessibility of buildings, i.e. access to buildings, circulation within buildings, egress from buildings during normal conditions, and evacuation in the event of a fire. This document also applies to the common spaces in multi-unit residential buildings. Recommendations regarding residential units are given in Annex A.

This document also contains provisions with respect to outdoor features directly concerned with access to a building or a group of buildings from a relevant site boundary, or between such a group of buildings within a common site. This document does not deal with elements of the external environment, such as public open spaces, whose function is self-contained and unrelated to the use of a specific building.

This document is applicable to new buildings and new work in existing buildings.

This document introduces the concept of exceptional considerations for existing buildings for situations where it is exceptionally difficult to meet the requirements specified and, thus, impossible to provide full accessibility. By means of exceptional considerations for existing buildings, an acceptable, though restricted, level of accessibility is specified. An exceptional consideration for existing buildings is not to be applied in other situations or invoked in an unjustified manner, or as an excuse for not achieving a higher level of accessibility, where this is economically and/or technically feasible.

The dimensions stated in this document, relevant to the use of wheelchairs, are related to the footprint of commonly used wheelchair sizes and users as specified in ISO 7176-5 and ISO/TR 13570-2, 800 mm wide and 1 300 mm long.

This document is primarily written for adults with disabilities, but it includes some recommendations on specific accessibility needs of children.

SIST/TC ITC Informacijska tehnologija

SIST EN ISO/IEC 27007:2022

2022-04 (po) (en;fr;de) 48 str. (I)

Informacijska varnost, kibernetična varnost in varovanje zasebnosti - Smernice za presojanje sistemov upravljanja informacijske varnosti (ISO/IEC 27007:2020)

Information security, cybersecurity and privacy protection - Guidelines for information security management systems auditing (ISO/IEC 27007:2020)

Osnova: EN ISO/IEC 27007:2022

ICS: 03.120.20, 35.030, 03.100.70

ISO/IEC 27007 provides guidance on managing an information security management system (ISMS) audit programme, on conducting audits, and on the competence of ISMS auditors, in addition to the guidance contained in ISO 19011:2011.

ISO/IEC 27007 is applicable to those needing to understand or conduct internal or external audits of an ISMS or to manage an ISMS audit programme.

SIST/TC IŽNP Železniške naprave

SIST-TP CEN/TR 17792:2022

2022-04 (po) (en;fr;de) 87 str. (M)

Železniške naprave - Geometrijski parametri stika kolo-tirnica - Tehnično poročilo in temeljne informacije o standardu EN 15302

Railway Applications - Wheel-rail contact geometry parameters - Technical report and background information about EN 15302

Osnova: CEN/TR 17792:2022

ICS: 45.060.01

This Technical Report provides background information regarding the changes from EN 15302:2008+A1:2010 to the revised version dated 2021, including the reasons for decisions and additional explanation and guidance that is not appropriate in the standard.

The range of equivalent conicity results obtained with different software tools is described. The additional wheel-rail contact parameters, rolling radii coefficient and nonlinearity parameter, are explained. More information is also provided on the different calculation methods and the updated reference profiles for the assessment. The influence of simplifications used in determination of equivalent conicity is discussed.

To provide more information on the importance of considering the complete measurement and calculation process, methods for plausibility checks, eliminating outliers and assessing the uncertainty and repeatability of measurements are included as well as assessments of the smoothing process.

Guidance is given on fields of application of the wheel-rail contact parameters, on the selection of appropriate reference profiles (choice of reference rail profile and rail inclination for assessing wheel profiles and vice versa) and on handling special cases.

As some references in EN 14363 to wheel-rail contact test conditions have caused difficulties in understanding, clarifications issued by ERA are mentioned.

Interpretation of equivalent conicity results, using tools such as conicity maps, is discussed and various approximations such as 'quick conicity' assessments are also described.

Information is included on possible additional wheel-rail contact parameters, not yet ready for standardisation, but where further experience is needed.

NOTE In this document the commonly used term "wheel-rail contact geometry" is used as a synonym for the more precise term "wheelset-track contact geometry".

SIST/TC KŽP Kmetijski pridelki in živilski proizvodi

SIST EN ISO 4833-1:2013/A1:2022

2022-04 (po) (en;fr;de) 7 str. (B)

Mikrobiologija v prehranski verigi - Horizontalna metoda za ugotavljanje števila mikroorganizmov - 1. del: Štetje kolonij pri 30 °C s tehniko prelivanja - Dopolnilo A1: Razlaga področja uporabe (ISO 4833-1:2013/Amd 1:2022)

Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 1: Colony count at 30 °C by the pour plate technique - Amendment 1: Clarification of scope (ISO 4833-1:2013/Amd 1:2022)

Osnova: EN ISO 4833-1:2013/A1:2022

ICS: 07.100.30

Amandma A1:2022 je dodatek k standardu SIST EN ISO 4833-1:2013.

Ta del standarda ISO 4833 določa horizontalno metodo za ugotavljanje števila mikroorganizmov, ki lahko rastejo in tvorijo kolonije na trdem mediju po aerobni inkubaciji pri 30 °C. Ta metoda se uporablja za: a) izdelke za prehrano ljudi in živalsko krmo; b) okoljske vzorce v območju proizvodnje in oskrbe s hrano in krmo. Ta del standarda ISO 4833 se uporablja za: 1) izdelke, ki potrebujejo zanesljivo štetje, ko je določena nizka mejna zaznavna vrednost (pod 102/g ali 102/ml za tekoče vzorce ali pod 103/g za trde vzorce); 2) izdelke, za katere se pričakuje, da vsebujejo kolonije, ki se razraščajo in zakrivajo kolonije drugih organizmov, npr. mleko in mlečni izdelki bodo verjetno vsebovali *Bacillus* spp., ki se razrašča. Uporaba tega dela standarda ISO 4833 za pregledovanje nekaterih vrst fermentirane hrane in živalske krme je omejena, drugi mediji ali inkubacijski pogoji pa so morda bolj primerni. Toda ta metoda se lahko uporabi za te izdelke, čeprav se glavnih mikroorganizmov v teh izdelkih morda ne da učinkovito zaznati. Pri nekaterih matricah lahko metoda, opisana v temu delu standarda ISO 4833, da drugačne rezultate od rezultatov, pridobljenih z metodo, opisano v standardu ISO 4833-2.

SIST EN ISO 4833-2:2013/A1:2022

2022-04 (po) (en;fr;de) 8 str. (B)

Mikrobiologija v prehranski verigi - Horizontalna metoda za ugotavljanje števila mikroorganizmov - 2. del: Štetje kolonij pri 30 °C s tehniko nasajanja na površino - Dopolnilo A1: Razlaga področja uporabe (ISO 4833-2:2013/Amd 1:2022)

Microbiology of the food chain - Horizontal method for the enumeration of microorganisms - Part 2: Colony count at 30 °C by the surface plating technique - Amendment 1: Clarification of scope (ISO 4833-2:2013/Amd 1:2022)

Osnova: EN ISO 4833-2:2013/A1:2022

ICS: 07.100.30

Amandma A1:2022 je dodatek k standardu SIST EN ISO 4833-2:2013.

Ta del standarda ISO 4833 določa horizontalno metodo za ugotavljanje števila mikroorganizmov, ki lahko rastejo in tvorijo kolonije na trdem mediju po aerobni inkubaciji pri 30 °C. Ta metoda se uporablja za: a) izdelke za prehrano ljudi in živalsko krmo; b) okoljske vzorce v območju proizvodnje in oskrbe s hrano in krmo. Ta del standarda ISO 4833 se uporablja za: 1) izdelke, ki so občutljivi na toploto in za katere se predvideva, da bodo tvorili znaten delež celotne flore (npr. psihotrofni organizmi v ohlajeni in zmrznjeni hrani, suhi hrani, hrani, ki morda vsebuje organizme, občutljive na toploto); 2) izdelke, ki obvezno vsebujejo aerobne bakterije, za katere se predvideva, da bodo tvorile znaten delež celotne flore (npr. *Pseudomonas* spp.); 3) izdelke, ki vsebujejo majhne delce, ki jih je na petrijevki težko razlikovati od kolonij; 4) izdelke, katerih intenzivna barva preprečuje razpoznavanje kolonij na petrijevki; 5) izdelke, za katere je za oceno kakovosti hrane zahtevano razlikovanje med različnimi vrstami kolonij. Poleg ročne tehnike z uporabo petrijevke ta del standarda ISO 4833 navaja uporabo spiralne petrijevke, ki predstavlja hitro metodo za štetje kolonij na površini (Dodatek A). Uporaba tega dela standarda ISO 4833 za preiskovanje določenih vrst fermentirane hrane in živalske krme je omejena in je za to mogoče bolj primeren drug medij ali inkubacijski pogoji. Toda ta metoda se lahko uporabi za te izdelke, čeprav se glavnih mikroorganizmov v teh izdelkih morda ne da učinkovito zaznati. Pri nekaterih matricah lahko metoda, opisana v temu delu standarda ISO 4833, da drugačne rezultate rezultatov, pridobljenih z metodo, opisano v standardu ISO 4833-1.

SIST/TC MOC Mobilne komunikacije

SIST EN 300 338-8 V1.1.1:2022

2022-04 (po) (en) 94 str. (M)

Tehnične karakteristike in merilne metode za naprave, ki generirajo, oddajajo in sprejemajo digitalni selektivni klic (DSC) v pomorski mobilni storitvi, ki deluje v območju MF, MF/HF oziroma VHF - 8. del: Omogočanje delovanja radijske opreme DSC z možnostmi daljinskega upravljanja

Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service - Part 8: Enabling DSC radio equipment with remote control capabilities

Osnova: ETSI EN 300 338-8 V1.1.1 (2022-02)

ICS: 47.020.70, 33.060.20

The present document states minimum requirements for GMDSS radiocommunication equipment using Digital Selective Calling (DSC) Class A [2], with the capability to fully operate handling of the automated procedures defined in part 2 of this multi-part deliverable, see ETSI EN 300 338-2 [2] from a remote position such as a central HMI.

In addition other proprietary control interfaces may apply to support full remote control of other DSC EQUIPMENT functions.

Such proprietary control interfaces (whether based on proprietary IEC 61162-1 [3] sentences or other protocols) are not part of the present document, and may co-exist with the requirements in the present document.

SIST EN 301 908-13 V13.2.1:2022

2022-04 (po) (en) 148 str. (P)

Celična omrežja IMT - Harmonizirani standard za dostop do radijskega spektra - 13. del: Uporabniška oprema za razviti prizemni radijski dostop za UMTS (E-UTRA)

IMT cellular networks - Harmonised Standard for access to radio spectrum - Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

Osnova: ETSI EN 301 908-13 V13.2.1 (2022-02)

ICS: 33.070.99, 33.060.99

The present document applies to the following radio equipment type:

- User Equipment for Evolved Universal Terrestrial Radio Access (E-UTRA).

E-UTRA NB-IoT is designed to operate in the E-UTRA operating bands 1, 3, 8, 20, 28 and 65 defined in table 1-1. The present document covers requirements for E-UTRA FDD and E-UTRA TDD User Equipment from 3GPP™ Releases 8, 9, 10, 11, 12, and 13 defined in ETSI TS 136 101 [3]. This includes the requirements for E-UTRA UE operating bands and E-UTRA CA operating bands from 3GPP™ Release 13 defined in ETSI TS 136 101 [3].

NOTE 2: For Band 20:

☒ For user equipment designed to be mobile or nomadic, the requirements in the present document measured at the antenna port also show conformity to the corresponding requirement defined as Total Radiated Power (TRP), as described in Commission Decision 2010/267/EU [i.6], ECC Decision (09)03 [i.7].

☒ For user equipment designed to be fixed or installed, the present document does not address the requirements described in Commission Decision 2010/267/EU [i.6], ECC Decision (09)03 [i.7].

The present document contains requirements to demonstrate that radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

SIST EN 303 363-1 V1.1.1:2022

2022-04 (po) (en) 45 str. (I)

Radarski senzorji za nadzor zračnega prometa - Sekundarni nadzorni radar (SSR) - Harmonizirani standard za dostop do radijskega spektra - 1. del: Bralnik SSR

Air Traffic Control Surveillance Radar Sensors - Secondary Surveillance Radar (SSR) - Harmonised Standard for access to radio spectrum - Part 1: SSR Interrogator

Osnova: ETSI EN 303 363-1 V1.1.1 (2022-02)

ICS: 33.060.99, 03.220.50

The present document specifies technical characteristics and methods of measurements for the following equipment used in ground-based ATC Secondary Surveillance Radar systems for civil air navigation.

Secondary Surveillance Radar (SSR) with Mode S capabilities which includes mode A/C, transmitting in the 1 030 MHz band with a power not exceeding 4 kW (66 dBm), and receiving in the 1 090 MHz band, used for air traffic control and connected to a rotating antenna. The SSR Interrogator transmits interrogations to aircraft equipped with transponder, receives the corresponding replies, and operates in the frequency bands as indicated in Table 1.

SIST EN IEC 61280-4-1:2019/A1:2022

2022-04 (po) (en) **6 str. (B)**

Postopki preskušanja optičnega komunikacijskega podsistema - 4-1. del: Vgrajene žične oblike - Meritev mnogorodovnega slabljenja - Dopolnilo A1 (IEC 61280-4-1:2019/AMD1:2021)

Fibre-optic communication subsystem test procedures - Part 4-1: Installed cabling plant - Multimode attenuation measurement (IEC 61280-4-1:2019/AMD1:2021)

Osnova: EN IEC 61280-4-1:2019/A1:2022

ICS: 33.180.01

Amandma A1:2022 je dodatek k standardu SIST EN IEC 61280-4-1:2019.

Ta del standarda IEC 61280 se uporablja za meritve slabljenja vgrajenega optičnega kabelskega omrežja z večrodovnimi optičnimi vlakni. Ta kabelska inštalacija lahko vključuje večrodovna optična vlakna, konektorje, vmesnike, spojnice in druge pasivne naprave. Kable je mogoče položiti v različnih okoljih, vključno z stanovanjskimi, poslovnimi, industrijskimi prostori in prostori podatkovnih centrov, ter tudi v okoljih zunanjih inštalacij. Preskusna oprema, uporabljena v tem dokumentu, ima en vmesnik konektorjev z enojnim vlaknom ali dva vmesnika konektorjev z enojnim vlaknom.

Optična vlakna, ki so obravnavana v tem dokumentu, zajemajo podkategoriji večrodovnih optičnih vlaken A1-OM_x, pri čemer je $x = 2, 3, 4$ in 5 ($50/125 \mu\text{m}$), ter A1-OM1 ($62,5/125 \mu\text{m}$), kot je opredeljeno v standardu IEC 60793-2-10. Meritve slabljenja drugih večrodovnih kategorij je mogoče izvesti s pristopi iz tega dokumenta, vendar izvirni pogoji za druge kategorije niso opredeljeni.

SIST EN IEC 61280-4-5:2020/AC:2022

2022-04 (po) (en,fr) **4 str. (AC)**

Postopki preskušanja optičnega komunikacijskega podsistema - 4-5. del: Vgrajene žične oblike - Izvedba atenuacije merilne naprave z optičnimi kabli, ki se konča z MPO, z uporabo preskusne opreme z vmesniki MPO - Popravek AC (IEC 61280-4-5:2020/COR1:2022)

Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces (IEC 61280-4-5:2020/COR1:2022)

Osnova: EN IEC 61280-4-5:2020/AC:2022-02

ICS: 33.180.01

Popravek k standardu SIST EN IEC 61280-4-5:2020.

This part of IEC 61280 is applicable to the measurement of attenuation and determination of polarity and length of installed multimode and single-mode optical fibre cabling plant, terminated with MPO connectors, using test equipment having an MPO interface. This cabling plant can include multimode or single-mode optical fibres, connectors, adapters, splices, and other passive devices. The cabling can be installed in a variety of environments including residential, commercial, industrial, and data centre premises, as well as outside plant environments.

In this document, the optical fibres that are addressed include sub-categories A1-OM_x, where $x = 2, 3, 4$ and 5 ($50/125 \mu\text{m}$) multimode optical fibres, as specified in IEC 60793-2-10, and category B-652 and B-657 ($9/125 \mu\text{m}$) single-mode optical fibres, as specified in IEC 60793-2-50. The attenuation measurements of the other multimode and single-mode categories can also be made using a light source and power meter (LSPM) or optical time domain reflectometer (OTDR) utilising an internal or external optical switch having one MPO interface. Multimode measurements are made with an 850 nm source because transceivers

used for parallel optics applications having an MPO interface only operate at 850 nm; 1 300 nm measurements are optional. Single-mode measurements are made with a 1 310 nm and/or 1 550 nm source because transceivers used for parallel optics applications having an MPO interface operate at

these wavelengths. This document does not include descriptions of cabling that is not exclusively MPO to MPO.

SIST/TC NAD Naftni proizvodi, maziva in sorodni proizvodi

SIST EN 15984:2022

SIST EN 15984:2017

2022-04 (po) (en;fr;de) 23 str. (F)

Naftna industrija in proizvodi - Določevanje sestave rafinerijskega plina za ogrevanje in izračunavanje vsebnosti ogljika in kalorične vrednosti - Plinska kromatografska metoda

Petroleum industry and products - Determination of composition of refinery heating gas and calculation of carbon content and calorific value - Gas chromatography method

Osnova: EN 15984:2022

ICS: 71.040.50, 75.160.30

This draft European Standard defines a gas chromatographic analysis for the determination of the composition of fuel gases, as used in refinery heating gas. These results are used to calculate the carbon content and the lower calorific value.

With this gas chromatographic analysis, an overall of 23 refinery heating gas components are determined in concentrations as typically found in refineries (see Table 1 for further details).

Water is not analyzed. The results represent dry gases.

NOTE 1 Depending on the equipment used, there is a possibility to determine higher hydrocarbons as well.

NOTE 2 For the purposes of this draft European Standard, the terms "% (V/V)" is used to represent the volume fraction (φ).

IMPORTANT - This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations.

SIST/TC OGS Ogrevanje, hlajenje in prezračevanje stavb

SIST EN ISO 23553-1:2022

SIST EN ISO 23553-1:2014

2022-04 (po) (en;fr;de) 54 str. (J)

Varnostne in nadzorne naprave za oljne gorilnike in aparate na olje - Posebne zahteve - 1. del:

Avtomatski in polavtomatski ventili (ISO 23553-1:2022)

Safety and control devices for oil burners and oil-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic valves (ISO 23553-1:2022)

Osnova: EN ISO 23553-1:2022

ICS: 23.060.01, 27.060.10

This document specifies safety, constructional and performance requirements and testing of automatic and semi-automatic valves for oil.

It applies to automatic and semi-automatic valves which are:

- normally closed;
- used in combustion plants to interrupt the oil flow with or without delay on closing;
- for use with oil types (e.g. middle distillate fuel oil, crude oil, heavy fuel oil or kerosene) without gasoline;

NOTE 1 For other oil types (e.g. oil emulsions), additional test methods can be agreed between the manufacturer and the test authority.

NOTE 2 Oil types from petroleum refining processes are classified ISO-F-D in ISO 8216-99 and form part of a device having other function(s), such as oil pumps. In this case, the test methods apply to those parts or components of the device forming the automatic and semi-automatic valves, i.e. those parts which are necessary for the closing function.

- for use on burners or in appliances using oil;
- directly or indirectly operated, electrically or by mechanical or hydraulic means;
- fitted with or without closed-position indicator switches.

This document covers type testing only

SIST/TC PCV Polimerne cevi, fittingi in ventili

SIST EN ISO 3501:2022

SIST EN ISO 3501:2015

2022-04 (po) (en;fr;de) 12 str. (C)

Cevni sistemi iz polimernih materialov - Mehanski spoji med fittingi in tlačnimi cevmi - Metoda za preskus odpornosti proti izvlečenju s konstantno osno obremenitvijo (ISO 3501:2021)

Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for resistance to pull-out under constant longitudinal force (ISO 3501:2021)

Osnova: EN ISO 3501:2022

ICS: 23.040.60

This document specifies a method for checking the ability of assembled uniaxial joints between fittings and plastic pressure pipes to withstand longitudinal tensile stresses. The test applies regardless of the design and material of the fitting used for jointing plastics pipe.

This test method is not applicable to fusion-welded joints.

SIST/TC PKG Preskušanje kovinskih gradiv

SIST EN ISO 2566-1:2022

SIST EN ISO 2566-1:2000

2022-04 (po) (en;fr;de) 41 str. (I)

Jekla - Pretvarjanje vrednosti raztezkov - 1. del: Ogljikova in malolegirana jekla (ISO 2566-1:2021)

Steel - Conversion of elongation values - Part 1: Carbon and low alloy steels (ISO 2566-1:2021)

Osnova: EN ISO 2566-1:2021

ICS: 77.080.20, 77.040.10

This document specifies a method of converting room temperature percentage elongations after fracture obtained on various proportional and non-proportional gauge lengths to other gauge lengths. Formula (1), on which conversions are based, is considered to be reliable when applied to carbon, carbon manganese, molybdenum and chromium molybdenum steels within the tensile strength range 300 N/mm² to 700 N/mm² and in the hot-rolled, hot-rolled and normalized or annealed conditions, with or without tempering. These conversions are not applicable to: a) cold reduced steels; b) quenched and tempered steels; c) austenitic steels. These conversions are not applicable when the gauge length exceeds 25 S₀ or where the width to thickness ratio of the test piece exceeds 20.

SIST EN ISO 2566-2:2022

SIST EN ISO 2566-2:2000

2022-04 (po) (en;fr;de) 40 str. (H)

Jekla - Pretvarjanje vrednosti raztezkov - 2. del: Avstenitna jekla (ISO 2566-2:2021)

Steel - Conversion of elongation values - Part 2: Austenitic steels (ISO 2566-2:2021)

Osnova: EN ISO 2566-2:2021

ICS: 77.080.20, 77.040.10

This document specifies a method of converting room temperature percentage elongations after fracture obtained on various proportional and non-proportional gauge lengths to other gauge lengths. Formula (1), on which conversions are based, is considered to be reliable when applied to austenitic stainless steels within the tensile strength range 450 to 750 N/mm² and in the solution treated condition. These conversions are not applicable to: a) cold reduced steels; b) quenched and tempered steels; c) non-austenitic steels. These conversions are not applicable when the gauge length exceeds 25 S₀ or where the width to thickness ratio of the test piece exceeds 20.

SIST/TC PLN Plinske naprave za dom

SIST EN 13611:2019/AC:2022

2022-04 (po) (en;fr;de) 7 str. (AC)

Varnostne in nadzorne naprave za gorilnike in aparate na plin in/ali tekoča goriva - Splošne zahteve - Popravek AC

Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - General requirements

Osnova: EN 13611:2019/AC:2021

ICS: 27.060.20, 23.060.40

Popravek k standardu SIST EN 13611:2019.

Ta evropski standard določa splošne varnostne, projektne in konstrukcijske zahteve ter zahteve glede zmogljivosti in preskušanja naprav za varnost, nadzor ali uravnavanje (v nadaljnjem besedilu: nadzorne naprave) za gorilnike in aparate na eno ali več plinskih ali tekočih goriv. Ta evropski standard se uporablja za nadzorne naprave z deklariranim najvišjim vhodnim tlakom do vključno 500 kPa in nazivnimi velikostmi priključkov do vključno DN 250.

Ta evropski standard določa splošne zahteve za izdelke za naslednje nadzorne naprave:

- samodejni zaporni ventili;
- samodejni sistemi za nadzor gorilnikov;
- naprave za nadzor plamena;
- naprave za nadzor razmerja med plinom/zrakom;
- tlačni regulatorji;
- ročne pipe;
- mehanski termostati;
- večfunkcijske nadzorne naprave;
- naprave za zaznavanje tlaka;
- sistemi za preverjanje ventilov;
- samodejni oddušni ventili.

Ta evropski standard se uporablja za funkcije nadzora, ki jih ne zajema poseben standard za nadzor gorilnikov in aparatov na eno ali več plinskih ali tekočih goriv.

Ta evropski standard se uporablja tudi za varnostne in tlačne pripomočke z izdelkom z največjim dovoljenim tlakom PS ter prostornino V, manjšo od 600.000 kPa · dm³ (6000 bar · litrov) ali z izdelkom s PS in DN, ki znaša manj kot 300.000 kPa (3000 barov).

Ta evropski standard se uporablja za nadzorne naprave, ki se napajajo z izmeničnim ali enosmernim tokom (za nadzorne naprave, ki se napajajo s samostojnim akumulatorskim sistemom, akumulatorskimi sistemi za premične aplikacije ali s sistemi, ki so namenjeni za priključitev na omrežja z enosmernim tokom, glej dodatek I).

Ta evropski standard se uporablja za funkcije ponastavitve, ki se uporabljajo za ponastavitev po zaklepu, npr. zaradi napake pri vžigu ali izklopnih stikal za temperaturo v gorilnikih in aparatih (glej dodatek M).

Ta evropski standard določa metodologije za določanje stopnje varnostne celovitosti (SIL) in ravni zmogljivosti (PL) (glej dodatke J, K in L).

V tem evropskem standardu so podane smernice za okoljske vidike (glej prilogo N).

Ta evropski standard se ne uporablja za mehanske nadzorne naprave za uporabo s tekočimi gorivi.

Ta standard ne zajema zaščite pred okoljskimi vplivi na odprtem (tj. odpornost na ultravijolično sevanje, veter, dež, sneg, umazanijo, kondenzacijo, led in ivje (glej IEV 441-11-05:2005)), potresi in zunanji požari.

Ta evropski standard se mora uporabljati skupaj s posebnim standardom za nadzorno napravo (glej bibliografijo).

SIST EN 14459:2022

SIST EN 14459:2016

2022-04 (po) (en;fr;de) **41 str. (I)**

Varnostne in nadzorne naprave za gorilnike in aparate na plin ali tekoča goriva - Regulacijske in nadzorne funkcije v elektronskih sistemih - Metode za razvrščanje in ocenjevanje
Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Methods for classification and assessment

Osnova: EN 14459:2021

ICS: 97.100.01, 91.140.40, 27.060.01

This European Standard specifies methods for the classification and assessment of function blocks designed to operate burners and appliances burning gaseous or liquid fuels with particular regards to their fault behaviour and preventative measures.

This European Standard is applicable to new control function blocks, not covered by dedicated control standards.

SIST EN 15502-1:2022

SIST EN 15502-1:2012+A1:2015

2022-04 (po) (en;fr;de) **213 str. (S)**

Plinski kotli za ogrevanje - 1. del: Splošne zahteve in preskusi
Gas-fired heating boilers - Part 1: General requirements and tests

Osnova: EN 15502-1:2021

ICS: 27.060.30, 97.100.20, 91.140.10

This European Standard specifies the common requirements and test methods, as well as the classification, marking and energy labelling of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as "boilers".

This European Standard is to be used in conjunction with the specific Parts 2 (Part 2-1 and following ones).

This European Standard applies to boilers of types B and C.

NOTE For further background information on appliance types see CEN/TR 1749:2014 [1].

- a) that use one or more combustible gases of the three gas families at the pressures stated in EN 437;
- b) where the temperature of the water is below or above 105 °C during normal operation;
- c) where the maximum operating pressure in the water circuit does not exceed 6 bar;
- d) which can give rise to condensation under certain circumstances;
- e) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler" or an "other boiler". If no declaration is given the boiler is to be considered both a "standard boiler" and an "other boiler";

NOTE The Ecodesign Directive defines "other boilers", "low temperature boilers" and "condensing boilers". The Boiler Efficiency Directive defines "standard boilers", "low temperature boilers" and "condensing boilers". Depending on the legislation applied, a boiler can be both "a standard boiler" and an "other boiler".

- f) which are intended to be installed inside a building or in a partially protected place;

- g) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit.

This European Standard applies to boilers designed for sealed water systems or for open water systems.

NOTE This general standard and the specific standards (see Part 2) provide requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard or a specific standard, the risk associated with this alternative construction will need to be assessed.

An example of an assessment methodology, based upon risk assessment, is given in Clause 11.

This European Standard is not intended to cover appliances intended for connection to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex EE).

This European Standard is not intended to cover appliances designed and constructed to burn gas containing toxic components.

SIST EN 1949:2022

SIST EN 1949:2011+A1:2013

2022-04 (po) (en;fr;de) 50 str. (I)

Specifikacija za vgradnjo sistemov na utekočinjeni naftni plin (UNP) v bivalna vozila za prosti čas in druga bivalna vozila

Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles

Osnova: EN 1949:2021

ICS: 75.160.30, 43.100

This European Standard specifies the requirements for the installation of liquefied petroleum gas systems for habitation purposes in leisure accommodation vehicles and for accommodation purposes in other vehicles. It details safety and health requirements on the selection of materials, components and appliances, on design considerations and tightness testing of installations and on the contents of the user's handbook.

This European Standard does not cover installations supplied from other than 3rd family gases (LPG), water connections or electrical power supplies to the appliance(s). Portable appliances, incorporating their own gas supply, are not considered part of the installation and are outside the scope of this standard. It does not include the installation of LPG appliances to be used for commercial purposes or for boats. Gas supply equipment and gas appliances separate from and external to the body of the vehicle are also not considered by this standard.

SIST EN 203-1:2022

SIST EN 203-1:2014

SIST EN 203-1:2014/AC:2016

2022-04 (po) (en;fr;de) 83 str. (M)

Plinske naprave za gostinstvo - 1. del: Splošna varnostna pravila

Gas heated catering equipment - Part 1: General safety rules

Osnova: EN 203-1:2021

ICS: 97.040.20

This European Standard specifies the general requirements and the constructional and operating characteristics relating to safety and, rational use of energy, marking, withand the associated test methods for gas heated commercial catering and bakery appliances intended to be used indoor.

The specific requirements are given in Part 2.

Only appliances of types A1, A2, A3, B1 and B2, as defined in Clause 4, are considered in this European Standard.

This European Standard applies to all professional cooking and bakery appliances using gas for preparing food and drink.

Only the net calorific value (Hi) and net Wobbe number (Wi) are used.

Annex C, informative, lists the main types of equipment entering into the field of application of this European Standard.

NOTE: For appliances intended to be used in vehicles, in carriages or on board ships, additional requirements may be necessary.

SIST EN 203-2-1:2022

SIST EN 203-2-1:2015

2022-04 (po) (en;fr;de) 22 str. (F)

Plinske naprave za gostinstvo - 2-1. del: Posebne zahteve - Odpri gorilniki in vok gorilniki

Gas heated catering equipment - Part 2-1: Specific requirements - Open burners and wok burners

Osnova: EN 203-2-1:2021

ICS: 97.040.20

Shall be according to EN 203 1:2019, 4 with the following addition:

This European Standard applies to open burners, non-enclosed covered burners and wok burners.

SIST EN 203-2-2:2022

SIST EN 203-2-2:2006

2022-04 (po) (en;fr;de) 15 str. (D)

Plinske naprave za gostinstvo - 2-2. del: Posebne zahteve - Pečice
Gas heated catering equipment - Part 2-2: Specific requirements - Ovens

Osnova: EN 203-2-2:2021

ICS: 97.040.20

Shall be according to EN 203 1:2019, with the following addition:

This European Standard applies to commercial gas heated natural convection ovens, forced air ovens, multi-function ovens and steaming ovens, atmospheric or pressurised.

Commercial bakery ovens, with a sole plate or a trolley and pizza ovens are also covered by this standard.

This European Standard does not cover appliances which are specifically designed for use in industrial process on industrial premises.

SIST EN 203-2-4:2022

SIST EN 203-2-4:2005

2022-04 (po) (en;fr;de) 14 str. (D)

Plinske naprave za gostinstvo - 2-4. del: Posebne zahteve - Cvrtniki
Gas heated catering equipment - Part 2-4: Specific requirements - Fryers

Osnova: EN 203-2-4:2021

ICS: 97.040.20

Shall be according to EN 203 1:2019, with the following addition:

This European Standard applies to commercial gas heated fryers.

SIST EN 30-1-1:2022

SIST EN 30-1-1:2009+A3:2013

2022-04 (po) (en;fr;de) 127 str. (O)

Plinski kuhalni aparati za gospodinjstvo - 1-1. del: Varnost - Splošno
Domestic cooking appliances burning gas - Part 1-1: Safety - General

Osnova: EN 30-1-1:2021

ICS: 97.040.20

This European Standard specifies the construction and performance characteristics as well as the requirements and methods of test for the safety and marking of freestanding and built-in domestic cooking appliances burning the combustible gases given in 4.1 according to the categories specified in 4.2, referred to in the text as "appliances". This European Standard covers the following types of domestic cooking appliances, as defined in Clause 3, and belonging to the classes defined in 4.3 (see Table 1): - independent freestanding hotplates; - independent built-in hotplates; - independent hotplates and grills; - table cookers; - freestanding ovens; - built-in ovens; - freestanding or built-in grills; - griddles; - freestanding cookers; - built-in cookers. Unless specifically excluded hereafter, this European Standard applies to these appliances or their component parts, whether or not the component parts are independent or incorporated into a single appliance, even if the other heating components of the appliance use electrical energy (e.g. combined gas-electric cookers). This European Standard includes requirements covering the electrical safety of equipment incorporated in the appliance that is associated with the use of gas. It does not include requirements covering the electrical safety of electrically-heated component parts or their associated equipment). This European Standard does not apply to: a) outdoor appliances; b) appliances connected to a combustion products evacuation duct; c) appliances having a pyrolytic gas oven; d) appliances having covered burners which are not in conformity with the constructional requirements of 5.2.8.2.2; e) appliances incorporating flame supervision devices and having an automatic ignition device for which the duration of the ignition attempt is limited by design; f) appliances equipped with a burner that is periodically ignited and extinguished under the control of an automatic on/off device; g) appliances equipped with an oven and/or with a grill having a fan: 1) either for the supply of combustion air or for the evacuation of the products of combustion; 2) or for the circulation of the products of combustion within the compartments; h) appliances supplied at pressures greater than those defined in 7.1.2; i) appliances having one or more burners that are capable of remote operation (type1 or type 2), unless the burner(s) concerned are thermostatically controlled oven burners of time-controlled ovens that are designed for a delayed start without the user being present; ! j) appliances incorporating one or more hotplate or grill

burners that enable the user to program the cooking cycle, including the start and/or the end of the cycle." This European Standard does not cover the requirements relating to third family gas cylinders, their regulators and their connection. This European Standard only covers type testing. (...)

SIST EN 613:2022

SIST EN 613:2002
SIST EN 613:2002/A1:2004

2022-04 (po) (en;fr;de) **82 str. (M)**

Plinski grelniki z zaprtim kuriščem tipov B11, C11, C31 in C91

Independent closed-fronted gas-fired type B11, type C11, type C31 and type C91 heaters

Osnova: EN 613:2021

ICS: 97.100.20

This document specifies the requirements and test methods for the construction, safety, marking and rational use of energy.

This standard is applicable to types B11, type C11, type C31 and type C91 appliances that burn gas and:

- are closed-fronted;
- incorporate a natural draught burner;
- are connected directly to an open flue or to a device to evacuate the products of combustion (open-flued appliances, balanced-flued appliances);
- are wall mounted, free-standing or built-in;
- have a nominal heat input not exceeding 20 kW (based on the net calorific value).

This document is not applicable to:

- open fronted appliances as specified in EN 13278;
- decorative fuel effect appliances as specified in EN 509;
- catalytic combustion appliances;
- appliances in which the supply of combustion air and/or evacuation of products of combustion is achieved by mechanical means as specified in EN 1266;
- ducted-air appliances;
- appliances installed by means of a closure plate (see 3.3.3.3).

Matters related to quality assurance systems, tests during production and to certificates of conformity of auxiliary devices are not dealt with by this standard.

SIST/TC SKA Stikalni in krmilni aparati

SIST EN IEC 62271-100:2021/AC:2022

2022-04 (po) (fr) **13 str. (AC)**

Visokonapetostne stikalne in krmilne naprave - 100. del: Izmenični odklopniki - Popravek AC (IEC 62271-100:2021/COR1:2021)

High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/COR1:2021)

Osnova: EN IEC 62271-100:2021/AC:2022-01

ICS: 29.130.10

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

This part of IEC 62271 is applicable to three-phase AC circuit-breakers designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and/or 60 Hz on systems having voltages above 1 000 V. This document includes only direct testing methods for making/breaking tests. For synthetic testing methods refer to IEC 62271-101.

NOTE In a direct testing method one source is used to supply the voltage and current during the making and breaking tests.

This part of IEC 62271 is not applicable to:

- circuit-breakers with a closing mechanism for dependent manual operation;
- circuit-breakers intended for use on motive power units of electrical traction equipment; these are covered by IEC 60077 (all parts) [1];
- generator circuit-breakers installed between generator and step-up transformer; these are covered by the IEC 62271-37-013 [2];

- self-tripping circuit-breakers with tripping devices that cannot be made inoperative during testing. Tests on automatic circuit reclosers are covered by IEC 62271-111 [3];
- tests to prove the performance under abnormal conditions that are not described in this document are subject to agreement between manufacturer and user. Such abnormal conditions are, for example, cases where the voltage is higher than the rated voltage of the circuit-breaker, conditions which can occur due to sudden loss of load on long lines or cables.

SIST/TC VAZ Varovanje zdravja

SIST EN ISO 10942:2022 SIST EN ISO 10942:2006
2022-04 (po) (en;fr;de) **13 str. (D)**
 Oftalmični instrumenti - Direktni oftalmoskopi (ISO 10942:2022)
Ophthalmic instruments - Direct ophthalmoscopes (ISO 10942:2022)
 Osnova: EN ISO 10942:2022
 ICS: 11.040.70

This document, together with ISO 15004-1 and ISO 15004-2, specifies minimum requirements and test methods for hand-held direct ophthalmoscopes designed for directly observing the eye fundus. This document takes precedence over ISO 15004-1 and ISO 15004-2, if differences exist.

SIST EN ISO 15798:2022 SIST EN ISO 15798:2013
SIST EN ISO 15798:2013/A1:2017
2022-04 (po) (en;fr;de) **27 str. (G)**
 Očesni vsadki (implantati) - Očesni kirurški pripomočki (ISO 15798:2022)
Ophthalmic implants - Ophthalmic viscosurgical devices (ISO 15798:2022)
 Osnova: EN ISO 15798:2022
 ICS: 11.040.70

This document is applicable to ophthalmic viscosurgical devices (OVDs), a class of surgical invasive medical devices with viscous and/or viscoelastic properties, intended for use during surgery in the anterior segment of the human eye. OVDs are designed to create and maintain space, to protect intraocular tissues and to manipulate tissues during surgery. This document specifies requirements with regard to safety for the intended performance, design attributes, preclinical and clinical evaluation, sterilization, product packaging, product labelling and information supplied by the manufacturer of these devices

SIST EN ISO 26825:2022
2022-04 (po) (en;fr;de) **16 str. (D)**
 Anestezijska in dihalna oprema - Nalepke za injekcijske brizge z zdravili, ki se uporabljajo pri anesteziji - Barve, oblika in lastnosti (ISO 26825:2020)
Anaesthetic and respiratory equipment - User-applied labels for syringes containing drugs used during anaesthesia - Colours, design and performance (ISO 26825:2020)
 Osnova: EN ISO 26825:2022
 ICS: 11.040.25, 11.040.10

This document gives requirements for labels attached to syringes so that the contents can be identified just before use during anaesthesia. It covers the colour, size, design and general properties of the label and the typographical characteristics of the wording for the drug name.
 NOTE National or regional regulations might require additional labelling, which can include bar coding. No requirements for this additional labelling are given.

SIST EN ISO 4135:2022 SIST EN ISO 4135:2002
2022-04 (po) (en) **72 str. (L)**
 Anestezijska in dihalna oprema - Slovar (ISO 4135:2022)
Anaesthetic and respiratory equipment - Vocabulary (ISO 4135:2022)
 Osnova: EN ISO 4135:2022
 ICS: 11.040.10, 01.040.11

This document establishes a vocabulary of terms used for anaesthetic and respiratory equipment and supplies, related devices and supply systems. NOTE 1 To avoid multiple definitions of the same term in different categories, this document attempts to ensure consistency by the inclusion of a 'general' category, and by use of domain specifiers and unique precoordinated domain-specific term names. NOTE 2 In addition to terms and definitions used in two of the three official ISO languages (English and French), this document gives the equivalent terms in the German language; these are published under the responsibility of the member body for Germany. However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions

SIST/TC ZEM Zemeljska dela

SIST-TS CEN/TS 17693-1:2022

2022-04 (po) (en;fr;de) **16 str. (D)**

Zemeljska dela - Preskusi obdelave zemljin - 1. del: pH test za določanje vsebnosti apna v zemljini pri stabilizaciji (točka vezave apna LFP, optimum apnene stabilizacije LMO)

Earthworks - Soil treatment tests - Part 1: pH-test for determination of the lime requirement of soils for stabilization (Lime Fixation Point LFP, Lime Modification Optimum LMO)

Osnova: CEN/TS 17693-1:2021

ICS: 13.080.99, 93.020

This document describes the reference method for the determination of the the Lime Fixation Point (LFP) in soil treatment for earthworks.

The test consists in measuring the lowest quantity of lime to be added in a soil suspension in water, that will result in a pH value of the soil-lime mix suspension of 12,4, measured at 25 +/- 1°C.

SIST-TS CEN/TS 17693-2:2022

2022-04 (po) (en;fr;de) **14 str. (D)**

Zemeljska dela - Preskusi obdelave zemljin - 2. del: Preskus vrednotenja zmožnosti suhega materiala za emitiranje prahu

Earthworks - Soil treatment tests - Part 2: Test of evaluation of the aptitude of a dry material to emit dust

Osnova: CEN/TS 17693-2:2021

ICS: 13.080.99, 93.020

This document describes the reference method for the determination of the Index of dust emission (IDE) in soil treatment for earthworks.

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

SIST EN IEC 60519-4:2022

SIST EN 60519-4:2014

2022-04 (po) (en) **57 str. (J)**

Varnost pri električnih grelnih inštalacijah in elektromagnetni obdelavi - 4. del: Posebne zahteve za inštalacije obločnih peči (IEC 60519-4:2021)

Safety in installations for electroheating and electromagnetic processing - Part 4: Particular requirements for arc furnace installations (IEC 60519-4:2021)

Osnova: EN IEC 60519-4:2022

ICS: 25.180.10

This part of IEC 60519 provides particular safety requirements for arc furnace installations. This document deals with the significant hazards, hazardous situations or hazardous events relevant to industrial arc furnace installations, as listed in Annex A, for normal operation and for single fault condition as well as under conditions of reasonably foreseeable misuse. This document specifies the requirements intended to be met by the manufacturer to ensure the safety of persons and property during the complete life cycle of the equipment from design through commissioning, operation,

maintenance, inspection, to decommissioning, as well as in the event of foreseeable single fault condition that can occur in the equipment. The rated voltage of arc furnace installation can be in the range of low voltage or high voltage, details are given in 4.2. This standard is applicable to arc furnace installations such as: a) furnaces for direct arc heating, forming arcs between the electrode and metal such as the electric arc furnace using alternating current (EAF AC) or direct current (EAF DC), and the ladle furnace (LF); b) furnaces for arc-resistance heating forming arcs between the electrode and the charge material or heating the charge material by the Joule effect, such as the submerged arc-resistance furnace using alternating current (SAF AC), or direct current (SAF DC). NOTE 1 In some documents, the terms "smelter" or "electrical reduction furnace" are used. Furnace installation for unattended operation is not covered by this document. This document does not provide requirements for type testing. NOTE 2 Industrial equipment covered by this document is typically produced as a single unit or a very small number of units; such unit usually has a very high value and can cause severe harm at disintegration. This document does not address data security and hazards arising from neglect of security. With respect to noise of electrical an arc furnace, ISO 13578:2017, 6.1.23 applies. EAF DC and SAF DC are classified as zero frequency (0 Hz) equipment types. EAF AC, SAF AC and LF are classified as mains frequency (50 Hz or 60 Hz) equipment types. Furnaces being operated at frequencies outside of the above-mentioned equipment types are not covered by this document.

SIST EN IEC 60974-14:2019/AC:2022

2022-04 (po) (en,fr) 3 str. (AC)

Oprema za obločno varjenje - 14. del: Umerjanje, validacija in preskušanje skladnosti - Popravek AC (IEC 60974-14:2018/COR1:2022)

Arc welding equipment - Part 14: Calibration, validation and consistency testing (IEC 60974-14:2018/COR1:2022)

Osnova: EN IEC 60974-14:2018/AC:2022-02

ICS: 25.160.30

Popravek k standardu SIST EN IEC 60974-14:2019.

Ta del standarda IEC 60974 določa zahteve za VERIFIKACIJO opreme za obločno varjenje in zunanji nadzor. Ta dokument se uporablja tudi za praktično izvajanje postopka VERIFIKACIJE opreme za obločno varjenje.

Ta dokument je mogoče uporabiti v času namestitve in v vseh drugih časovnih presledkih ali intervalih, ki jih določi uporabnik, ki želi zagotoviti, da oprema obratuje v skladu s proizvajalčevimi specifikacijami ali drugimi uporabniško določenimi specifikacijami.

Ta dokument se ne uporablja za:

- plazemske sisteme, ki se uporabljajo za rezanje in dolbenje;
- naprave za obločne udare in stabilizacijo;
- opremo za obločno varjenje, izdelano v skladu s standardom IEC 60974-6.

OPOMBA 1: Druge komponente v varilnih sistemih, kot so npr. roboti, naprave za obračanje, plinske konzole itd., ravno tako vplivajo na rezultat varjenja in jih je mogoče po potrebi verificirati. Dodatne informacije so navedene v standardu ISO 17662.

OPOMBA 2: Redni pregledi in preskušanje opreme za obločno varjenje so zajeti v standardu IEC 60974-4.

Ta dokument velja za uporabnika, servisno delavnico ali proizvajalca. Dokument je mogoče uporabiti – samostojno;

- v povezavi z navodili proizvajalca; ali
- kot podlago za enakovreden postopek VERIFIKACIJE, ki ga je za določeno opremo pripravil proizvajalec.

SIST EN IEC 63203-406-1:2022

2022-04 (po) (en) 18 str. (E)

Nosljive elektronske naprave in tehnologije - 406-1. del: Preskusna metoda za merjenje površinske temperature zapestno nošenih elektronskih naprav pri dotiku s človeško kožo (IEC 63203-406-1:2021)

Wearable electronic devices and technologies - Part 406-1: Test method for measuring surface temperature of wrist worn wearable electronic devices while in contact with human skin (IEC 63203-406-1:2021)

Osnova: EN IEC 63203-406-1:2022

ICS: 59.080.80

This part of IEC 63203 defines the terms, definitions, symbols, configurations, and test methods to be used to specify the standard measurement conditions and methods for determining the contact-surface temperature of wrist-worn wearable electronic devices intended to be worn directly on a human wrist and that can be worn continuously during use. The conditions of the test do not consider perfusion and results are therefore considered conservatively. The temperature increase is induced by the thermal energy of wearable electronic devices during operation. This document gives the general procedure for the test method applicable to various wrist-worn wearable electronic devices for use by ordinary persons which in the context of this document is a healthy human adult.

SIST EN IEC 61587-1:2022

SIST EN 61587-1:2017

2022-04 (po) (en)**50 str. (I)**

Mehanske strukture za električno in elektronsko opremo - Preskušanje za seriji IEC 60917 in IEC 60297 - 1. del: Okoljevarstvene zahteve, preskusi in varnostni vidiki (IEC 61587-1:2022)

Mechanical structures for electrical and electronic equipment - Tests for IEC 60917 and IEC 60297 series - Part 1: Environmental requirements, test set-up and safety aspects (IEC 61587-1:2022)

Osnova: EN IEC 61587-1:2022

ICS: 31.240

This part of IEC 61587 specifies environmental requirements, test set-ups, as well as safety aspects for empty enclosures, i.e. cabinets, racks, subracks, chassis, chassis integrated subracks and associated plug-in units under indoor condition use and transportation. It defines classifications (product performance levels) for these products, regarding and simulating the usually arising loads during their use. For mechanical static and dynamic load tests typical examples with dummy loads are used. The purpose of this document is to establish defined levels of physical performance in order to meet certain requirements of manufacture, storage, transport and final location conditions. This document applies in general only to the above cited mechanical structures.

SIST EN IEC 62288:2022

SIST EN 62288:2014

2022-04 (po) (en)**190 str. (R)**

Oprema in sistemi za pomorsko navigacijo in radiokomunikacije - Predstavljanje podatkov o plovbi na ladijskih navigacijskih prikazovalnikih - Splošne zahteve, merilne metode in pričakovani rezultati preskušanja (IEC 62288:2021)

Maritime navigation and radiocommunication equipment and systems - Presentation of navigation-related information on shipborne navigational displays - General requirements, methods of testing and required test results (IEC 62288:2021)

Osnova: EN IEC 62288:2022

ICS: 47.020.70

This document specifies the general requirements, methods of testing, and required test results, for the presentation of navigation-related information on shipborne navigational displays in support of IMO resolutions MSC.191(79) as amended by MSC.466(101) in June 2019, and where applicable MSC.302(87).

The document also supports the guidelines included in the related IMO Circulars MSC.1/Circ.1609 on the standardization of user interface design for navigation equipment and SN.1/Circ.243 as revised in June 2019 on the presentation of navigation related symbols, terms and abbreviations.

This document also specifies the presentation of AIS data reports and the AIS Application Specific Messages defined for international use in IMO SN.1/Circ.289 and intended to be received by a ship for display onboard.

NOTE All text in this document whose wording is identical to text contained in an IMO document is printed in italics. Reference to the document is noted at the beginning of the paragraph. The notation contains a prefix referring to the document and a suffix with the paragraph number from the document (for example, (MSC191/1); (SN243/1), etc.).

SIST-TP CEN/TR 17748-2:2022

2022-04 (po) (en;fr;de) **60 str. (J)**

Osnovni nabor znanj za poklic IKT (ICT BoK) - 2. del: Uporabniški priročnik in metodologija

Foundational Body of Knowledge for the ICT Profession (ICT BoK) - Part 2: User Guide and Methodology

Osnova: CEN/TR 17748-2:2022

ICS: 35.020, 03.100.30

This document supports understanding, adoption and use of prEN 17748-1 (ICT BoK) that provides a reference of 42 knowledge units as required and applied in the Information and Communication Technology (ICT) professional work environment that can be understood across Europe.

This document supports Information and Communication Technology (ICT) stakeholders dealing with ICT Professional knowledge, skills and competences from multiple perspectives, in particular:

- educational institutions, learning programmes and certification providers of all types including:

- Vocational and Educational Training (VET);
- Higher education (HE);
- Continuous Professional Development (CPD);
- ICT service, user and supply organizations;
- ICT professionals, managers and human resource (HR) departments;
- social partners (trade unions and employer associations), professional associations, accreditation, validation and assessment bodies;
- market analysts and policy makers;
- and other organizations and stakeholders in public and private sectors across Europe

to adopt, apply and use the Foundational Body of Knowledge in their environment as one fundamental building block of ICT Professionalism for Europe.

See Figure 1 for illustration of document scope and target groups.

A close connection with EN 16234-1 (e-CF) and CWA 16458 (ICT Profiles) are a design element of prEN 17748-1 (ICT BoK). This application support document details how to approach the complementary application of each structure by varied stakeholders of the European ICT Professionalism eco-system. It supports the use of a shared neutral reference for ICT professional development. This interconnected application is illustrated in Figure 2. Nevertheless, the ICT BoK can also be used as a stand-alone tool.

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This document provides

- An ICT BoK EXECUTIVE OVERVIEW of the scope, target groups, underlying principles and main characteristics is provided in Clause 4.
- The ICT BoK USER GUIDE in Clause 5: guidance on how to apply the Foundational Body of Knowledge for the ICT Profession from multiple ICT stakeholder perspectives. It addresses the need to further enhance the flexibility and applicability of the competences described within the e-CF as it offers further delineation and articulation of the knowledge components of competences. prEN 17748-1 (ICT BoK) is intended for guidance and is designed to provide a common shared reference tool which can be implemented, adapted and used in accordance with ICT stakeholder requirements. The following implementation guidance is structured by target groups and complemented by two ICT BoK application cases. During the course of the prEN 17748-1 (ICT BoK) development, real world experience was a necessary contribution to ensuring future application of the structure. Dissemination of the ICT BoK development progress enabled testing of the structure as it developed. One outcome of this open approach was that some examples of practical application, despite that at the time, not published, could be tested and made available as two application cases.
- The ICT BoK METHODOLOGY DOCUMENTATION in Clause 6: here the ICT BoK creation process is explained as well as important aspects of its development. This section supports the methodology grounding for the development, implementation and future maintenance of the ICT BoK.
- A series of ANNEXES, allowing user-targeted ICT BoK navigation according to particular viewpoints.

SS SPL Strokovni svet SIST za splošno področje

SIST ISO 12179:2022

2022-04 (po) (en;fr;de) **26 str. (F)**

Specifikacija geometrijskih veličin izdelka - Tekstura površine: Profilna metoda - Umerjanje kontaktnih (s tipalom) instrumentov

Geometrical product specifications (GPS) - Surface texture: Profile method - Calibration of contact (stylus) instruments

Osnova: ISO 12179:2021

ICS: 17.040.40, 17.040.30

This document specifies the calibration and adjustment of the metrological characteristics of contact (stylus) instruments for the measurement of surface texture by the profile method as defined in ISO 3274. The calibration and adjustment is intended to be carried out with the aid of measurement standards.

Annex B specifies the calibration and adjustment of metrological characteristics of simplified operator contact (stylus) instruments which do not conform with ISO 3274.

SIST CWA 17852:2022

2022-04 (po) (en;fr;de) **752 str. (2F)**

Razširitve za finančne storitve (XFS) - Specifikacija XFS4IoT - Predlagana za izdajo 2021-1

Extensions for Financial Services (XFS) - XFS4IoT Specification - Release 2021-1 Release Candidate

Osnova: CWA 17852:2022

ICS: 35.240.40

XFS4IoT has been identified as a successor to XFS 3.x to meet the following requirements:

1. Replace the XFS and J/XFS standards in the marketplace.
2. Target industries – Retail Banking.
3. Operating System Agnostic and Technology and Language Adaptable.
4. Multi-Vendor – Able to run common core high level functionality on multiple vendors hardware, while providing access to finer level device API granularity.
5. Flexibility – enabling new hardware topologies, device types and functionality to be rapidly adapted.
6. Support end to end application level security.
7. Should not prevent the use of a low resource computing environment.
8. Provide a good developer experience by providing a well-documented API that is easy to learn, is quick to market and reduces risk by exposing an unambiguous interface.
9. Leverage existing standards.

Within the overall requirements specified in the Charter, the opportunity has been taken to solve some of the issues with the 3.x interface while retaining all the same functionality:

1. Binary data structures makes adding new functionality difficult due to compatibility issues, leading to multiple redundant versions of the same command appearing in many of the existing device classes. To resolve this, a flexible text based approach has been adopted including the wide use of default parameters.
2. Compound devices have been difficult for applications to implement, particularly cash recycling. Addition of other shared functionality such as end to end security would make the use of compound devices more prevalent. Compound devices are removed in XFS4IoT, a single Service can support as many interfaces as required to support its requirements.

Migration from and to 3.x is a major consideration to support adoption of XFS4IoT. While a lot of duplication has been removed (for example the Card Reader interface has fewer commands and events defined than the equivalent 3.x IDC specification), all the same IDC commands and events can be implemented. In some cases, this is achieved by having shared common commands such as Common.Status which replaces all the 3.x WFS_INF_XXX_STATUS commands.

SIST EN 2713-012:2022

SIST EN 2713-012:2017

2022-04 (po) (en;fr;de) 10 str. (C)

Aeronavtika - Eno- ali večžilni električni kabli za splošno uporabo - Delovne temperature med -55 °C in 200 °C - 012. del: MNA (1 jedro), MNB (združitev), MNC (3 jedra), MND (4 jedra), družina kablov - Posrebren baker, oklopljen (spirala) in oplaščen, z možnostjo UV-laserskega tiskanja - Standard za proizvod

Aerospace series - Cables, electrical, single and multicore for general purpose - Operating temperatures between -55 °C and 200 °C - Part 012: MNA (1 core), MNB (pair), MNC (3 cores), MND (4 cores), cables family - Silver-plated copper screened (spiral) and jacketed, UV laser printable - Product standard

Osnova: EN 2713-012:2022

ICS: 29.060.20, 49.060

This document specifies the characteristics of UV laser printable, single and multicore silver-plated copper screened (spiral) and jacketed electrical cables for use in the on-board electrical systems of aircraft, at operating temperatures between -55 °C and 200 °C.

It is also possible to mark these cables by qualified compatible marking. These markings are in accordance with EN 3838.

SIST EN 3475-705:2022

SIST EN 3475-705:2006

2022-04 (po) (en;fr;de) 12 str. (C)

Aeronavtika - Električni kabli za uporabo v zračnih plovilih - Preskusne metode - 705. del: Meritev kontrasta

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 705: Contrast measurement

Osnova: EN 3475-705:2022

ICS: 29.060.20, 49.060

This document specifies the process to be applied for measuring the contrast of wire and cable identification markings against the background of the unmarked wire insulation. It has been developed primarily to define a reproducible process of contrast value determination for use both to determine the intrinsic laser markability of wires at the time of manufacture or later, and to enable electrical wiring systems manufacturers to ensure that the whole process of wire marking is carried out to the required standard.

SIST EN 3830:2022

2022-04 (po) (en;fr;de) 22 str. (F)

Aeronavtika - Električni sistem - Analiza obremenitve

Aerospace series - Electrical system - Load analysis

Osnova: EN 3830:2022

ICS: 49.060

This document defines the method to establish an electrical load analysis which is used to compare the supply capacity of an electrical power generation system with the power demand of the connected electrical utilisation equipment.

It shall prove that the power sources are capable of supplying these loads under all electrical power system rates and aircraft operating conditions and that specified growth capacity for future requirements is ensured.

SIST EN ISO 19574:2022

2022-04 (po) (en;fr;de) 17 str. (E)

Obutev in sestavni deli obutve - Kakovostna preskusna metoda za oceno protiglivične aktivnosti (preskus rasti) (ISO 19574:2022)

Footwear and footwear components - Qualitative test method to assess antifungal activity (growth test) (ISO 19574:2022)

Osnova: EN ISO 19574:2022

ICS: 61.060

This International Standard specifies a test method (growth test) for qualitative evaluation of the antifungal activity of footwear and footwear components due to the action of micro-fungi.

This International Standard is applicable only to footwear and components that claim to have antifungal (antimycotic) or antimicrobial treatment effects.

SIST EN ISO 19901-10:2022

2022-04 (po) (en;fr;de) **90 str. (M)**

Industrija nafte in zemeljskega plina - Posebne zahteve za konstrukcije na morju - 10. del: Morske geofizikalne preiskave (ISO 19901-10:2021)

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 10: Marine geophysical investigations (ISO 19901-10:2021)

Osnova: EN ISO 19901-10:2022

ICS: 75.180.10

This document provides requirements and guidelines for marine geophysical investigations. It is applicable to operators/end users, contractors and public and regulatory authorities concerned with marine site investigations for offshore structures for petroleum and natural gas industries.

This document provides requirements, specifications, and guidance for:

- a) objectives, planning, and quality management;
- b) positioning;
- c) seafloor mapping, including instrumentation and acquisition parameters, acquisition methods, and deliverables;
- d) sub-seafloor mapping, including seismic instrumentation and acquisition parameters, and non-seismic-reflection methods;
- e) reporting;
- f) data integration, interpretation, and investigation of geohazards.

This document is applicable to investigation of the seafloor and the sub-seafloor, from shallow coastal waters to water depths of 3 000 m and more. It provides guidance for the integration of the results from marine soil investigations and marine geophysical investigations with other relevant datasets.

NOTE 1 The depth of interest for sub-seafloor mapping depends on the objectives of the investigation. For offshore construction, the depths of investigation are typically in the range 1 m below seafloor to 200 m below seafloor. Some methods for sub-seafloor mapping can also achieve much greater investigation depths, for example for assessing geohazards for hydrocarbon well drilling.

There is a fundamental difference between seafloor mapping and sub-seafloor mapping: seafloor signal resolution can be specified, while sub-seafloor signal resolution and penetration cannot. This document therefore contains requirements for the use of certain techniques for certain types of seafloor mapping and sub-seafloor mapping (similarly, requirements are given for certain aspects of data processing). If other techniques can be shown to obtain the same information, with the same or better resolution and accuracy, then those techniques may be used. Mapping of pre-drilling well-site geohazards beneath the seafloor is part of the scope of this document.

NOTE 2 This implies depths of investigation that are typically 200 m below the first pressure-containment casing string or 1 000 m below the seafloor, whichever is greatest. Mapping of pre-drilling well-site geohazards is therefore the deepest type of investigation covered by this document.

In this document, positioning information relates only to the positioning of survey platforms, sources and receivers. The processes used to determine positions of seafloor and sub-seafloor data points are not covered in this document.

Guidance only is given in this document for the use of marine shear waves, marine surface waves, electrical resistivity imaging and electromagnetic imaging.



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